

# **Purchasing World Report**







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### **Process, Physical Distribution & Logistics Consulting**

# **B<sup>2</sup>B Purchasing World Report**

### **Process, Physical Distribution & Logistics Consulting**

The **Purchasing World Report** is an extract of the main database and provides a number of limited datasets for each of the countries covered. For users needing more information, detailed data on Process, Physical Distribution & Logistics Consulting is available in several Editions and Database versions. Users can order (at a discount) any other Editions, or the Database versions, as required from the After-Sales Service or from any Dealer.

This research provides data the Buying of Materials, Products and Services used for **Process, physical distribution & logistics consulting**.

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## **B<sup>2</sup>B Purchasing World Report Specifications**

### **Process, Physical Distribution & Logistics Consulting**

Reference: BS5125\_L

This **B<sup>2</sup>B Purchasing World Report** edition has 833 pages. Updated monthly.

Years covered: Historic data for the past 7 years, and Forecast data for the next 7 years.

Cost: \$950

Delivery: 24 hours as a downloaded PDF file, or shipped as a DVD.

### Materials, Products and Services Purchased : US\$

This report covers the following Materials, Products and Services Sectors:-

Purchased Materials, Products and Services data is given in US\$ for each Country, by each Material / Product / Service listed below, by each Year: Historic data for the past 7 years, and Forecast data for the next 7 years.

#### **PROCESS - PHYSICAL DISTRIBUTION + LOGISTICS CONSULTING**

- 1. Process, physical distribution & logistics consulting
- 2. Raw & Feedstock Materials, n.e.c.
- Finished Materials, n.e.c.
- 4. All other Input Materials & Components, n.e.c.
- 5. Buildings & Fittings
- 6. Plant & Equipment
- 7. Vehicles & Equipment
- 8. Data Processing, Software & Office Equipment
- 9. Miscellaneous Capital Purchases
- 10. New Technology Purchases
- 11. Process Technology Purchases
- 12. Research & Development Purchases
- 13. Fuel Purchases
- 14. Energy Purchases
- 15. Sub-Contracted Work Purchased
- 16. After-Sales Services Purchased
- 17. Technical Process Services Purchased
- 18. Technical Product Services Purchased
- 19. Legal & Public Relations Services Purchased
- 20. Leasing of Buildings
- 21. Rental & Leasing of Equipment
- 22. Financial Services Purchased
- 23. Building Maintenance & Services Purchased
- 24. Equipment Maintenance & Services Purchased
- 25. Services Purchased
- 26. Telecommunications & Data Services
- 27. Travel, Hotel & Subsistence Purchased
- 28. Office Supplies, Mailing,
- 29. Advertising Services & Media Purchases
- 30. Advertising Materials Purchases
- 31. Point of Sales Materials Purchases
- 32. Promotional Materials & Services Purchases
- 33. Sales Materials & Promotional Print
- 34. Contracted Logistics Services
- 35. Logistics Services Purchased
- 36. Contracted Warehouse & Storage Services
- 37. Warehouse & Storage Purchases
- 38. Contracted Product Handling Services

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### NAICS / SIC coded reports and databases

This is a Buying or Procurement database which is designed to be compatible with U.S. government databases.

For NAICS / SIC coded reports and databases, the report structures are an analogue of U.S. Department of Commerce / U.S. Census databases, but in a worldwide context.

For a full explanation of the NAICS coding system see: <u>http://www.census.gov/eos/www/naics/</u>

These Materials, Products, Services & Revenue Lines codes and definitions are determined by the U.S. Government agencies.

### **Report Description**

### Process, Physical Distribution & Logistics Consulting Database

The Process, Physical Distribution & Logistics Consulting Purchasing World Report gives data on the Purchases of Raw Materials, Semi-Finished & Finished Products, plus all other business-to-business Purchases and Expenses by the 8,906 entities in the Process, physical distribution & logistics consulting sector. The data analyses each of 200 countries, by each Purchased Product or Expense Group, by Product Code, by 2 Time series: 7 years Historic data and 7 years Forecast data.

The Products and Services purchased are defined by Product Groups based on the United States Commerce Department database codes.

Each of the 42 Products & Services Purchased quantified in US\$, by each year (7 historic & 7 forecast years). Purchasing Volume and Unit data is available on request. Data from 8,906 Process, physical distribution & logistics consulting entities worldwide.

Financial data is provided for the Process, physical distribution & logistics consulting entities, including complete aggregated Financials, Balance Sheets and Financial Margins and Ratios, by country, by year.

A range of Industry Data is provided for Process, physical distribution & logistics consulting, by country, by year.

This Process, Physical Distribution & Logistics Consulting Purchasing World Report is a PDF Summary Edition. 833 pages. Updated monthly.

#### **Overview**

#### PROCESS - PHYSICAL DISTRIBUTION + LOGISTICS CONSULTING PURCHASING WORLD REPORT

The Process, Physical Distribution & Logistics Consulting Purchasing World Report gives data on the Purchases of Raw Materials, Semi-Finished & Finished Products, plus all other business-to-business Purchases and Expenses by the 8,906 entities in the Process, physical distribution & logistics consulting sector. The data analyses each of 200 countries, by each Purchased Product or Expense Group, by Product Code, by 2 Time series: 7 years Historic data and 7 years Forecast data.

Purchasing Data: the report contains aggregated data from 8,906 Companies or Organisations (worldwide) with their purchasing data for each of the 42 Product or Expenses Purchasing Groups, by each country, by each Year.

Financial Data: the report gives the aggregated Financial and Balance Sheet data, by each country, by each Year.

Industry Data: the report gives the aggregated Industry Data, by each country, by Year.

This Process, Physical Distribution & Logistics Consulting Purchasing World Report is a PDF Summary Edition. 833 pages. Updated monthly.

UPGRADE: A World Database Edition of this report is available which covers the 42 Purchasing / Expenses Products from 1997 with a forecast to 2046 This is a very large database with 2182 pages, 9699 spreadsheets, 9765 database tables, 543 illustrations. The report contains a number of Access databases which are an analogue of U.S. Government databases, and have the same database structures, datasets, field names, et al. The Database Edition is correlated with the U.S. Government NAICS / SIC code 541614.

Purchasing Volume and Unit data is available on request.

Data on the individual 8,906 Purchasing Companies or Organisations is available at any time (during 12 months) from the After-Sales Service.

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#### PROCESS - PHYSICAL DISTRIBUTION + LOGISTICS CONSULTING PURCHASING WORLD REPORT

Purchasing data for Process, Physical Distribution & Logistics Consulting, in each country, by each of 42 Product or Expenses Purchasing Groups, by each year, in US\$ terms. Data from 8,906 Process, physical distribution & logistics consulting entities worldwide.

The Process, Physical Distribution & Logistics Consulting Purchasing World Report covers:

TIME SERIES: Historic, previous 7 years, and Forecast for next 7 years.

PURCHASES PRODUCTS & SERVICES (by country, by year, in US\$):

#### **PROCESS - PHYSICAL DISTRIBUTION + LOGISTICS CONSULTING**

Process, physical distribution & logistics consulting Raw & Feedstock Materials, n.e.c. Finished Materials, n.e.c. All other Input Materials & Components, n.e.c. **Buildings & Fittings** Plant & Equipment Vehicles & Equipment Data Processing, Software & Office Equipment Miscellaneous Capital Purchases New Technology Purchases Process Technology Purchases Research & Development Purchases Fuel Purchases Energy Purchases Sub-Contracted Work Purchased After-Sales Services Purchased **Technical Process Services Purchased Technical Product Services Purchased** Legal & Public Relations Services Purchased Leasing of Buildings Rental & Leasing of Equipment **Financial Services Purchased Building Maintenance & Services Purchased** Equipment Maintenance & Services Purchased Services Purchased **Telecommunications & Data Services** Travel, Hotel & Subsistence Purchased Office Supplies, Mailing, Advertising Services & Media Purchases Advertising Materials Purchases Point of Sales Materials Purchases **Promotional Materials & Services Purchases** Sales Materials & Promotional Print **Contracted Logistics Services** Logistics Services Purchased Contracted Warehouse & Storage Services Warehouse & Storage Purchases **Contracted Product Handling Services** Product Handling Services Purchased **Contracted Process Services Product Process Service Purchases** 

FINANCIAL DATA (Process, physical distribution & logistics consulting sector, by country, by year):

Balance Sheet Data: Total Sales, Domestic Sales, Exports, Pre-tax Profit, Interest Paid, Non-trading Income, Operating Profit, Depreciation: Structures, Depreciation: Plant and Equipment, Depreciation: Miscellaneous Items, Total Depreciation, Trading Profit, Intangible Assets, Intermediate Assets, Fixed Assets: Structures, Fixed Assets: Plant and Equipment, Fixed Assets: Miscellaneous Items, Fixed Assets, Capital Expenditure on Structures, Capital Expenditure on Plant and Equipment, Capital Expenditure on Vehicles, Capital Expenditure on Data Processing Equipment, Capital Expenditure on Miscellaneous Items, Total Capital Expenditure, Retirements: Structures, Retirements: Plant and Equipment, Retirements: Miscellaneous Items, Total Retirements, Total Fixed Assets, Finished Product Stocks, Work in Progress as Stocks, Materials as Stocks, Total Stocks / Inventory, Debtors, Total Maintenance Costs, Services Purchased, Miscellaneous Current Assets, Total Current Assets, Total Assets, Creditors, Short Term Loans, Miscellaneous Current Liabilities, Total Current Liabilities, Net Assets / Capital Employed, Shareholders Funds, Long Term Loans, Miscellaneous Long Term Liabilities, Workers, Hours Worked, Work in 1st Quarter, Work in 2nd Quarter, Work in 3rd Quarter, Work in 4th Quarter, Total Employees, Raw Materials Cost, Finished Materials Cost, Fuel Cost, Electricity Cost, Total Input Supplies / Materials and Energy Costs, Payroll Costs, Wages, Directors' Remunerations, Employee Benefits, Employee Commissions, Total Employees Remunerations, Sub Contractors, Rental & Leasing: Structures, Rental & Leasing: Plant and Equipment, Total Rental & Leasing Costs, Maintenance: Structures, Maintenance: Plant and Equipment, Communications Costs, Miscellaneous Expenses, Sales Personnel Variable & Commission Costs, Sales Expenses and Costs, Sales Materials Costs, Total Sales Costs, Distribution Fixed Costs, Distribution Variable Costs, Warehousing Fixed Costs, Warehousing Variable Costs, Physical Handling Fixed Costs, Physical Handling Variable Costs, Physical Process Fixed Costs, Physical Process Variable Costs,

Total Distribution and Handling Costs, Mailing & Correspondence Costs, Media Advertising Costs, Advertising Materials & Print Costs, POS & Display Costs, Exhibition & Events Costs, Total Advertising Costs, Product Returns & Rejection Costs, Product Installation & Re-Installation Costs, Product Breakdown & Post Installation Costs, Product Systems & Configuration Costs, Product Service & Maintenance Costs, Customer Problem Solving & Customer Complaint Costs, Total After-Sales Costs, Total Marketing Costs, New Technology Expenditure, New Production Technology Expenditure, Total Research and Development Expenditure, Total Operational & Process Costs, Debtors within Agreed Terms, Debtors Outside Agreed Terms, Un-recoverable Debts.

Financial Margins & Ratios Data: Return on Capital, Return on Assets, Return on Shareholders' Funds, Pre-tax Profit Margins, Operating Profit Margin, Trading Profit Margin, Return on Investment, Assets Utilisation (given as a ratio of Sales to Total Assets), Sales as a ratio of Fixed Assets, Stock Turnover (Sales as a ratio of Stocks), Credit Period, Creditors' Ratio (given as Creditors divided by Sales times 365 days), Default Debtors given as a Ratio of Total Debtors, Un-Recoverable Debts given as a Ratio of Total Debts, Working Capital / Sales, Materials & Energy Costs as a % of Sales, Added Value, Investment as a Ratio of Added Value, Value of Plant & Equipment as a % of Sales, Vertical Integration (Value Added as a % of Sales), Research & Development Investment as a % of Sales, Capital Expenditure Investment as a % of Sales, Marketing Costs as a % of Sales, Current Ratio (Current Assets as a ratio of Current Liabilities), Quick Ratio, Borrowing Ratio (or Total Debt as a ratio of Net Worth), Equity Ratio (Shareholders Funds as a ratio of Total Liabilities), Income Gearing, Total Debt as a ratio of Working Capital, Debt Gearing Ratio (Long Term Loans as a ratio of Net Worth), Average Remuneration (all employees - full and part), Profit per Employee, Sales per Employee, Remunerations / Sales, Fixed Assets per Employee, Capital Employed per Employee, Total Assets per Employee. Value of Average Investment per Employee, Value Added per Employee, Materials Costs as a % of Sales, Wage Costs as a % of Sales, Payroll and Wages as a Ratio to Materials, Variable Costs as a % of Sales, Fixed Costs as a % of Sales, Fixed Costs as a Ratio of Variable Costs, Distribution Costs as a % of Sales, Warehousing Costs as a % of Sales, Physical Costs as a % of Sales, Fixed as a Ratio of Variable Distribution Costs, Fixed as a Ratio of Variable Warehousing Costs, Fixed as a Ratio of Variable Physical Costs, Fixed as a Ratio of Variable Total Distribution & Handling Costs, Product Returns & Rejections Costs as a % of Sales, Product Installation & Associated Costs as a % of Sales, Product Breakdown & Associated Costs as a % of Sales, Product Systems & Associated Costs as a % of Sales, Product Service & Associated Costs as a % of Sales, Customer Complaint & Associated Costs as a % of Sales, Stock Work in Progress & Materials as a Ratio of Finished Products, Stock Materials as a Ratio of Work in Progress, Un-recoverable Debts as a Ratio of Total Debt, Un-recoverable Debts as a Ratio of Debts Within Agreed Terms, Total Sales Costs as a % of Sales, Total Distribution & Handling Costs as a % of Sales, Total Advertising Costs as a % of Sales, Total After-Sales Costs as a % of Sales, Total Customer Compensation Costs as a % of Sales, Total Variable Marketing Costs as a % of Sales, Total Fixed Marketing Costs as a % of Sales, Total Fixed Marketing Costs as a Ratio of Total Variable Marketing Co, Variable Sales Personnel Costs as a Ratio of Marketing Costs, Variable Distribution & Handling Costs as a Ratio of Marketing Costs, Variable Advertising Costs as a Ratio of Marketing Costs, Variable After-Sales Costs as a Ratio of Marketing Costs, Sales Personnel Variable Costs as a Ratio of Sales, Sales Personnel Variable Costs as a Ratio of Debtors, Sales Personnel Variable Costs as a Ratio of Un-Recoverable Debtors, Exports as a % of Sales, \$ Hourly Pay Rate, \$ Hourly Wage Rate, Capital Employed.

INDUSTRY DATA (Process, physical distribution & logistics consulting sector, by country, by year):

OEM & Manufacturers Market Level, Wholesale & Distributor Market Level, Retailer & Added Value Retailer Market Level, End User & Consumer Market Level, Discounted & Promotional Market Level, Plant & Equipment Average Annual Investment, Product Prices / Market Average Index, New Products Introduction Index, Relative output of Products of a Superior Quality Index, Index of Comparative Salesforce and Selling Expenditure, Index of Comparative Advertising Expenditure, Index of Comparative General Promotional Expenditure, Product Adoption Rates, Product Sales Conversion Rates, Average Annual Sales Growth Rate, Capacity Utilization as a measure of Standard Capacity, Standardized Products & Services Index, Relative Employee Compensation Index, Instable Market Share as an Index of Total Market Share, Relative Forward Integration Index, Plant and Equipment Investment greater than Depreciation, Plant and Equipment Investment Equal to Depreciation, Plant and Equipment Investment Less than Depreciation, Plant and Equipment Investment - Unallocated, Plant and Equipment in Use within the range 0-3 years, Plant and Equipment in Use 3-6 years, Plant and Equipment in Use 6-9 years, Plant and Equipment in Use over years 9 old / Unallocated, Supplier Concentration = 8 Largest, Supplier Concentration = 20 Largest, Supplier Concentration = 50 Largest, Supplier Concentration = Unspecified / Unallocated, Immediate Wholesale & Retail Customers, Immediate OEM and Manufacturing Customers, Immediate Consumer and End User Customers, Immediate Non-Specific Customers / Unallocated, Enterprises within the Range 1-19 Employees, Enterprises 20-99 Employees, Enterprises 100+ Employees, Enterprises within Unspecified / Unallocated Employee Ranges, Buyer Age Profile in the range 0-19 Years, Buyer Age Profile 20-24 Years, Buyer Age Profile 25-34 Years, Buyer Age Profile 35-44 Years, Buyer Age Profile 45-54 Years, Buyer Age Profile 55-64 Years, Buyer Age Profile 65+ / Unallocated Years, Buyer Profile in the AB Social Group, Buyer Profile C1 Social Group, Buyer Profile C2 Social Group, Buyer Profile DE / Unallocated Social Group, End User Age Profile in the range 0-19 Years, End User Age Profile 20-24 Years, End User Age Profile 25-34 Years, End User Age Profile 35-44 Years, End User Age Profile 45-54 Years, End User Age Profile 55-64 Years, End User Age Profile 65+ / Unallocated Years, End User Profile in the AB Social Group, End User Profile in the C1 Social Group, End User Profile in the C2 Social Group, End User Profile in the DE / Unallocated Social Group.

#### COUNTRIES COVERED:

Countries covered include: Albania, Algeria, Angola, Argentina, Armenia, Aruba, Australia, Australia, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Bolivia, Bosnia and Herzegovina, Botswana, Brazil, Bulgaria, Cambodia, Cameroon, Canada, Chile, China, Colombia, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Denmark, Dominica, Dominican Republic, Ecuador, Egypt, Eire, El Salvador, Eritrea, Estonia, Ethiopia, Finland, France, French Guiana, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Guadeloupe, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, Kyrgyzstan, Laos,

Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Luxembourg, Macedonia, Madagascar, Malawi, Malaysia, Malta, Martinique, Mexico, Moldova, Montenegro, Morocco, Mozambique, Namibia, Netherlands, Netherlands Antilles, New Zealand, Nicaragua, Nigeria, Norway, Oman, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Qatar, Reunion, Romania, Russia, Saudi Arabia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sudan (2), Suriname, Swaziland, Sweden, Switzerland, Syria, Taiwan, Tajikistan, Tanzania, Thailand, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, Vietnam, Zambia, Zimbabwe. [\* Data Caveat: Some smaller countries may not be included for statistical reasons.]

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### **Countries Covered**

Algeria Argentina Australia Austria Azerbaijan Bahrain Bangladesh **Belarus** Belgium Bolivia Bosnia & Herzegovina Botswana Brazil Bulgaria Cambodia Canada Chile Colombia Costa Rica Croatia Cuba Cyprus Czech Republic Denmark Ecuador Egypt El Salvador Estonia Finland France French Guiana Georgia Germany Ghana

Greece Guyana Honduras Hong Kong Hungary Iceland India Indonesia Iran Ireland Israel Italy Jamaica Japan Kazakhstan Kenya **Kuwait** Kyrgyzstan Laos Latvia Lebanon Lithuania Luxembourg Malawi Malaysia Mexico Morocco New Zealand Nicaragua Nigeria Norway Pakistan Panama Paraguay

Peru Philippines Poland Portugal Romania Russia Saudi Arabia Serbia & Montenegro Singapore Slovakia Slovenia South Africa South Korea Spain Sri Lanka Suriname Sweden Switzerland Taiwan Tanzania Thailand The Netherlands Tunisia Turkey Uganda Ukraine **United Arab Emirates** United Kinadom **United States** Uruguay Uzbekistan Venezuela Vietnam Zambia

### Data Caveat

The report databases are designed to give a common definition, unit of measure and quantification of markets in over 200 countries. The reports rely on data collection at various levels of the product flow; this effectively means, the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning. What this means is that in some countries the data is not sufficiently verifiable for statistical purposes and in those cases the data may not be presented.

### **Demand Notes & Definitions**

ALL BUYING/PURCHASING DATA FIGURES ARE IN REAL TERMS : US\$

REAL TERMS are figures excluding the effects of inflation, thus the Forecasts and figures given can be readily converted into units or volume. This is done by applying the average prices for the base year and dividing the figures by this price for all years. Thus it is possible to easily ascertain both historic and forecasted product volume.

A "most recent published accounts" base is used because most company accounts are historic and thus clients will be able to compare the figures given in this report with their own company figures without the need for conversion or the need for inflators or multiplying factors.

AVERAGE SALES PRICES ARE NOT APPROPRIATE OR APPLICABLE TO THIS DATABASE

The effect of using Real Terms figures is that the forecasted figures will be depressed, as they do not include inflation, and figures from former years (i.e. before the Base Year) will be increased.

The Current or Base Year is at the convergent point as is the Current cost. This Current Cost usually increases because of the effects of inflation. The Real Terms figures do not include the effects of inflation and thus only increases or decreases if the actual product volume or units increase or decrease. In this way it is possible to evaluate the market and other figures more realistically.

The figures and the Trend figures represent an overall median probability trend line that is plotted to give the most probable course amongst the annual forecast scatter. Thus, the figures do not reflect year-on-year depressions and peaks in absolute terms, but instead represents a year-on-year modified trend line. The various SCENARIOS provided in the database reflect the differential forecasts specific to the factors being forecast.

The U.S. government uses the term Constant dollars (or "real" dollars) and this is defined thus: Output values converted to a base price level, calculated by dividing current (or actual) dollars by a deflator. Use of constant dollars eliminates the effects of price changes between the year of measurement and the base year and allows calculation of real changes in output.

### **HISTORIC & FORECAST DATA TRANSITION PERIODS**

The HISTORIC DATA covers the last 7 years to the current year, and the MEDIAN FORECAST DATA series covers the next 7 years. There is always a transition period; which is in fact during the last two quarters, i.e. whilst the historic data is being collated. In addition the data given for the next two quarters is considered an estimate rather than a forecast. Thus the 12 month period around the database output date is an estimate.

### THE BUYING ENVIRONMENT

There are four basic issues to investigate when considering the Demand environment:

| 1. Demand Growth         | 3. Buyers Serviced             |
|--------------------------|--------------------------------|
| 2. Procurement Structure | 4. Customer & End User Factors |

1. DEMAND GROWTH is analysed in the database Historically from 1997, with a Forecast for the next 28 years. In addition there are 96 forecasting scenarios considered to represent and explore the economic and business variables.

2. THE PROCUREMENT STRUCTURE is very critical for profitability. The nature of the Buyers, the location of the Customer Base, the Composition of the customer base and the supplier structure is fully provided in several other sections of this study and therefore no further discussion is necessary.

3. BUYERS SERVICED is the term used to denote the function between the products and services offered by Sellers and the particular demand sector the marketing effort reaches. In addition, there is the DEMAND AVAILABILITY to consider as this represents the 'real sales' available to any particular supplier.

### TOTAL AVAILABLE DEMAND



Thus the Buyers Serviced is the demand for which suppliers are offering a suitable product or service and Available Demand the demand reached by a supplier's marketing effort. The areas marked as the overlap for Buyers Serviced, i.e. the demand for which suppliers are offering suitable products or services and which may theoretically be reached by a supplier's marketing activities, but of which part is controlled by either other Purchasers or Suppliers. The Demand Availability is the total demand perceived by the total Purchaser universe; however the Available Demand is the demand which is actually available to individual Suppliers.

The Buyers Serviced is the true demand in terms of product/s and services, however parts of this market may be difficult or impossible to attain due to the control exerted by either the controlling Purchasers or Suppliers.

### **HISTORIC DATA & TIME SERIES**

#### Last 7 Years to Current Year

This standard HISTORIC format is the most popular time series demanded by readers. Many readers feel that it is more important to know what is likely to happen in the recent past rather that what has transpired in the long-term past. The HISTORIC DATA in the database covers the years from 1997 to the Current Year.

### FORECAST DATA & TIME SERIES : MEDIAN FORECAST

#### From the Current Year to the next 7 Years

The MEDIAN FORECAST DATA covers the next 7 years. This standard FORECAST format is the most popular format demanded by readers.

We can of course provide readers with other data on long-range forecast data and this is done as part of the After-Sales Service.

1. ALL FIGURES IN THIS SECTION ARE IN REAL TERMS: Current Year BASE

REAL TERMS are prices excluding the effects of inflation, thus the Demand figure given can be readily converted into units or volume. This is done by applying the average sales prices for the Current Year and dividing the Demand figures by this price for all years. Thus it is possible to easily ascertain previous and forecasted product volume.

A base year is used because company accounts are historic and thus readers will be able to compare the figures given in this volume with their own figures without the need for conversion or the need for inflators or multiplying factors.

The effect of using Real Terms figures is that the forecasted figures will be depressed, as they do not include inflation, and figures from former years will be increased.

2. The Demand figures and the Trend figures represent an overall median probability trend line which is plotted to give the most probable course amongst the annual Purchasing Forecast scatter. Thus the figures do not reflect year-onyear depressions and peaks in absolute terms, but instead represents a year-on-year modified trend line.

3. All analyses are based on correlations of the results of the Surveys of Suppliers, Distribution and Customers. Thus, for example, an analysis of Demand Sectors will gain data firstly from the End User Surveys and secondly confirmations and correlations will be gained from the Surveys of Suppliers / Distributors. This in the opinion of the publishers is a very accurate method and is far superior than, for example, that which is used in the compilation of the majority of published governmental statistics.

4. All figures given in this volume refer only to the product/s covered and not to any other product or systems which may be connected or associated with the products covered.

5. The TREND figures given in the Industry section of this volume refers to the average year-on-year change in the period specified.

6. The YEAR-ON-YEAR TREND figures given in this volume refer to the average year-on-year change in the period specified

The AVERAGE GROWTH TRENDS figures refer to the long term trends over the period.

Thus the actual Trend is given by a year-on-year figure and the long-term Trends are given as a Real Terms Forecast.

### DATABASE LONG-RANGE DATA & TIME SERIES

#### From 1972 until the Next 28 Years

The database contains a LONG-RANGE HISTORIC time series which covers the years from 1972. This is the standard long range HISTORIC format. We provide readers with this time series (on request) to enable long range regressional analysis for forecasting models which require an extended time period analysis.

The database contains a LONG-RANGE FORECAST time series which covers a period for the next 28 years. This is the standard long range forecast format and is usually used for planning production plant / capital projects, macro-economic trends and demographics data.

We can of course provide readers with other data on long-range historic and forecast data and this is done as part of the After-Sales Service.

### **EXCHANGE RATES & PURCHASING POWER PARITY**

The report database and forecasting models do not use current market or bank exchange rates as these can be deceptive. The rates used are those of the base year in addition to a number of real value factors which reflect the actual or forecasted value of the product in each of the national markets over the period from 1972 with a 28 year forecast. A simple conversion of local currency into U.S. Dollars or any other national currency cannot be used to adequately represent products or services.

The report database and forecasting models are attempting to show the relative values of products or markets free from any extraneous effects of currency movements or government fiscal policy which arbitrarily alter currency exchange rates. Thus the currency calculations and data in the database are indicating relative unit values or the relative cost of the product or service in the national market.

We do not indicate the Currency Conversion Rate that you can use with any calculations and readers will have to apply their own discretion in this respect. Beware however, such calculations involving currency conversions can be artificial and spurious and do not reflect real values of either products or markets.

There is a problem in relating Product or Demand Values or Costs in Real Terms, the National Currency Value in Real Terms (i.e. excluding the effects of Inflation) and the Value of another currency (the Converted Currency, given as \$) in relation to the National Currency, thus readers can obtain separate data based on National Currencies from the After-Sales Service.

### **DEMAND & PRODUCT PARITY**

The basis of the data provided is to allow users to produce business plans and forecasting models across national and statistically diverse boundaries. Thus it is necessary to adopt a standard product definition which can be then applied across national borders. The product definition chosen is the U.S. government's NAICS product codes (and the previous SIC product codes where relevant). The problem is to apply these product definitions across the national boundaries. The U.S. government stubbornly clings to the imperial system of measurement and this further complicates the matter.

The use of DEMAND PARITY is intended to allow trans-national business planning and forecasting (however readers can request data based on national product definitions), and in general terms Demand and Product Parity means that equivalent products are compared even where the exact technical specification, or quantification, of the product is not the same. Thus a 12 fluid ounce liquid container as defined in the (Imperial measuring system) NAICS product codes is quantitatively equivalent to 35.5ml, however for the purposes of Demand and Product Parity it will be the equivalent of a 33ml liquid container in countries with a Metric measuring system. Similarly in non-Metric markets a 16 ounces or 1 pound Imperial measure, whilst actually equivalent to 454 grams, will equate to a 450 gram product in Metric measure markets.

For many products this 'Demand Parity' will be based on the 'Purchasing Parity unit costs' -v- 'product performance', rather than 'unit cost' -v- 'technical specifications'. This is because national markets impose different technical specifications on products which essentially fulfil the same customer requirement, and thus these products have a Product Parity which can be used for uniform, cross border, business planning and forecasting.

### **Financial Notes & Definitions**

### **HISTORIC & FORECAST FINANCIAL DATA TRANSITION PERIODS**

The HISTORIC DATA covers the last 7 years, and the FORECAST DATA series covers the next 7 years. There is always a transition period; which is in fact during the last two quarters, i.e. whilst the historic data is being collated. In addition the data given for the next two quarters is considered an estimate rather than a forecast. Thus the 12 month period around the database output date is an estimate.

For the various Financial Scenarios it must be assumed that the Scenario factor or strategy being considered will not exert an impact on the forecast immediately and will not become evident for some time after its inception. Whilst the forecasting models used operates on a monthly time scale and does also take account of other temporal factors (for example seasonality of demand, industry accounting periods, stock taking scheduling, et al) it would be too pedantic to express the transition year in greater detail. Therefore in the forecast data a straight line plot is produced between the BASE year, through the transition period to the first full forecast year.

The data in this section derives data from 8,906 worldwide companies and organisations (Suppliers and Distribution Channel members).

ALL FINANCIAL DATA FIGURES ARE IN REAL TERMS

### PURCHASING ENTITIES FINANCIAL BALANCE SHEETS

| Row | TITLE  | LEGEND    |
|-----|--|-----------|
|     | TOTAL REVENUES   |           |
| 1   | The TOTAL REVENUES figures given are synchronized with the Median Demand Forecast and not<br>to the individual Demand Scenario Forecasts. This ensures that one can use a standardized<br>market measure to compare the Financial data and not have the additional complication of<br>interpreting the financial data in relation to the market scenarios. | \$M       |
| 2   | DOMESTIC REVENUES  | % Revenue |
| 3   | EXPORTS  | % Revenue |
| 4   | PRE-TAX PROFIT   | % Revenue |
| 5   | INTEREST PAID  | % Revenue |
| 6   | NON-TRADING INCOME   | % Revenue |
| 7   | OPERATING PROFIT   | % Revenue |
| 8   | DEPRECIATION: STRUCTURES   | % Revenue |
| 9   | DEPRECIATION: PLANT AND EQUIPMENT  | % Revenue |
| 10  | DEPRECIATION: MISCELLANEOUS ITEMS  | % Revenue |
| 11  | TOTAL DEPRECIATION   | % Revenue |
| 12  | TRADING PROFIT   | % Revenue |
| 13  | INTANGIBLE ASSETS  | % Revenue |
| 14  | INTERMEDIATE ASSETS  | % Revenue |
| 15  | FIXED ASSETS: STRUCTURES   | % Revenue |
| 16  | FIXED ASSETS: PLANT AND EQUIPMENT  | % Revenue |
| 17  | FIXED ASSETS: MISCELLANEOUS ITEMS  | % Revenue |
| 18  | FIXED ASSETS   | % Revenue |
| 19  | CAPITAL EXPENDITURE ON STRUCTURES  | % Revenue |
| 20  | CAPITAL EXPENDITURE ON PLANT AND EQUIPMENT   | % Revenue |
| 21  | CAPITAL EXPENDITURE ON VEHICLES  | % Revenue |
| 22  | CAPITAL EXPENDITURE ON DATA PROCESSING EQUIPMENT   | % Revenue |
| 23  | CAPITAL EXPENDITURE ON MISCELLANEOUS ITEMS   | % Revenue |

| Row | TITLE   | LEGEND      |
|-----|---|-------------|
| 24  | TOTAL CAPITAL EXPENDITURE                         | % Revenue   |
| 25  | RETIREMENTS: STRUCTURES                           | % Revenue   |
| 26  | RETIREMENTS: PLANT AND EQUIPMENT                  | % Revenue   |
| 27  | RETIREMENTS: MISCELLANEOUS ITEMS                  | % Revenue   |
| 28  | TOTAL RETIREMENTS                                 | % Revenue   |
| 29  | TOTAL FIXED ASSETS                                | % Revenue   |
| 30  | FINISHED PRODUCT STOCKS                           | % Revenue   |
| 31  | WORK IN PROGRESS AS STOCKS                        | % Revenue   |
| 32  | MATERIALS AS STOCKS                               | % Revenue   |
| 33  | TOTAL STOCKS & INVENTORY                          | % Revenue   |
| 34  | DEBTORS   | % Revenue   |
| 35  | MISCELLANEOUS CURRENT ASSETS                      | % Revenue   |
| 36  | TOTAL CURRENT ASSETS                              | % Revenue   |
| 37  | TOTAL ASSETS                                      | % Revenue   |
| 38  | CREDITORS   | % Revenue   |
| 39  | SHORT TERM LOANS                                  | % Revenue   |
| 40  | MISCELLANEOUS CURRENT LIABILITIES                 | % Revenue   |
| 41  | TOTAL CURRENT LIABILITIES                         | % Revenue   |
| 42  | NET ASSETS / CAPITAL EMPLOYED                     | % Revenue   |
| 43  | SHAREHOLDERS FUNDS                                | % Revenue   |
| 44  | LONG TERM LOANS                                   | % Revenue   |
| 45  | MISCELLANEOUS LONG TERM LIABILITIES               | % Revenue   |
| 46  | WORKERS   | persons     |
| 47  | HOURS WORKED                                      | Hours       |
| 48  | WORK IN 1ST QUARTER                               | % of Annual |
| 49  | WORK IN 2ND QUARTER                               | % of Annual |
| 50  | WORK IN 3RD QUARTER                               | % of Annual |
| 51  | WORK IN 4TH QUARTER                               | % of Annual |
| 52  | TOTAL EMPLOYEES                                   | persons     |
| 53  | RAW MATERIALS COST                                | % Revenue   |
| 54  | FINISHED MATERIALS COST                           | % Revenue   |
| 55  | FUEL COST   | % Revenue   |
| 56  | ELECTRICITY COST                                  | % Revenue   |
| 57  | TOTAL INPUT SUPPLIES / MATERIALS AND ENERGY COSTS | % Revenue   |
| 58  | PAYROLL COSTS                                     | % Revenue   |
| 59  | WAGES   | % Revenue   |
| 60  | DIRECTORS' REMUNERATIONS                          | % Revenue   |
| 61  | EMPLOYEE BENEFITS                                 | % Revenue   |
| 62  | COMMISSIONS & INCENTIVES PAID                     | % Revenue   |
| 63  | TOTAL REMUNERATIONS                               | % Revenue   |
| 64  | SUB CONTRACTORS                                   | % Revenue   |
| 65  | RENTAL & LEASING: STRUCTURES                      | % Revenue   |
|     |   |             |
| 66  | RENTAL & LEASING: PLANT AND EQUIPMENT             | % Revenue   |

| 68     MAINTENANCE: STRUCTURES     % Revenue       69     MAINTENANCE: PLANT AND EQUIPMENT     % Revenue       70     TOTAL MAINTENANCE COSTS     % Revenue       71     SERVICES PURCHASED     % Revenue       72     COMMUNICATIONS COSTS     % Revenue       73     MISCELLANEOUS EXPENSES     % Revenue       74     SALES EXPENSES AND COSTS     % Revenue       75     SALES EXPENSES AND COSTS     % Revenue       76     SALES MATERIALS COSTS     % Revenue       77     TOTAL SALES COSTS     % Revenue       78     DISTRIBUTION FIXED COSTS     % Revenue       79     DISTRIBUTION VARIABLE COSTS     % Revenue       80     WAREHOUSING FIXED COSTS     % Revenue       81     WAREHOUSING VARIABLE COSTS     % Revenue       82     PHYSICAL HANDLING VARIABLE COSTS     % Revenue       83     PHYSICAL HANDLING VARIABLE COSTS     % Revenue       84     MEDIA ADVERTISING COSTS     % Revenue       85     PHYSICAL PROCESS VARIABLE COSTS     % Revenue       86     TOTAL DISTRIBUTION AND HANDLING COSTS     % Revenue       87     MAILING & CORRESPONDENCE COSTS     % Revenue       88     MEDIA ADVERTISING COSTS     % Revenue       91     POS & DISPLAY COSTS     % Revenue <th>Row</th> <th>TITLE</th> <th>LEGEND</th> | Row | TITLE  | LEGEND    |
|--|-----|--|-----------|
| 70       TOTAL MAINTENANCE COSTS       % Revenue         71       SERVICES PURCHASED       % Revenue         72       COMMUNICATIONS COSTS       % Revenue         73       MISCELLANEOUS EXPENSES       % Revenue         74       SALES PERSONNEL VARIABLE & COMMISSION COSTS       % Revenue         75       SALES EXPENSES AND COSTS       % Revenue         76       SALES MATERIALS COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION VARIABLE COSTS       % Revenue         79       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING VARIABLE COSTS       % Revenue         82       PHYSICAL HANDLING VARIABLE COSTS       % Revenue         83       PHYSICAL HANDLING VARIABLE COSTS       % Revenue         84       PHYSICAL PROCESS FIXED COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MALING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         94       PODUCT RETUR                                   | 68  | MAINTENANCE: STRUCTURES                      | % Revenue |
| SERVICES PURCHASED       % Revenue         71       SERVICES PURCHASED       % Revenue         72       COMMUNICATIONS COSTS       % Revenue         73       MISCELLANEOUS EXPENSES       % Revenue         74       SALES EXPENSES AND COSTS       % Revenue         75       SALES EXPENSES AND COSTS       % Revenue         76       SALES EXPENSES AND COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING VARIABLE COSTS       % Revenue         82       PHYSICAL HANDLING FIXED COSTS       % Revenue         83       PHYSICAL HANDLING VARIABLE COSTS       % Revenue         84       PHYSICAL PROCESS FIXED COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MAILING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         99       POS & DISPLAY COSTS       % Revenue         91       EXHIBITION & & EVENTS COSTS       % Revenue  | 69  | MAINTENANCE: PLANT AND EQUIPMENT             | % Revenue |
| 72       COMMUNICATIONS COSTS       % Revenue         73       MISCELLANEOUS EXPENSES       % Revenue         74       SALES PERSONNEL VARIABLE & COMMISSION COSTS       % Revenue         75       SALES MATERIALS COSTS       % Revenue         76       SALES MATERIALS COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION FIXED COSTS       % Revenue         79       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING VARIABLE COSTS       % Revenue         82       PHYSICAL HANDLING FIXED COSTS       % Revenue         83       PHYSICAL HANDLING VARIABLE COSTS       % Revenue         84       PHYSICAL PROCESS FIXED COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MAILING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         99       POS A DISPLAY COSTS       % Revenue         91       EXHIBITION & RE-INSTALLATION COSTS       % Revenue         92       TOTAL AD                                   | 70  | TOTAL MAINTENANCE COSTS                      | % Revenue |
| 73       MISCELLANEOUS EXPENSES       % Revenue         74       SALES PERSONNEL VARIABLE & COMMISSION COSTS       % Revenue         75       SALES EXPENSES AND COSTS       % Revenue         76       SALES MATERIALS COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION FIXED COSTS       % Revenue         79       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING VARIABLE COSTS       % Revenue         82       PHYSICAL HANDLING FIXED COSTS       % Revenue         83       PHYSICAL HANDLING VARIABLE COSTS       % Revenue         84       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MAILING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         90       POS & DISPLAY COSTS       % Revenue         91       EXHIBITION & EVENTS COSTS       % Revenue         92       TOTAL ADVERTISING COSTS       % Revenue         93       PRODUCT                                    | 71  | SERVICES PURCHASED                           | % Revenue |
| 74SALES PERSONNEL VARIABLE & COMMISSION COSTS% Revenue75SALES EXPENSES AND COSTS% Revenue76SALES MATERIALS COSTS% Revenue77TOTAL SALES COSTS% Revenue78DISTRIBUTION FIXED COSTS% Revenue80WAREHOUSING FIXED COSTS% Revenue80WAREHOUSING FIXED COSTS% Revenue81WAREHOUSING VARIABLE COSTS% Revenue82PHYSICAL HANDLING VARIABLE COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL HANDLING VARIABLE COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT RETURNS & REJECTION COSTS% Revenue95PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97POTAL APTER-SALES COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL ADVERTISING COSTS% Revenue99TOTAL ADVERTISING COSTS% Revenue99TOTAL APTER-SALES COSTS% Revenue   | 72  | COMMUNICATIONS COSTS                         | % Revenue |
| SALES EXPENSES AND COSTS       % Revenue         75       SALES MATERIALS COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION FIXED COSTS       % Revenue         79       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING FIXED COSTS       % Revenue         82       PHYSICAL HANDLING FIXED COSTS       % Revenue         83       PHYSICAL PROCESS FIXED COSTS       % Revenue         84       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MAILING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         99       POS & DISPLAY COSTS       % Revenue         91       EXHIBITION & EVENTS COSTS       % Revenue         92       TOTAL ADVERTISING COSTS       % Revenue         93       PRODUCT RETURNS & REJECTION COSTS       % Revenue         94       PRODUCT RETURNS & REJECTION COSTS       % Revenue         95       PRODUCT REVENS & COSTS                                    | 73  | MISCELLANEOUS EXPENSES                       | % Revenue |
| ALES MATERIALS COSTS       % Revenue         77       TOTAL SALES COSTS       % Revenue         78       DISTRIBUTION FIXED COSTS       % Revenue         79       DISTRIBUTION VARIABLE COSTS       % Revenue         80       WAREHOUSING FIXED COSTS       % Revenue         81       WAREHOUSING VARIABLE COSTS       % Revenue         82       PHYSICAL HANDLING FIXED COSTS       % Revenue         83       PHYSICAL PROCESS FIXED COSTS       % Revenue         84       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         85       PHYSICAL PROCESS VARIABLE COSTS       % Revenue         86       TOTAL DISTRIBUTION AND HANDLING COSTS       % Revenue         87       MALING & CORRESPONDENCE COSTS       % Revenue         88       MEDIA ADVERTISING COSTS       % Revenue         90       POS & DISPLAY COSTS       % Revenue         91       EXHIBITION & EVENTS COSTS       % Revenue         92       TOTAL ADVERTISING COSTS       % Revenue         93       PRODUCT REVICE & MAINTENACCOSTS       % Revenue         94       PRODUCT INSTALLATION COSTS       % Revenue         95       PRODUCT REAKDOWN & POST INSTALLATION COSTS       % Revenue         96       PRODUCT SERVICE & MAIN                          | 74  | SALES PERSONNEL VARIABLE & COMMISSION COSTS  | % Revenue |
| 77TOTAL SALES COSTS% Revenue78DISTRIBUTION FIXED COSTS% Revenue79DISTRIBUTION VARIABLE COSTS% Revenue80WAREHOUSING FIXED COSTS% Revenue81WAREHOUSING FIXED COSTS% Revenue82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT SERAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CUSTOMER COMPLAINT COSTS% Revenue97PTOAL AFTER-SALES COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL AFTER-SALES COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue92TOTAL AFTER-SALES COSTS% Revenue93TOTAL AFTER-SALES COSTS% Revenue<  | 75  | SALES EXPENSES AND COSTS                     | % Revenue |
| 78DISTRIBUTION FIXED COSTS% Revenue79DISTRIBUTION VARIABLE COSTS% Revenue80WAREHOUSING FIXED COSTS% Revenue81WAREHOUSING FIXED COSTS% Revenue82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS FIXED COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SYSTEMS & COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue92TOTAL AFTER-SALES COSTS% Revenue93PRODUCT SERVICE & MAINTENANCE COSTS% Revenue94PRODUCT SERVICE & MAINTENANCE COSTS% Revenue95PRODUCT SERVICE & MAINTENANCE C  | 76  | SALES MATERIALS COSTS                        | % Revenue |
| 7DISTRIBUTION VARIABLE COSTS% Revenue80WAREHOUSING FIXED COSTS% Revenue81WAREHOUSING VARIABLE COSTS% Revenue82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT DREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SERVICE & MAINTENANCE COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue91TOTAL AFTER-SALES COSTS% Revenue92TOTAL AFTER-SALES COSTS% Revenue93PRODUCT SERVICE & MAINTENANCE COSTS% Revenue94PRODUCT SERVICE & MAINTENANCE COSTS% Revenue95RODUCT SERVICE & MAINTENANCE COSTS% Revenue96PRO  | 77  | TOTAL SALES COSTS                            | % Revenue |
| NameName80WAREHOUSING FIXED COSTS% Revenue81WAREHOUSING VARIABLE COSTS% Revenue82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL AFTER-SALES COSTS% Revenue91NEW FECHNOLOGY EXPENDITURE% Revenue92NEW PRODUCTIN TECHNOLOGY EXPENDITURE% Revenue93TOTAL AFTER-SALES COSTS% Revenue94PRODUCT SERVICE & MAINTENANCE COSTS% Revenue95RODUCT SERVICE & MAINTENANCE COSTS%   | 78  | DISTRIBUTION FIXED COSTS                     | % Revenue |
| 1WAREHOUSING VARIABLE COSTS% Revenue82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT RETURNS & REJECTION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL MARKETING COSTS% Revenue910NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue92TOTAL AREETARCH AND DEVELOPMENT EXPENDITURE% Revenue93TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue94TOTAL OPERATIONAL & PROCESS COSTS% Revenue95DEBTORS WITHIN AGREED TERMS% Revenue96DEBTORS USIDE AGREED TERMS% Revenue<   | 79  | DISTRIBUTION VARIABLE COSTS                  | % Revenue |
| 82PHYSICAL HANDLING FIXED COSTS% Revenue83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SERVICE & MAINTENANCE COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL AFTER-SALES COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue <td>80</td> <td>WAREHOUSING FIXED COSTS</td> <td>% Revenue</td>                                      | 80  | WAREHOUSING FIXED COSTS                      | % Revenue |
| 83PHYSICAL HANDLING VARIABLE COSTS% Revenue84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT RETURNS & REJECTION COSTS% Revenue95PRODUCT RETURNS & REJECTION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT STYSTEMS & CONFIGURATION COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER CONTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL ARKETING COSTS% Revenue91NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue92NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue93TOTAL ARKETING COSTS% Revenue94NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue95NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue96TOTAL ARKETING COSTS% Revenue97NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL ARKETING COSTS% Revenue90TOTAL ARK  | 81  | WAREHOUSING VARIABLE COSTS                   | % Revenue |
| 84PHYSICAL PROCESS FIXED COSTS% Revenue85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL ARKETING COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS WITHIN AGREED TERMS% Revenue   | 82  | PHYSICAL HANDLING FIXED COSTS                | % Revenue |
| 85PHYSICAL PROCESS VARIABLE COSTS% Revenue86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL ARKETING COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue107DEBTORS OUTSIDE AGREED TERMS% Revenue   | 83  | PHYSICAL HANDLING VARIABLE COSTS             | % Revenue |
| 86TOTAL DISTRIBUTION AND HANDLING COSTS% Revenue87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT RETURNS & REJECTION COSTS% Revenue95PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL AFTER-SALES COSTS% Revenue91NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue101NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 84  | PHYSICAL PROCESS FIXED COSTS                 | % Revenue |
| 87MAILING & CORRESPONDENCE COSTS% Revenue88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT RETURNS & REJECTION COSTS% Revenue95PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL OPERATIONAL & PROCESS COSTS% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 85  | PHYSICAL PROCESS VARIABLE COSTS              | % Revenue |
| 88MEDIA ADVERTISING COSTS% Revenue89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 86  | TOTAL DISTRIBUTION AND HANDLING COSTS        | % Revenue |
| 89ADVERTISING MATERIALS & PRINT COSTS% Revenue90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue90TOTAL MARKETING COSTS% Revenue91NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 87  | MAILING & CORRESPONDENCE COSTS               | % Revenue |
| 90POS & DISPLAY COSTS% Revenue91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 88  | MEDIA ADVERTISING COSTS                      | % Revenue |
| 91EXHIBITION & EVENTS COSTS% Revenue92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 89  | ADVERTISING MATERIALS & PRINT COSTS          | % Revenue |
| 92TOTAL ADVERTISING COSTS% Revenue93PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 90  | POS & DISPLAY COSTS                          | % Revenue |
| PRODUCT RETURNS & REJECTION COSTS% Revenue94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 91  | EXHIBITION & EVENTS COSTS                    | % Revenue |
| 94PRODUCT INSTALLATION & RE-INSTALLATION COSTS% Revenue95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 92  | TOTAL ADVERTISING COSTS                      | % Revenue |
| 95PRODUCT BREAKDOWN & POST INSTALLATION COSTS% Revenue96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 93  | PRODUCT RETURNS & REJECTION COSTS            | % Revenue |
| 96PRODUCT SYSTEMS & CONFIGURATION COSTS% Revenue97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 94  | PRODUCT INSTALLATION & RE-INSTALLATION COSTS | % Revenue |
| 97PRODUCT SERVICE & MAINTENANCE COSTS% Revenue98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 95  | PRODUCT BREAKDOWN & POST INSTALLATION COSTS  | % Revenue |
| 98CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS% Revenue99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 96  | PRODUCT SYSTEMS & CONFIGURATION COSTS        | % Revenue |
| 99TOTAL AFTER-SALES COSTS% Revenue100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 97  | PRODUCT SERVICE & MAINTENANCE COSTS          | % Revenue |
| 100TOTAL MARKETING COSTS% Revenue101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 98  | CUSTOMER PROBLEMS & CUSTOMER COMPLAINT COSTS | % Revenue |
| 101NEW TECHNOLOGY EXPENDITURE% Revenue102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 99  | TOTAL AFTER-SALES COSTS                      | % Revenue |
| 102NEW PRODUCTION TECHNOLOGY EXPENDITURE% Revenue103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 100 | TOTAL MARKETING COSTS                        | % Revenue |
| 103TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE% Revenue104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 101 | NEW TECHNOLOGY EXPENDITURE                   | % Revenue |
| 104TOTAL OPERATIONAL & PROCESS COSTS% Revenue105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue   | 102 | NEW PRODUCTION TECHNOLOGY EXPENDITURE        | % Revenue |
| 105DEBTORS WITHIN AGREED TERMS% Revenue106DEBTORS OUTSIDE AGREED TERMS% Revenue  | 103 | TOTAL RESEARCH AND DEVELOPMENT EXPENDITURE   | % Revenue |
| 106     DEBTORS OUTSIDE AGREED TERMS     % Revenue   | 104 | TOTAL OPERATIONAL & PROCESS COSTS            | % Revenue |
|  | 105 | DEBTORS WITHIN AGREED TERMS                  | % Revenue |
| 107     UN-RECOVERABLE DEBTS     % Revenue   | 106 | DEBTORS OUTSIDE AGREED TERMS                 | % Revenue |
|  | 107 | UN-RECOVERABLE DEBTS                         | % Revenue |

### PURCHASING ENTITIES FINANCIAL DATA DEFINITIONS

| Data given on:                      | Definition:  |
|-------------------------------------|--|
| % OF CUSTOMERS = 50%<br>Revenue     | The best estimate of the percentage of immediate customers accounting for 50% of the sales of the business.  |
| % SHARE OF 4 LARGEST<br>FIRMS       | The combined market shares of the four leading firms in the industry, expressed as a percentage.   |
| ACTUAL RETURN ON<br>INVESTMENT      | The actual, pre-tax net income expressed as a percentage of investment for the business, used to adjust the future estimates of ROI.   |
| ASSET UTILIZATION                   | Sales as a ratio of total sales.   |
| AVERAGE<br>REMUNERATION             | Total employee remuneration divided by the number of employees.  |
| BORROWING RATIO                     | Total debt as a ratio of net worth.  |
| CAPACITY UTILIZATION                | The average % percentage of standard capacity utilized during the year. Standard capacity is the sales value of the maximum output the business can sustain with:<br>a) facilities normally in operation and<br>b) current constraints (e.g. technology, work rules, labour practices, etc.) |
| CAPITAL EMPLOYED                    | The sum of long term liabilities. It represents the counterpart of the net assets employed by the firm.  |
| CREDIT PERIOD                       | Debtors over sales times 365 days.   |
| CREDITORS RATIO                     | Creditors over sales times 365 days.   |
| CREDITORS                           | Trade creditors and bills payable within one year.   |
| CURRENT RATIO                       | Current assets as a ratio of current liabilities.  |
| DEBT GEARING RATIO                  | Long term loans as a ratio of net worth.   |
| DEBTORS                             | Trade debtors and trade bills receivable due within one year.  |
| DEPRECIATION                        | Includes amounts written off tangible fixed assets, including leased assets.   |
| DIRECTORS<br>REMUNERATION           | Includes all payments made to directors including pension fund contributions, ex-gratia payments and payments to directors' family.  |
| DISCOUNT CASH FLOW<br>YIELD RATE    | The internal rate of return after tax earned in this business when this strategy is executed. It is the time discount rate at which discounted cash flow plus residual is equal to initial investment.   |
| DISCOUNTED CASH<br>FLOW             | The cash generated over ten years from net income, less the cash absorbed by increases in the net investment in the business. The annual cash flows are discounted to a present value, using the time discount rate.   |
| DISCOUNTED NET<br>INCOME (10 YEARS) | From pre-tax net income in each year is deducted a capital charge on the increase in investment since the base period to reflect the cost of these funds. The time discount rate is then applied to obtain the present value of the income stream for the 10 year period.                    |
| DOMESTIC REVENUES                   | Wherever applicable, domestic Revenues represent the proportion of total turnover generated locally less exports produced by the same companies.   |
| EMPLOYEES UNIONIZED                 | The percentage of total employees of the business who are unionized.   |
| EQUITY GEARING                      | Shareholders' funds as a ratio of total liabilities.   |
| EXPORTS / REVENUES                  | Exports divided by Revenues.   |
| EXPORTS                             | This figure will be shown where it has been disclosed.   |
| FIFO VALUATION                      | The accounting method used for inventory valuation FIFO, or other method (e.g. LIFO).  |
| FIXED ASSETS /<br>EMPLOYEES         | Fixed assets divided by the number of employees.   |
| FIXED ASSETS                        | Property, plant, fixtures and fittings, office equipment and motor vehicles wholly owned and shown at their written down book value.   |
| FIXED CAPITAL<br>INTENSITY          | Gross book value of plant & equipment expressed as a percentage of Revenues. Gross book value includes original value of buildings, real estate manufacturing & transportation equipment.  |
|                                     |  |

| FIXED CAPITAL<br>INTENSITY                        | The gross book value of plant and equipment, expressed as a percentage of Revenues.   |
|---|---|
| FORECAST REAL<br>MARKET GROWTH RATE<br>(% / YEAR) | An estimate of the future annual real growth rate of the served market.   |
| FORECAST SELLING<br>GROWTH RATE % p.a.            | A forecast of the annual growth rate of the selling prices.   |
| IMMEDIATE CUSTOMER<br>FRAGMENTATION               | The proportion of the total number of immediate customers accounting for 50% of total Revenues, expressed as a percentage. For example, if 5 of a business's 100 immediate customers represent 50% Revenue, immediate customer fragmentation is 5%.   |
| INCOME GEARING                                    | Interest paid as a percentage of profit before tax and before interest paid.  |
| INDUSTRY (SIC/NAICS)<br>GROWTH, LONG RUN          | The annual long term (10 year) growth rate of the SIC/NAICS industry in which the business is located, expressed as a percentage.   |
| INDUSTRY<br>CONCENTRATION RATIO                   | The amount of industry shipments accounted for by the four largest firms in the industry expressed as a percentage.   |
| INTANGIBLE ASSETS                                 | Non-tangible assets such as good will, trademarks, patents and copyrights owned.  |
| INTEREST PAID                                     | Gross interest paid. It should be noted that many private companies either do not disclose this figure in full or aggregate short-term, long-term and hire purchase interest together.  |
| INTERMEDIATE ASSETS                               | Includes investments in subsidiary and associated companies, trade investments and other unquoted investments, insurance premiums on life policies, and Advanced Corporation Tax recoverable. In addition, amounts due from other Group companies (as necessary), associated and affiliated companies, receivable after one year and with no stated fixed repayment terms will be included. Long term portions of trade and sundry debtors will also be included, wherever they are disclosed separately in the accounts. |
| INVENTORY / REVENUES                              | The sum of raw materials, work-in-process inventory and finished goods inventory (each net of reserve for losses) as a percentage of Revenues.  |
| INVESTMENT /<br>REVENUES                          | <ul> <li>Investment as a percentage of Revenues. Investment can be measured in any of the following ways:</li> <li>a) net book value of plant and equipment plus working capital</li> <li>b) equity plus long-term debt</li> <li>c) total assets employed minus current liabilities attributable to the business.</li> </ul>  |
| INVESTMENT / VALUE<br>ADDED                       | Investment expressed as a percentage of value added. Value added is adjusted for profits to minimize that portion of the relationship with ROI which is caused by under or overstated earnings.   |
| INVESTMENT PER<br>EMPLOYEE                        | Average investment, expressed in monetary units per employee.   |
| LONG TERM LOANS                                   | Includes long term portions of bank & other institutional loans, mortgages, hire purchase repayments and leasing obligations, all of which are due after one year. Also, amounts due to group, associated & affiliated companies payable after one year are included.   |
| MARKET POSITION                                   | A factor combining:   |
|   | a) MARKET SHARE: the share of the served market for the business, expressed as a percentage.<br>b) RELATIVE MARKET SHARE: the market share of the business relative to the combined market share of the three leading competitors, expressed as a percentage. For example if ones business has 30% of the market and the three largest competitors have 20%, 10% and 10%: 30 divided by $(20+10+10) = 75\%$ .   |
| MARKET SHARE<br>GROWTH RATE                       | The annual growth rate of market share expressed as a percentage.   |
| MARKET SHARE<br>INSTABILITY                       | The instability of the market share of the business, measured as the sum of the absolute values of the business's annual market share changes.  |
| MARKET SHARE                                      | The share of the served market expressed as a percentage.   |
| MARKETING EXPENSES / REVENUES                     | The sum of salesforce, advertising, promotion and other marketing expenses expressed as a percentage of Revenues. Does not include costs of physical distribution.  |
| MISCELLANEOUS<br>CURRENT ASSETS                   | Cash and near cash items such as quoted investments and tax reserve certificates. Also sundry debtors, prepayments & accrued income due within one year, plus amounts due from group companies, associated & affiliated companies receivable within one year.   |
| MISCELLANEOUS<br>CURRENT LIABILITIES              | Sundry creditors, accrued expenses and prepaid income including dividends, corporation tax, social security and other sundry amounts payable within one year.   |

| MISCELLANEOUS LONG<br>TERM LIABILITIES           | Deferred and future taxation, minority interests, pension funds and similar liabilities, provisions for liabilities and charges due.   |
|--|--|
| NET ASSETS                                       | The net assets employed are obtained by subtracting total current liabilities from the total assets.   |
| NET WORTH  | Equals shareholders' funds less the intangible assets.   |
| NEW PRODUCT SALES /<br>REVENUES                  | Percentage of sales accounted for by new products. New products are those products introduced during the three preceding years.  |
| NEWNESS OF PLANT &<br>EQUIPMENT (NBV / GBV)      | Newness of plant and equipment, measured as the ratio of Net Book Value to Gross Book Value.   |
| NON-TRADING INCOME                               | Comprises Investment income received, such as income from quoted & unquoted investments, rents received, share of profit from associated companies; as well as Reserves adjustments, such as transfers from capital grant reserve, interest relief grants.   |
| NUMBER OF<br>EMPLOYEES + THEIR<br>REMUNERATION   | The average number of employees together with their aggregate wages and salaries.  |
| OPERATING PROFIT<br>MARGIN                       | Operating profit as a percentage of sales.   |
| OPERATING PROFIT                                 | Pre-tax profit plus interest, less non-trading income.   |
| PRE-TAX PROFIT MARGIN                            | Pre-tax profits as a percentage of sales.  |
| PRE-TAX PROFIT                                   | The net trading profit figure declared after deducting all operating expenses including depreciation & finance charges but before deduction of tax, dividends, subventions or group relief and other appropriations. Consolidated data is included where applicable in respect of the share of profits & losses of associated companies. Items described as exceptional are included. Those described as extraordinary items are excluded.   |
| PROFIT / EMPLOYEES                               | Profit before tax divided by the number of employees.  |
| PURCHASE AMOUNT<br>IMMEDIATE CUSTOMERS           | The typical amount of products or services bought by an immediate customer in a single transaction.  |
| QUICK RATIO                                      | Current assets less stocks as a ratio of current liabilities.  |
| RESEARCH &<br>DEVELOPMENT<br>EXPENSES / REVENUES | Product or Service R & D expenses plus Process R & D expenses expressed as a % Revenue.<br>Product or Service R&D expenses include all expenses for innovation & advances in the products or<br>services; including improvements in packaging, product design, features and functions. Process R &<br>D expenses include all expenses for process improvements to reduce the cost of producing,<br>processing and handling of goods. Sales are the net Revenues billed including lease revenues.                       |
| REAL MARKET GROWTH,<br>SHORT-RUN                 | The annual growth rate of the size of served market, deflated by the selling price index, expressed as a percentage.   |
| REAL MARKET GROWTH<br>RATE                       | The historical annual real (unit) growth rate of the market which the business serves, expressed as a percentage.  |
| RELATIVE<br>COMPENSATION                         | The average of hourly wage rates relative to leading competitors and salary levels relative to competitors. Competitors' wage rates and salary levels are 100%; if ones wage rates and salary levels are 5% higher, ones relative hourly wage rates are 105%, relative salaries are 105%, and ones average relative compensation is 105%.  |
| RELATIVE INTEGRATION<br>BACKWARD                 | The degree of backward vertical integration (i.e. toward suppliers) of the business relative to its leading competitors.   |
| RELATIVE INTEGRATION<br>FORWARD                  | The degree of forward vertical integration (i.e. toward customers) of the business relative to its leading competitors (less than, the same as, more than).  |
| RELATIVE MARKET<br>SHARE                         |  |
|  | The market share of the business, relative to the combined market shares of the three leading competitors, expressed as a percentage.  |
| RELATIVE PRICE                                   |  |
| RELATIVE PRICE<br>RELATIVE PRODUCT<br>QUALITY    | competitors, expressed as a percentage.<br>The average level of selling prices of the products & services relative to the average level of the leading competitors. The average price of the competitors is 100%; if the average prices of the   |
| RELATIVE PRODUCT                                 | competitors, expressed as a percentage.The average level of selling prices of the products & services relative to the average level of the<br>leading competitors. The average price of the competitors is 100%; if the average prices of the<br>business are 5% higher when its price relative to competition is 105%.The percentage of sales volume from products and service that, from the perspective of the<br>consumer, are judged as superior to those available from leading competitors minus the percentage |

| RETURN ON<br>SHAREHOLDERS FUNDS  | Pre-tax profits as a percentage of shareholders' funds.  |
|----------------------------------|--|
| ROI = NET INCOME /<br>INVESTMENT | Pre-tax net income, including special non-recurring costs, minus corporate overhead costs, as a percentage of average investment including fixed and working capital at book value, but excluding corporate investment not particular to the business. |
| SALES / EMPLOYEES                | Sales divided by the number of employees.  |
| SALES / FIXED ASSETS             | Sales as a ratio of fixed assets.  |
| SALES                            | Gross turnover recorded, including overseas sales, inter-group sales and exports, but excluding Value Added Tax or Sales Tax.  |
| SALES                            | The net sales billed, including lease revenues.  |
| SELLING PRICE GROWTH<br>RATE     | The annual growth rate of selling prices charged, expressed as a percentage.   |
| SHAREHOLDERS FUNDS               | The sum of issued, ordinary, and preference share capital, all reserves, the profit and loss balance (retained profits) and government grants.   |
| SHORT TERM LOANS                 | Includes short term portions of loans, bank overdrafts, hire purchase repayments & leasing obligations, due within one year. Plus amounts due to affiliated entities within one year.  |
| STANDARD PRODUCTS /<br>SERVICES  | The products or services of the business more or less standardized for all customers, or are they designed or produced to order for individual customers.  |
| STOCK TURNOVER                   | Sales as a ratio of stocks.  |
| STOCKS                           | Stocks and work in progress (net of progress repayments) held.   |
| TOTAL CURRENT ASSETS             | The sum of stocks, debtors and other current assets, representing the portion assets which is realizable within a year.  |
| TOTAL CURRENT<br>LIABILITIES     | The sum of trade creditors, short term debt and other current liabilities.   |
| TOTAL DEBT / WORKING<br>CAPITAL  | Total debt as a ratio of working capital.  |
| TOTAL DEBT                       | This amount is obtained by adding short term loans to the long term loans.   |
| TOTAL LIABILITIES                | The sum of capital employed and total current liabilities.   |
| TRADING PROFIT MARGIN            | Trading profit as a percentage of sales.   |
| TRADING PROFIT                   | Operating profit plus depreciation.  |
| VALUE ADDED /<br>EMPLOYEES       | Value added (adjusted for profits) expressed in monetary terms per employee.   |
| VERTICAL INTEGRATION             | Value added as a percentage of sales. Both value added & sales are adjusted for profits to minimize that portion of the relationship with ROI affected by under or overstated earnings.  |
| WAGES / REVENUES                 | Employee remuneration divided by Revenues.   |
| WORKING CAPITAL /<br>REVENUES    | Working capital over Revenues.   |
| WORKING CAPITAL                  | The short-term funding to carry out day to day trading activities, it is obtained by subtracting total current liabilities from the current assets.  |

### **Industry Norm Definitions**

The data in this section derives data from 8,906 worldwide companies and organisations (Suppliers and Distribution Channel members).

Norms for the Product industry are shown in this section. This represents the major industry sector data for the industry in each country and as such forms the basis of international comparison.

Only the most critical factors can be compared with the various scenarios given as industry averages can at best represent an indication and not a specific point of measure.

Reliance on Industry Norms is often used by analysts in order to support theories and suppositions and these are in turn used for investment scenarios. In fact Industry Norms or Averages are not tangible as they combine and manipulate data from companies in wide ranging activities and thus much of the data is open to interpretation.

Much of the benefit in the analysis of Industry Norms is to use the data to provide guide-lines or parameters which can be seen to define and identify issues for the target industry sector.

Since these Industry Norms should be representative of the entire industry it is wise to provide an average which encompasses all the major countries in the trade cell.

### **INDUSTRY NOTES + DEFINITIONS for PURCHASING ENTITIES**

- 01. OEM & Manufacturers Market Level
- 02. Wholesale & Distributor Market Level
- 03. Retailer & Added Value Retailer Market Level
- 04. End User & Consumer Market Level
- 05. Discounted & Promotional Market Level
- 06. Plant & Equipment Average Annual Investment
- 07. Product Prices / Market Average Index
- 08. New Products Introduction Index
- 09. Relative output of Products of a Superior Quality Index
- 10. Index of Comparative Salesforce and Selling Expenditure
- 11. Index of Comparative Advertising Expenditure
- 12. Index of Comparative General Promotional Expenditure
- 13. Product Adoption Rates
- 14. Product Sales Conversion Rates
- 15. Average Annual Sales Growth Rate
- 16. Capacity Utilization as a measure of Standard Capacity
- 17. Standardized Products & Services Index
- 18. Relative Employee Compensation Index
- 19. Instable Market Share as an Index of Total Market Share
- 20. Relative Forward Integration Index
- Plant and Equipment Investment greater than Depreciation Plant and Equipment Investment Equal to Depreciation Plant and Equipment Investment Less than Depreciation Plant and Equipment Investment - Unallocated
- 22. Plant and Equipment in Use within the range 0-3 years Plant and Equipment in Use within the range 3-6 years

Plant and Equipment in Use within the range 6-9 years Plant and Equipment in Use over years 9 old / Unallocated

- 23. Supplier Concentration = 8 Largest Supplier Concentration = 20 Largest Supplier Concentration = 50 Largest Supplier Concentration = Unspecified / Unallocated
- 24. Immediate Wholesale & Retail Customers Immediate OEM and Manufacturing Customers Immediate Consumer and End User Customers Immediate Non-Specific Customers / Unallocated
- Enterprises within the Range 1-19 Employees
   Enterprises within the Range 20-99 Employees
   Enterprises within the Range 100+ Employees
   Enterprises within Unspecified / Unallocated Employee Ranges
- 26. Buyer Age Profile in the range 0-19 Years Buyer Age Profile in the range 20-24 Years Buyer Age Profile in the range 25-34 Years Buyer Age Profile in the range 35-44 Years Buyer Age Profile in the range 45-54 Years Buyer Age Profile in the range 55-64 Years Buyer Age Profile in the range 65+ / Unallocated Years
- 27. Buyer Profile in the AB Social Group
  Buyer Profile in the C1 Social Group
  Buyer Profile in the C2 Social Group
  Buyer Profile in the DE / Unallocated Social Group
- 28. End User Age Profile in the range 0-19 Years End User Age Profile in the range 20-24 Years End User Age Profile in the range 25-34 Years End User Age Profile in the range 35-44 Years End User Age Profile in the range 45-54 Years End User Age Profile in the range 55-64 Years End User Age Profile in the range 65+ / Unallocated Years
- 29. End User Profile in the AB Social Group End User Profile in the C1 Social Group End User Profile in the C2 Social Group End User Profile in the DE / Unallocated Social Group



# **B<sup>2</sup>B Buyer Targets**

### **Process, Physical Distribution & Logistics Consulting**

This database contains data on 8,906 significant worldwide Purchasing Entities (Suppliers and Distribution Channel members).

Once users have identified from the B<sup>2</sup>B Purchasing World Report document the Materials, Products or Services of interest, together with the Countries of interest (based on the Total Demand, Profitability, Industry data, and other criteria) a next step is to access data on the Buyer Targets, i.e. the individual Companies, Organisations and other Purchasing Entities.

Users can get the Buyer Target data in several sections.

The Procurement Data provides information on the \$ Values and/or Quantities/Volumes of Materials, Products and Services purchased by individual Companies and Organisations. In addition to the Materials, Products & Services listed above, additional breakdowns and more detailed product and service data is available from the raw surveys.

The Trade Buyer & End User Data provides information on the Trade Buyers and End Users of individual Companies and Organisations. In addition to Buying Company Targets, the same data is also available on the Trade Buyers and End Users of Industry Companies and Competitors.

The Survey Data provides information on the Surveys of Materials, Products & Services, Operations, Buyer & Decision Maker Profiles, Trading Area, and Competitors. This data is available for Buying Company Targets as well as Industry Targets and Competitors.

The Corporate Data provides information on target companies or organisations and this will give readers a detailed understanding of the target. In addition to Buying Company Targets, the same data is also available on Industry Targets and Competitors.

**Cost + Delivery** Costs depend on the data required. A quotation of cost and delivery will be provided on request from the After-Sales Service (see below).

### **Procurement Data**

### **Demand for Materials, Products & Services**

The Procurement Data provides information on the \$ Values and/or Quantities/Volumes of Materials, Products and Services purchased by individual Companies and Organisations.

In addition to the Materials, Products & Services listed above, additional breakdowns and more detailed product and service data is available from the raw surveys.

This will always include data, by year Historic: from 1997, and a Forecast by year to 2040. Data can be provided for up to 200 countries.

The client can specify Product / Services Demand breakdowns as needed.

### Trade Buyers & End User Data

### **Trade Buyers**

This data can investigate the Trade Buyers in the selected industries. The data is based on a series of existing Databases and raw survey data. The client can specify information as needed.

### **End Users**

This data can investigate the End Users in the selected industries. The data is based on a series of existing Databases and raw survey data. The client can specify information as needed.

### Survey Data

### Survey Data for the Products & Industries

Each survey (Suppliers, Distribution Channels, Decision Makers, Trade Buyers and End Users) contains 5 sub-sets for Products, Physical Operations, Buyer & End Users, Trading Area, & Competitors in the selected Industries.

| Products                        | The client can specify information as needed. |
|---------------------------------|---|
| Physical Operations             | The client can specify information as needed. |
| Buyer & Decision Maker Profiles | The client can specify information as needed. |
| Trading Area                    | The client can specify information as needed. |
| Competitors                     | The client can specify information as needed. |

These surveys cover the Industries, Products, Competitors, Operations and Product Flows in terms of the Suppliers, Distributors, Decision Makers, and End Users.

### **Industry & Supplier Performance**

One can investigate the product Industry in the selected Industries. Industry Performance Survey results. The client can specify information as needed.

### **Distribution Channels**

One can investigate the product Distribution Channels in the selected Industries. Distribution Survey results. The client can specify information as needed.

### **Decision Makers**

One can investigate the product Buyers and Purchasing Decision Makers in the selected Industries. Purchasing Decision Makers Survey results. The client can specify information as needed.

### **Trade Buyers & End Users**

One can investigate the End Users in the selected Industries. Trade Buyer & End User Survey results. The client can specify information as needed.

### **Corporate Data**

#### This database contains data on 8,906 significant Companies (Suppliers and Distribution Channel members) worldwide.

The Corporate Data provides information on target companies or organisations and this will give readers a detailed understanding of the target company.

This part is provided as a PDF file or a Word file, as specified by the client.

### Sample Data Objectives for each Target Company

The data objectives have to be set by the client and were possible these will be achieved by the research. For example:-

- 1. Financials: historical sales, forecasted sales, gross profit margin.
  - By industry sector and application sector as defined by the client.

For example, for the sales made by a Target Company those products sold to specific categories of customers, how much of their revenue is generated from providing various products, or application to specific categories of customers, et cetera.

- 2. A list of products produced by the Target Company or sourced from other suppliers.
- Type of distribution channel, e.g. direct sales to End Users, OEM sales, via specifiers, via importers or 3 distributor, partnering with third party providers, et cetera.
- 4. Partners by type (e.g. specifiers, product distributor, customer service partner) per country
- Pricing by product sector defined by the client. 5.
- 6. Discount structures
- Capacity by product/market defined
- 8. Availability of products (% of product in stock versus product to be ordered)
- 9. Sales by the type of Support for all categories specified by the client.
- 10. The average Modernization and Upgrades period by Product Sector defined by the client.
- 11. Customer Perceptions
- 12. The size (in terms of number) of management team per country, number of field sales persons per country, number of customer service staff per country.
- 13. Countries covered by the competitors, production sites (city), customer service sites (city), headcount, documentation.
- 14. Technology and innovation: innovative technology or application developments.
- 15. Et cetera... The client can specify any particular data which needs to be covered.

### **List of Target Companies**

The Client may either select the target themselves, or can specify the Top 10 or Top 15 in the World / Europe / individual Country / et cetera. The client can specify which Target Companies are to be covered.

### Base data objectives for the Target Company

Key Personnel:

- 1. Chairman
- 2. Chief Executive
- 3. Directors:
- 4. Executives:

Corporate Summary:

- 5. Company Description
- 6. Company History
- 7. Legal Entity & Ownership
- 8. Company Facilities
- 9. Company Key Assets
- 10. Mainline product / service
- 11. Product / services provided
- 12. Parent Company
- 13. Bankers
- 14. Year established
- 15. Current employees
- 16. Issued capital
- 17. Shareholders
- 18. Last published turnover
- 19. Subsidiaries
- 20. Associated companies
- 21. Companies represented
- 22. Agencies
- 23. Physical processing locations
- 24. Capital investment
- 25. Advertising expenditure
- 26. Advertising media
- 27. Advertising posture
- 28. Sales promotion activity
- 29. Method of selling
- 30. Distribution
- 31. Distribution network
- 32. Use of distribution channels
- SWOT Analysis:
  - 53. Strengths
  - 54. Weaknesses
  - 55. Opportunities
  - 56. Threats

#### Goals:

- 64. Renovating premises, stocking, staff & marketing.
- 65. Industry Penetration
- 66. Penetrate and raise awareness in target markets.
- 67. Achieving a higher profit margin.
- 68. Building the customer base.
- 69. Generate repeat and referral sales.
- 70. Expansion potential.
- 71. Reputation as a quality Supplier.

Exit Strategies:

Corporate Observations:

- 33. Premises
- 34. Product Brands
- 35. Product Sales Channels
- 36. Products Carried & Services Offered
- 37. Consumer Features & Benefits
- 38. Current Industry Analysis
- 39. Competition
- 40. Competitive Advantage
- 41. Target Industries
- 42. Target Customers
- 43. Current Strategy & Implementation
- 44. Current Management
- 45. Current Financial Plan
- 46. Investment Fund Sources & Use of Funds
- 47. Future Target Customers
- 48. Future Process Trends
- 49. Future Industry Analysis
- 50. Projected Industry Size
- 51. Planned Products & Services
- 52. Development Plans

- Future Strategy Planning & Implementation:
  - 57. Philosophy
  - 58. Product Development
  - 59. Internet Strategy
  - 60. Marketing Strategy
  - 61. Sales Strategy
  - 62. Strategic Alliances
  - 63. Operations
- Management:
  - 72. Organisational Structure
  - 73. Leadership
  - 74. Staff Members
- Financial Plans:
  - 75. Finance Requirements
  - 76. Use of Funds
  - 77. Cash Flow
  - 78. Balance Sheet Topics
  - 79. Financial Assumptions

### Specific Additional corporate data required on Target Companies

The client can specify any particular corporate data which is needed:

80. -81. -82. - .../

These above items are a qualitative analysis of the Target Company. This data is derived from the Surveys of Industry sources, Distribution Channels and Buyers of the products supplied by the target company. This data is not quantified, but is presented as the qualified and subjective opinions of those responding to the surveys.

### **Financial Data for the Target Company**

The financial data is provided in sections:-

- 1. the most salient Management figures and margins, and
- 2. a full Balance Sheet and Management Accounts simulation.

### **Management Accounts**

Management figures for the Target Company: Management figures for the Target Company:

- 1. Product Revenue
- 2. Product Profitability as a % Revenue
- 3. Total Process Space
- 4. Average Site Process Space
- 5. Average Site Revenues
- 6. Average Site Establishment Cost
- 7. Fixed Assets: Premises
- 8. Fixed Assets: Equipment
- 9. Fixed Assets: Miscellaneous Items
- 10. Fixed Assets
- 11. Capital Expenditure on Premises
- 12. Capital Expenditure on Plant
- 13. Capital Expenditure on Equipment
- 14. Cap. Expend. on Data Processing
- 15. Capital Expenditure on Misc. Items
- 16. Total Capital Expenditure
- 17. Retirements: Premises
- 18. Retirements: Plant & Equipment
- 19. Retirements: Miscellaneous Items
- 20. Total Retirements

- 21. Total Fixed Assets
- 22. Finished Product Stocks
- 23. Work in Progress as Stocks
- 24. Materials as Stocks
- 25. Total Stocks / Inventory
- 26. Debtors
- 27. Miscellaneous Current Assets
- 28. Total Current Assets
- 29. Total Assets
- 30. Creditors
- 31. Short Term Loans
- 32. Miscellaneous Current Liabilities
- 33. Total Current Liabilities
- 34. Net Assets / Capital Employed
- 35. Long Term Loans
- 36. Miscellaneous Long Term Liabilities
- 37. Shareholders' Funds
- 38. Process Workers
- 39. Total Employees

### Specific Additional Financial data required on Target Companies

The client can specify any particular Financial data which is needed.

### **Balance Sheet and Management Ratios**

Balance Sheet and Management Accounts for the Target Company: 💹 as an Excel file:

- 1. Return on Capital
- 2. Return on Assets
- 3. Return on Shareholders' Funds
- 4. Pre-tax Profit Margins
- 5. Operating Profit Margin
- 6. Trading Profit Margin
- 7. Return on Investment
- 8. Assets Utilisation (Sales to Total Assets)
- 9. Sales as a ratio of Fixed Assets
- 10. Stock Turnover (Sales as a ratio of Stocks)
- 11. Credit Period
- 12. Creditors' Ratio (Creditors / Sales times 365 days)
- 13. Default Debtors / Ratio of Total Debtors
- 14. Un-Recoverable Debts Ratio of Total Debts
- 15. Working Capital / Sales
- 16. Materials & Energy Costs as a % Revenue
- 17. Added Value
- 18. Investment as a Ratio of Added Value
- 19. Value of Plant & Equipment % Revenue
- 20. Vertical Integration (Value Added % Revenue)
- 21. Research & Development Investment % Revenue
- 22. Capital Expenditure Investment % Revenue
- 23. Marketing Costs as a % Revenue
- 24. Current Ratio (Current Assets/Liabilities)
- 25. Quick Ratio
- 26. Borrowing Ratio Total Debt ratio of Net Worth)
- 27. Equity Ratio (Shareholders Funds : Total Liabilities)
- 28. Income Gearing
- 29. Total Debt as a ratio of Working Capital
- 30. Debt Gearing Ratio (Long Term Loans: Net Worth)
- 31. Average Remuneration (all employees)
- 32. Profit per Employee
- 33. Sales per Employee
- 34. Remunerations / Sales
- 35. Fixed Assets per Employee
- 36. Capital Employed per Employee
- 37. Total Assets per Employee
- 38. Value of Average Investment per Employee
- 39. Value Added per Employee
- 40. Materials Costs as a % Revenue
- 41. Wage Costs as a % Revenue
- 42. Payroll and Wages as a Ratio to Materials
- 43. Variable Costs as a % Revenue
- 44. Fixed Costs as a % Revenue
- 45. Fixed Costs as a Ratio of Variable Costs
- 46. Distribution Costs as a % Revenue
- 47. Warehousing Costs as a % Revenue
- 48. Physical Costs as a % Revenue
- 49. Fixed as a Ratio of Variable Distribution Costs
- 50. Fixed as a Ratio of Variable Warehousing Costs
- 51. Fixed as a Ratio of Variable Physical Costs
- 52. Fixed Ratio of Variable Total Distribution Costs
- 53. Product Returns Costs % Revenue
- 54. Product Installation Costs as a % Revenue
- 55. Product Breakdown Costs as a % Revenue
- 56. Product Systems Costs as a % Revenue
- 57. Product Service & Associated Costs % Revenue
- 58. Customer & Associated Costs % Revenue
- 59. Work in Progress / Materials Ratio Finished Products
- 60. Stock

- 61. Un-recoverable Debts Ratio of Total Debt
- 62. Un-recoverable Debts Ratio Within Terms
- 63. Total Sales Costs as a % Revenue
- 64. Total Distribution Costs as a % Revenue 65. Total Advertising Costs as a % Revenue
- 66. Total After-Sales Costs as a % Revenue
- 67. Total Customer Compensation Costs
- 68. Total Variable Marketing Costs % Revenue
- 69. Total Fixed Marketing Costs % Revenue
- 70. Total Fixed Marketing Costs : Ratio Variable Costs
- 71. Variable Sales Personnel Costs: Marketing
- 72. Variable Distribution Ratio Marketing Costs
- 73. Variable Advertising Costs : Marketing
- 74. Variable After-Sales Costs as a Ratio of Marketing Costs
- 75. Sales Personnel Variable Costs : Sales
- 76. Sales Personnel Variable Costs : Debtors
- 77. Sales Personnel Variable Costs
- 78. Exports as a % Revenue
- 79. \$ Hourly Pay Rate
- 80. \$ Hourly Wage Rate
- 81. Capital Employed
- 82. Return on Capital
- 83. Return on Assets
- 84. Return on Shareholders' Funds
- 85. Pre-tax Profit Margins
- 86. Operating Profit Margin
- 87. Trading Profit Margin
- 88. Return on Investment
- 89. Assets Utilisation (Sales : Total Assets)
- 90. Sales / Fixed Assets Materials Ratio Work in Progress

Value of Plant & Equipment as a % Revenue

Capital Expenditure Investment % Revenue

Total Debt as a ratio of Working Capital

Average Remuneration (all employees)

Value of Average Investment / Employee

35

Research & Development Investment as a % Revenue

- 91. Stock Turnover (Sales as a ratio of Stocks)
- 92. Credit Period
- 93. Creditors' Ratio
- 94. Default Debtors Ratio of Total Debtors

Vertical Integration Ratio

- 95. Un-Recoverable Debts Ratio of Total Debts
- 96. Working Capital / Sales

Current Ratio

**Borrowing Ratio** 

Income Gearing

**Debt Gearing Ratio** 

Profit per Employee

Sales per Employee

Remunerations / Sales

Fixed Assets per Employee

Total Assets per Employee

Value Added per Employee

Capital Employed per Employee

Quick Ratio

Equity Ratio

97. Materials & Energy Costs as a % Revenue

Marketing Costs as a % Revenue

98. Added Value99. Investment as a Ratio of Added Value

100.

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### **Supplementary Data**

#### The client can specify information as needed.

This section can be used to specify non-Industry or non-Corporate data and research, for example:-

- Product Data
- Distribution Data
- Processes
- Technologies
- Macro-Economic Issues
- Political Issues
- National Legislation and Regulations
- Product Certification and Conformity Issues
- Demographic Data
- Physical & Geographical data (for example, Highways, Elevations, et al)
- Business Resources
- Et cetera...



# **B<sup>2</sup>B** Database Editions

### Upgrade to the full Database Edition at a reduced cost

To upgrade to the full Database Edition you can use the coupon in the B<sup>2</sup>B Index Edition to order the upgrade database edition you need at a reduced cost.

To claim your Coupon please contact your usual Dealer, and you will be supplied with the Database Edition of your choice.

World B2B Database: Cost \$ 2850, less the Coupon value of \$500.

Regional B2B Database: Cost \$ 1850, less the Coupon value of \$300.

Country + City B2B Database: Cost \$ 2850, less the Coupon value of \$500.

Country B2B Database: Cost \$ 1250, less the Coupon value of \$300.

Delivery

Online delivery of a Zipped file in 24 hours; plus an optional back-up DVD shipped in 1 working day.



# Process, Physical Distribution & Logistics Consulting Database Editions



www.b2b-ndx.com



### **Editions available**

```
Process, Physical Distribution & Logistics Consulting
```

The report on Process, Physical Distribution & Logistics Consulting is available is several editions, and also there are various additional elements available from the After-Sales Service.

# World B<sup>2</sup>B Database

The World Database gives market data for Process, Physical Distribution & Logistics Consulting on each of the Product and Demand Sectors for about 200 countries. There are data caveats on country data because in certain countries the data may not be available.

# Regional B<sup>2</sup>B Database

There are 9 Regional Databases available which give market data for Process, Physical Distribution & Logistics Consulting on each of the Product and Demand Sectors for countries in a particular Region. There are data caveats for some country data because in certain countries the data may not be available.

- 1. Canada & USA
- 2. Central America (31 Countries)
- 3. South America (13 Countries)
- 4. Europe (44 Countries)
- 5. Eurasia (4 Countries)
- 6. Middle East (19 Countries)
- 7. Africa (54 Countries)
- 8. Asia (24 Countries)
- 9. Oceania (17 Countries)

See the countries in each Regional Report Appendix 1

# Country B<sup>2</sup>B Database

There are Process, Physical Distribution & Logistics Consulting Country Database available for most countries. Country Reports provide detailed information on the target country.

# Country + City B<sup>2</sup>B Database

The Process, Physical Distribution & Logistics Consulting Country + City Database provides users with commercial intelligence on markets and industry in a particular country, plus market, financial and industry data on each of the significant Cities and Towns in the country. For the larger countries, like China, India, the USA, Brazil, et al, the data is generally limited to the top 500 Cities and Towns within the country.

### **Demand for Materials, Products & Services**

The report will give demand data for each of the below Process, Physical Distribution & Logistics Consulting Product and Demand Sectors, by year Historic: from 1997, and a Forecast by year to 2040. Data will be given for about 200 countries.

To see what such Country spreadsheets looks like (*illustrative examples only*): <u>Market Data</u> <u>Germany Market</u> <u>Germany Market Values</u> (US\$, Euros, Yen & Yuan)

In addition aggregate Demand data is given (illustrative examples only):

World / Global Totals (in US\$, Euros, Yen and Yuan) WORLD Market Values Dollar Euro WORLD Market Values Yen Yuan

9 Regional (Canada & USA, Central America, South America, Europe, Eurasia, Middle East, Africa, Asia, Oceania) Totals (in US\$, Euros, Yen and Yuan): <u>Europe Market Values Dollar Euro</u> <u>Europe Market Values Yen Yuan</u>

Year / Country Totals (1997 to 2040). Year 2010 Country Values Dollars

Code: BS5125\_L : NAICS / SIC Product definition: 541614 Process, physical distribution and logistics consulting services

### **Products covered**

#### **PROCESS - PHYSICAL DISTRIBUTION + LOGISTICS CONSULTING**

- 1. Process, physical distribution & logistics consulting
- 2. Raw & Feedstock Materials, n.e.c.
- 3. Finished Materials, n.e.c.
- 4. All other Input Materials & Components, n.e.c.
- 5. Buildings & Fittings
- 6. Plant & Equipment
- 7. Vehicles & Equipment
- 8. Data Processing, Software & Office Equipment
- 9. Miscellaneous Capital Purchases
- 10. New Technology Purchases
- 11. Process Technology Purchases
- 12. Research & Development Purchases
- 13. Fuel Purchases
- 14. Energy Purchases
- 15. Sub-Contracted Work Purchased
- 16. After-Sales Services Purchased
- 17. Technical Process Services Purchased
- 18. Technical Product Services Purchased
- 19. Legal & Public Relations Services Purchased
- 20. Leasing of Buildings
- 21. Rental & Leasing of Equipment
- 22. Financial Services Purchased
- 23. Building Maintenance & Services Purchased
- 24. Equipment Maintenance & Services Purchased
- 25. Services Purchased
- 26. Telecommunications & Data Services
- 27. Travel, Hotel & Subsistence Purchased
- 28. Office Supplies, Mailing,
- 29. Advertising Services & Media Purchases
- 30. Advertising Materials Purchases
- 31. Point of Sales Materials Purchases
- 32. Promotional Materials & Services Purchases
- 33. Sales Materials & Promotional Print
- 34. Contracted Logistics Services
- 35. Logistics Services Purchased
- 36. Contracted Warehouse & Storage Services
- 37. Warehouse & Storage Purchases
- 38. Contracted Product Handling Services
- 39. Product Handling Services Purchased
- 40. Contracted Process Services
- 41. Product Process Service Purchases

### NAICS / SIC coded reports and databases

This database is a Demand database which is designed to be compatible with U.S. government databases.

For NAICS / SIC coded reports and databases, the report structures, datasets, field names, et al, are an analogue of U.S. Department of Commerce and U.S. Census databases, but in a worldwide context. The products are described under their NAICS or SIC coding. This coding system classifies products within Product Codes.

For a full explanation of the NAICS coding system see: http://www.census.gov/eos/www/naics/

These product / revenue lines codes are of course determined by the U.S. Government agencies.

However if users want additional data then this can be extracted from the various databases and surveys as part of the After-Sales Service.

### **Geographic Coverage**

Albania Algeria Angola Argentina Armenia Aruba Australia Austria Azerbaijan Bahamas **Bahrain Bangladesh Barbados Belarus Belgium** Belize **Bhutan Bolivia** Bosnia + Herzegovina **Botswana** Brazil **Brunei** Bulgaria Burma Cambodia Cameroon Canada Chile China Colombia **Republic of Congo** D R Congo - Zaire Costa Rica Cote d'Ivoire Croatia Cuba Cyprus **Czech Republic** Denmark Dominica **Dominican Republic** Ecuador Egypt El Salvador Estonia Ethiopia Finland France French Guiana Gabon Gambia Georgia

Germany Ghana Greece Guadeloupe Guatemala Guinea Guinea-Bissau Guyana Haiti Honduras Hong Kong Hungary Iceland India Indonesia Iran Iraq Ireland Israel Italy Jamaica Japan Jordan Kazakhstan Kenva Korea South **Kuwait Kyrgyzstan** Laos Latvia Lebanon Lesotho Liberia Libya Lithuania Luxembourg Macedonia Madagascar Malawi Malaysia Martinique **Mauritius Micronesia** Mexico Moldova Mongolia Morocco Mozambique Namibia **Netherlands Netherlands Antilles New Zealand** 

Nicaragua Nigeria Norway Oman Pakistan Panama Papua Paraguay Peru **Philippines** Poland Portugal **Puerto Rico** Qatar Reunion Romania **Russia** Saudi Arabia Senegal Serbia + Montenegro Sierra Leone Singapore Slovakia Slovenia South Africa Spain Sri Lanka Sudan Suriname Swaziland Sweden Switzerland Syria Taiwan Tajikistan Tanzania Thailand Trinidad Tunisia Turkey Turkmenistan Uganda Ukraine **United Arab Emirates United Kingdom United States** Uruguay Uzbekistan Venezuela Vietnam Zambia Zimbabwe

See Data Caveat below.

### **Financial Data**

The databases will give Financial data for each of the below Process, Physical Distribution & Logistics Consulting Financial Data and Margins, by country, by year Historic from 1997, and a Forecast by year to 2040. Data will be given for EACH of the countries covered.

### **Balance Sheet Data**

To see what such a spreadsheet looks like: Balance Sheet Data

Total Revenues, Domestic Revenues, Exports, Pre-tax Profit, Interest Paid, Non-trading Income, Operating Profit, Depreciation: Structures, Depreciation: Plant and Equipment, Depreciation: Miscellaneous Items, Total Depreciation, Trading Profit, Intangible Assets, Intermediate Assets, Fixed Assets: Structures, Fixed Assets: Plant and Equipment, Fixed Assets: Miscellaneous Items, Fixed Assets, Capital Expenditure on Structures, Capital Expenditure on Plant and Equipment, Capital Expenditure on Vehicles, Capital Expenditure on Data Processing Equipment, Capital Expenditure on Miscellaneous Items, Total Capital Expenditure, Retirements: Structures, Retirements: Plant and Equipment, Retirements: Miscellaneous Items, Total Retirements, Total Fixed Assets, Finished Product Stocks, Work in Progress as Stocks, Materials as Stocks, Total Stocks / Inventory, Debtors, Total Maintenance Costs, Services Purchased, Miscellaneous Current Assets, Total Current Assets, Total Assets, Creditors, Short Term Loans, Miscellaneous Current Liabilities, Total Current Liabilities, Net Assets / Capital Employed, Shareholders Funds, Long Term Loans, Miscellaneous Long Term Liabilities, Workers, Hours Worked, Work in 1st Quarter, Work in 2nd Quarter, Work in 3rd Quarter, Work in 4th Quarter, Total Employees, Raw Materials Cost, Finished Materials Cost, Fuel Cost, Electricity Cost, Total Input Supplies / Materials and Energy Costs, Payroll Costs, Wages, Directors' Remunerations, Employee Benefits, Employee Commissions, Total Employees Remunerations, Sub Contractors, Rental & Leasing: Structures, Rental & Leasing: Plant and Equipment, Total Rental & Leasing Costs, Maintenance: Structures, Maintenance: Plant and Equipment, Communications Costs, Miscellaneous Expenses, Sales Personnel Variable & Commission Costs, Sales Expenses and Costs, Sales Materials Costs, Total Sales Costs, Distribution Fixed Costs, Distribution Variable Costs, Warehousing Fixed Costs, Warehousing Variable Costs, Physical Handling Fixed Costs, Physical Handling Variable Costs, Physical Process Fixed Costs, Physical Process Variable Costs, Total Distribution and Handling Costs, Mailing & Correspondence Costs, Media Advertising Costs, Advertising Materials & Print Costs, POS & Display Costs, Exhibition & Events Costs, Total Advertising Costs, Product Returns & Rejection Costs, Product Installation & Re-Installation Costs, Product Breakdown & Post Installation Costs, Product Systems & Configuration Costs, Product Service & Maintenance Costs, Customer Problem Solving & Customer Complaint Costs, Total After-Sales Costs, Total Marketing Costs, New Technology Expenditure, New Production Technology Expenditure, Total Research and Development Expenditure, Total Operational & Process Costs, Debtors within Agreed Terms, Debtors Outside Agreed Terms, Un-recoverable Debts.

### Financial Margins & Ratios Data

To see what such a spreadsheet looks like: Financial Margins & Ratios Data

Return on Capital, Return on Assets, Return on Shareholders' Funds, Pre-tax Profit Margins, Operating Profit Margin, Trading Profit Margin, Return on Investment, Assets Utilisation (given as a ratio of Sales to Total Assets), Sales as a ratio of Fixed Assets, Stock Turnover (Sales as a ratio of Stocks), Credit Period, Creditors' Ratio (given as Creditors divided by Sales times 365 days), Default Debtors given as a Ratio of Total Debtors, Un-Recoverable Debts given as a Ratio of Total Debts, Working Capital / Sales, Materials & Energy Costs as a % Revenue, Added Value, Investment as a Ratio of Added Value, Value of Plant & Equipment as a % Revenue, Vertical Integration (Value Added as a % Revenue), Research & Development Investment as a % Revenue, Capital Expenditure Investment as a % Revenue, Marketing Costs as a % Revenue, Current Ratio (Current Assets as a ratio of Current Liabilities), Quick Ratio, Borrowing Ratio (or Total Debt as a ratio of Net Worth), Equity Ratio (Shareholders Funds as a ratio of Total Liabilities), Income Gearing, Total Debt as a ratio of Working Capital, Debt Gearing Ratio (Long Term Loans as a ratio of Net Worth), Average Remuneration (all employees - full and part), Profit per Employee, Sales per Employee, Remunerations / Sales, Fixed Assets per Employee, Capital Employed per Employee, Total Assets per Employee, Value of Average Investment per Employee, Value Added per Employee, Materials Costs as a % Revenue, Wage Costs as a % Revenue, Payroll and Wages as a Ratio to Materials, Variable Costs as a % Revenue, Fixed Costs as a % Revenue, Fixed Costs as a Ratio of Variable Costs, Distribution Costs as a % Revenue, Warehousing Costs as a % Revenue, Physical Costs as a % Revenue, Fixed as a Ratio of Variable Distribution Costs, Fixed as a Ratio of Variable Warehousing Costs, Fixed as a Ratio of Variable Physical Costs, Fixed as a Ratio of Variable Total Distribution & Handling Costs, Product Returns & Rejections Costs as a % Revenue, Product Installation & Associated Costs as a % Revenue, Product Breakdown & Associated Costs as a % Revenue, Product Systems & Associated Costs as a % Revenue, Product Service & Associated Costs as a % Revenue, Customer Complaint & Associated Costs as a % Revenue, Stock Work in Progress & Materials as a Ratio of Finished Products, Stock Materials as a Ratio of Work in Progress. Un-recoverable Debts as a Ratio of Total Debt, Un-recoverable Debts as a Ratio of Debts Within Agreed Terms, Total Sales Costs as a % Revenue, Total Distribution & Handling Costs as a % Revenue, Total Advertising Costs as a % Revenue, Total After-Sales Costs as a % Revenue, Total Customer Compensation Costs as a % Revenue, Total Variable Marketing Costs as a % Revenue, Total Fixed Marketing Costs as a % Revenue, Total Fixed Marketing Costs as a Ratio of Total Variable Marketing Co, Variable Sales Personnel Costs as a Ratio of Marketing Costs, Variable Distribution & Handling Costs as a Ratio of Marketing Costs, Variable Advertising Costs as a Ratio of Marketing Costs, Variable After-Sales Costs as a Ratio of Marketing Costs, Sales Personnel Variable Costs as a Ratio of Sales, Sales Personnel Variable Costs as a Ratio of Debtors, Sales Personnel Variable Costs as a Ratio of Un-Recoverable Debtors, Exports as a % Revenue, \$ Hourly Pay Rate, \$ Hourly Wage Rate, Capital Employed.

### **General Contents**

### Process, Physical Distribution & Logistics Consulting World Report

This report provides commercial intelligence on industries in over 200 countries. The report analyses the world Demand with a basic point of reference, namely a base reference country.

These reports give both a narrative description of the matters covered as well as provide users the ability to directly use the Chapters (via Microsoft Word) to produce their own reports and documentation. Experienced users will be able to use the spreadsheet and databases to generate detailed narrative reports, charts and graphics - as well as sophisticated business and commercial forecasts and models. The databases are provided in both Excel spreadsheets and an Access database. Explanatory notes are provided as Word or PDF formats.

As an entry level product the narrative is necessarily illustrative in its terminology and seeks to provide a basic degree of business logic and theory which indicates the rational applied in the forecasting and modelling methodology.

The databases are specifically designed to provide users with a uniform and consistent numeric measure of both (normally) quantifiable values as well as conceptual factors which are (usually) only capable of qualification. Experienced users will know how to apply forecasting and modelling software to the numeric data provided to generate highly detailed and discrete business planning models. The databases provided in this report can be used directly with databases on other product, markets and industries in other countries. The databases are specifically designed to be transnational, currency neutral, inflation and purchasing parity adjusted, product parity and product equivalent adjusted, opportunity cost adjusted, and numerically compatible; they all can be linked or merged programmatically in business planning models to provide multi-national and multi-level analysis.

The databases are designed to give a common definition, unit of measure and quantification of demand in over 200 countries. These rely on data collection at various levels of the product flow; this effectively means: the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning.

#### **Choice of Base Reference Country**

As report databases are generated specifically for each client order, the client can select which Base Country the database uses. The choice of a Base Country is important as it puts the database into the client's own perspective. This is important, for example, in respect of Purchasing Parity data or the results of End User Survey data where the world data is presented from the relative position of the Base Country.

### **Database Edition Demand Research Contents**

Please also see the Notes to the contents: Notes

Within each heading there are links with detailed descriptions and explanation of the contents; these can be opened when the link is clicked.

| Chapters | Pages | Volumes      | Diagrams, Maps<br>& Illustrations | Spreadsheets &<br>Database tables               |
|----------|-------|--------------|-----------------------------------|---|
| 59       | 2182  | Online & DVD | c. 500                            | Excel Spreadsheets: 9699<br>Access tables: 9765 |

### **Databases & Structures**

5

|        | Process, Physical Distribution & Logistics Consulting Report Database                             |
|--------|---|
| Root   | This folder contains a number of general files, plus the various main Chapter Files.              |
| Folder | Summary Documents<br>The Report contains 2 Summary documents for the Market Research which can be |
|        | opened in a Browser or as a Word document and paginated.  |
|        | If required these files can then be saved as PDF files:-  |
|        | <ol> <li>MR_Executive_Summary_Brief.html will render into about 70 pages.</li> </ol>              |
|        | 2. MR_Executive_Summary.html will render into about 950 pages.                                    |
| • 🚞    | Market Research   |
| • 🛅    | This folder contains the main Market Research files.<br>Corporate Research                        |
|        | Where the database is specified as having Corporate Intelligence, this folder contains the main   |
|        | Corporate Research files.   |
| • 🚞    | Research Data   |
|        | This folder contains the Market Research files which are specific to this edition of the report.  |
| • 💼    | BUSINESS PLANNING   |
|        | This folder contains the Business Plan Documents & Boilerplates                                   |
|        | Also see the Business Plan Images folder in Toolkit 1   |
|        |   |
| •      | BASE_FOLDERS Significant folders include:-  |
| •      | <b>CHAPTERS in HTM</b> HTM files listing the Chapter contents                                     |
| • [    | <b>Cities</b> HTM files listing Cities & Towns in the database                                    |
| • [    | HELP Help documents Also see the HELP folder in Toolkit 1   |
| •      | MAPS  |
| • [    | <b>MDB</b> Access databases   |
|        | •   |
|        | MarketResearch.mdb  |
|        | MarketResearch.mdb Table List   |
|        | • Morld mdb   |
|        | Woha.mab  |
|        | World.mdb Table List  |
|        | •   |
|        | World_Product_Sectors.mdb   |
|        | World_Product_Sectors.mdb Table List  |
|        |   |
|        | Corporate.mdb   |
|        | Corporate.mdb Table List  |
|        |   |
|        | Base.mdb General & Database Reference tables in 'Base_mdb_Database.zip' file                      |

I.

| [Size 75.8MB]   |
|---|
| <ul> <li>Data.exe Supplemental Database extraction [Optional. 547 databases for<br/>Modelling Level products. Size 2.56GB]</li> </ul> |
| Auxiliary_Data.exe Auxiliary Database extraction [Optional. 44 databases for Modelling Level products. Size 298MB]                    |
| <ul> <li>Data_Help.exe [Optional. 10,400 files for Modelling Level products. Size 34MB]</li> </ul>                                    |
| • Discretions   |
| <ul> <li>REFERENCE Reference documents: Solution</li> <li>Also see the REFERENCE folder in Toolkit 1</li> </ul>                       |
| • 🗀 XLS 📓 Business Planning & Database Reference Spreadsheets   |
| <ul> <li>XLS_Corporate Spreadsheets</li> <li>Corporate File List</li> </ul>   |
| KLS_MarketResearch     Market Research Spreadsheets     Market Research File List   |
|   |

### **Documents & Manuals**

There are additional resources to be found in Toolkit 1 which can be used to assist the interpretation and manipulation of the database. These are:-

- 1. Data Manuals on the Report Contents
- 2. Documents & Templates on the Report Contents
- 3. Help files on the Report Contents
- 4. Manuals & Templates on the Report Contents

For a detailed Table of Contents for each chapter, database or spreadsheet: **click** on the **Blue headings shown below.** This will open a page in your browser which fully specifies the contents of that heading.

### Spreadsheets



### Chapters

- 1 OVERSEAS DEVELOPMENT
- 2 ADMINISTRATION
- 3 ADVERTISING
- 4 BUYERS COMMERCIAL OPERATIONS
- 5 BUYERS COMPETITORS
- 6 BUYERS MAJOR CITY
- 7 BUYERS PRODUCTS
- 8 BUYERS TRADE CELL
- 9 COMPETITIVE INDUSTRY ANALYSIS
- **10 COMPETITOR ANALYSIS**
- **11 COUNTRY FOCUS**
- 12 DISTRIBUTION
- 13 FINANCIAL BUSINESS DECISION SCENARIOS
- 14 FINANCIAL CAPITAL COSTS FINANCIAL SCENARIOS
- 15 FINANCIAL CASHFLOW OPTION SCENARIOS
- 16 FINANCIAL COST STRUCTURE SCENARIOS
- 17 FINANCIAL HISTORIC INDUSTRY BALANCE SHEET
- 18 FINANCIAL HISTORIC MARKETING COSTS & MARGINS
- 19 FINANCIAL INVESTMENT + COST REDUCTION SCENARIOS
- 20 FINANCIAL MARKET CLIMATE SCENARIOS
- 21 FINANCIAL MARKETING COSTS
- 22 FINANCIAL MARKETING EXPENDITURE SCENARIOS
- 23 FINANCIAL MARKETING MARGINS
- 24 FINANCIAL STRATEGIC OPTIONS SCENARIOS

- 25 FINANCIAL SURVIVAL SCENARIOS
- 26 FINANCIAL TACTICAL OPTIONS SCENARIOS
- 27 GEOGRAPHIC DATA
- 28 INDUSTRY NORMS
- 29 MAJOR CITY MARKET ANALYSIS
- 30 MARKET CAPITAL ACCESS SCENARIOS
- 31 MARKET CASHFLOW SCENARIOS
- 32 MARKET ECONOMIC CLIMATE SCENARIOS
- 33 MARKET INVESTMENT + COSTS SCENARIOS
- 34 MARKET MARKETING EXPENDITURE SCENARIOS
- 35 MARKET RISK SCENARIOS
- 36 MARKET STRATEGIC OPTION SCENARIOS
- 37 MARKET SURVIVAL OPTION SCENARIOS
- 38 MARKET TACTICAL OPTION SCENARIOS
- 39 MARKETING EXPENDITURE -v- MARKET SHARE
- 40 MARKETING STRATEGY DEVELOPMENT
- 41 MARKETS
- 42 OPERATIONAL ANALYSIS
- 43 PERSONNEL MANAGEMENT
- 44 PHYSICAL DISTRIBUTION + CUSTOMER HANDLING
- 45 PRICING
- 46 PROCESS + ORDER HANDLING
- 47 PRODUCT ANALYSIS
- 48 PRODUCT DEVELOPMENT
- 49 PRODUCT MARKETING FACTORS
- 50 PRODUCT MIX
- 51 PRODUCT SUMMARY
- 52 PROFIT RISK SCENARIOS
- 53 PROMOTIONAL MIX
- 54 SALESFORCE DECISIONS
- 55 SALES PROMOTION
- 56 SURVEYS
- 57 TARGETS PRODUCT + MARKET
- 58 TECHNOLOGY
- 59 TRADE CELL ANALYSIS

| Countries            | Demand           | Demand<br>Forecast   | Financial<br>Forecast | Financial<br>Margins | Historic<br>Financial | Historic<br>Costs    | Industry<br>Norms |
|----------------------|------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-------------------|
| Albania              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Algeria              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Angola               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Argentina            | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Armenia              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Aruba                | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Australia            | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Austria              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Azerbaijan           | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bahamas              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bahrain              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bangladesh           | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Barbados             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Belarus              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Belgium              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Belize               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bermuda              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bhutan               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bolivia              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bosnia & Herzegovina | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Botswana             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Brazil               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Brunei               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Bulgaria             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Cambodia             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Cameroon             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Canada               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Chad                 | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Chile                | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| China                | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Colombia             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Costa Rica           | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Cote d'Ivoire        | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Croatia              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Cuba                 | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Cyprus               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Czech Republic       | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Denmark              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Dominica             | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Dominican Republic   | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Ecuador              | Market<br>Market | Forecast             | Forecast              | Forecast             | Historic              | Historic<br>Historic | Norms             |
| Egypt<br>El Salvador | Market           | Forecast<br>Forecast | Forecast<br>Forecast  | Forecast<br>Forecast | Historic<br>Historic  | Historic             | Norms<br>Norms    |
| Estonia              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
|                      | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Ethiopia<br>Finland  | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| France               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| French Guiana        | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Gabon                | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Gambia               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Georgia              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Germany              | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Ghana                | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Greece               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Guadeloupe           | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Guatemala            | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Guinea               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Guinea-Bissau        | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
| Guyana               | Market           | Forecast             | Forecast              | Forecast             | Historic              | Historic             | Norms             |
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|-------------------------|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|
| Haiti                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Honduras                | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Hong Kong               | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Hungary                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Iceland                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| India                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Indonesia               | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Iran                    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Iraq                    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Ireland                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Israel                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Italy                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Jamaica                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Japan                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Jordan                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Kazakhstan              | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Kenya                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Kuwait                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Kyrgyzstan              | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Laos                    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Latvia                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Lebanon                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Lesotho                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Liberia                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Libya                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Liechtenstein           | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Lithuania               | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Luxembourg              | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Macedonia               | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Madagascar              | Market<br>Market | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Malawi                  |                  | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Malaysia                | Market<br>Market | Forecast             | Forecast             | Forecast             | Historic<br>Historic | Historic<br>Historic | Norms<br>Norms |
| Malta                   | Market           | Forecast<br>Forecast | Forecast<br>Forecast | Forecast<br>Forecast | Historic             | Historic             | Norms          |
| Martinique<br>Mauritius | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
|                         | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Mexico<br>Moldova       | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
|                         | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Monaco                  | Market           |                      | Forecast             |                      | Historic             | Historic             |                |
| Mongolia<br>Morocco     | Market           | Forecast<br>Forecast | Forecast             | Forecast<br>Forecast | Historic             | Historic             | Norms<br>Norms |
| Mozambique              | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Namibia                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Nepal                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Netherlands             | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Netherlands Antilles    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| New Caledonia           | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| New Zealand             | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Nicaragua               | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Nigeria                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Norway                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Oman                    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Pakistan                | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Panama                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Papua New Guinea        | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Paraguay                | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Peru                    | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Philippines             | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Poland                  | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Portugal                | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Puerto Rico             | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Qatar                   | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Reunion                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| Romania                 | Market           | Forecast             | Forecast             | Forecast             | Historic             | Historic             | Norms          |
| 1                       |                  |                      |                      |                      |                      |                      | -              |

| Russia               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
|----------------------|--------|----------|----------|----------|----------|----------|-------|
| Saudi Arabia         | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Senegal              | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Serbia & Montenegro  | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Sierra Leone         | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Singapore            | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Slovakia             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Slovenia             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| South Africa         | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| South Korea          | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Spain                | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Sri Lanka            | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Suriname             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Swaziland            | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Sweden               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Switzerland          | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Syria                | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Taiwan               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Tajikistan           | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Tanzania             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Thailand             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Trinidad & Tobago    | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Tunisia              | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Turkey               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Turkmenistan         | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Uganda               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Ukraine              | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| United Arab Emirates | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| United Kingdom       | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| United States        | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Uruguay              | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Uzbekistan           | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Venezuela            | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Vietnam              | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Virgin Islands       | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Zambia               | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |
| Zimbabwe             | Market | Forecast | Forecast | Forecast | Historic | Historic | Norms |

#### The Data Caveat

The report databases are designed to give a common definition, unit of measure and quantification of demand in over 200 countries. These reports rely on data collection at various levels of the product flow; this effectively means, the producer, the distribution channels and the end user or consumers. This data is then correlated with any national and international statistical data produced by official agencies. Unfortunately, product flow data gathering in some countries is difficult, and furthermore the official statistical data is both inaccurate and sparse. In such circumstances, in some countries, we have to flag a Data Caveat as a warning. What this means is that in some countries the data is not sufficiently verifiable for statistical purposes and in those cases the data may not be presented.

### Methodology

For more information on methodology please download a copy of the Methodology Manual:

Methodology\_Manual.pdf

### Deliverables

The Database Edition is provided as follows:

- Executive Summary at a Word document (833 pages) + Executive Summary as a PDF (833 pages).
   World Edition: Executive Brief (90 html pages) + Executive Summary (900 html pages).
- 2. Online downloadable Zipped version of the report.
- 3. Back-up DVD with Report and Report Database (Optional).
- 4. 12 months After-Sales Service.
- 5. 1-2 hour Teleconference / Teamviewer presentation of the report findings if required. See After-Sales Service.
- 6. Dedicated web site access for the report & databases if required. See After-Sales Service.

### About this Database

As an entry level product the narrative is necessarily illustrative in its terminology and seeks to provide a basic degree of business logic and theory which indicates the rational applied in the forecasting and modelling methodology. First time users should read the Database Introduction as well as the Notes and Definitions links found in each Chapter. There are subtle statistical nuances to some of the spreadsheets & databases which will help the user to fine-tune their models and forecasts to obtain maximum effect and greater accuracy.

### **Data Product levels**

Because of the sheer volume of data potentially available it has been necessary to create a number of product levels which can provide clients with as little or as much data as needed. Clients can upgrade their Product level if required.

#### Database Entry level

Entry level products provide the most basic degree of information supplied. This product can be used to build upon for various business forecasting and planning application. A World Report will have a database of over 9,000 record sets.

#### Corporate Modelling level

The Corporate level modelling products provide the tools and information for medium and long term corporate forecasting and planning. Typically this level will produce a count of over 24,000 record sets.

#### Econometric Modelling level

The Econometric level modelling products provide the tools and information for industry level, national, and international medium & long term forecasting and planning. Typically this has a database of over 39,000 record sets.

#### Presentation level

The Presentation level products provide the information sought by a client company is a graphical or audio-visual format which is bespoke for the particular needs and applications of the client.

### **Real Time Support**

The After-Sales Service can offer client Real-Time Support. This usually involves using a software utility called TeamViewer (an installation program can be found in the Toolkit on your DVD or Hard Disk Drive) which allows the After-Sales Service support staff to directly link to the client's computer and work with the users in real time.

### **Toolkits**

To assist users there are various Toolkits available on request:

The Files, Data, Documents, Software, Tools, Utilities and other items provided on these DVDs are supplied for the sole use of the recipient. These items are the property of the publishers concerned and they may not be released or distributed without the express permission of the publisher of each item.



#### Toolkit 1

- 1. Data Manuals
- 2. Document Templates
- 3. Help files
- 4. Manuals Templates
- 5. Microsoft Utilities
- 6. OpenOffice
- 7. Business Plan Images
- 8. Reference files
- 9. US Census Data Tools
- 10. Utilities & Tools

#### Toolkit 2

- 1. Database Utilities
- 2. Enterprise Resource Planning
- 3. Integrated Development Environment

Because all DataGroup & Data Institute database are directly compatible with U.S. Government databases it is sometimes useful for users to use US Government data handling tools to manage not only US Government data, but also the data provided by DataGroup and Data Institute. Alternatively, if you are already using this US Government software you can simply access the DataGroup & Data Institute databases with the same software. In generate DataGroup & Data Institute use the same database parameters, structures and field names as those found in US Government databases, and thus users can correlate and query databases without undue difficulty.

If you intend to implement DataGroup and Data Institute databases online (internet or intranet) then an Integrated Development Environment is often the easiest route to data dissemination and data manipulation.

#### **Toolkit 3**

There are about 40 Statistical packages provided in this Toolkit. These are Open-Source packages which are generally free to use:

acsIX, ADaMSoft, ADMB, AMPL, Analyse-it, Analytica, Angoss, APMonitor, ASReml, Automlab, Baudline, Bayesian Filtering Library, BMDP, BV4.1, CalEst, Ch, Chronux, COMSOL Script, CSPro, DADISP, DAP, Data Applied, Dataplot, Demetra+, EJS, ELKI, Epi Info, Euler Mathematical Toolbox, EViews, FAME, FEniCS Project, Fityk, FlexPro, GAUSS, Genedata Analyst, GenStat, GeoDA, GLIM, GNU Data Language, GraphPad InStat, GraphPad Prism, gretl, Hermes, IBM SPSS Modeler, IBM SPSS Statistics, IDAMS/WinIDAMS, IDL, IGOR Pro, IMSL Numerical Libraries, Izenda, JAGS, JHepWork, JMP, JMulTi, Julia, KPP, LabPlot, LISREL, Macsyma, Madagascar, MadArtSoft, Madeline, Maple, Mathcad, Mathemagix,, Mathematica, MATLAB, MCSim, MedCalc, Minitab, MINUIT, MLwiN, Mondrian, NCAR Command Language, NCSS, NMath Stats, numberGo Publisher, NumXL, Octave, O-Matrix, OpenBUGS, OpenEpi, OpenMx, OptimJ, Orangesrc="images/ Origin, OriginPro, PARI/GP, Partek, PAW, Perl Data Language, Ploticus, Primer-E Primer, PSPP, PV-WAVE, Q research software, QtiPlot, Quantum, R, R Commander, R Rattle GUI, RapidMiner, RATS, Revolution Analytics, ROOT, Sage, SALOME, Salstat, SAS, scikit-learn, Scilab, SciPy, SHAZAM, Shogun, SigmaStat, SigmaXL, Simfit, Simu, SOCR, SOFA Statistics, SPC XL, Speakeasy, S-PLUS, SPSS, Stata, Statgraphics, STATISTICA, Statistical Lab, Stat-JR, Stats Helper, StatXact, SUDAAN, Systat, The Unscrambler, Trilinos, Unistat, VisSim, Waffles, Weka, WinBUGS, Winpepi, X-12-ARIMA, XLfit, Xlisp-stat, XploRe, Yorick

#### Toolkit 4

Utilities & resources, for clients using

Toolkit 5 Utilities & resources for clients with Microsoft Server 2008 databases on Microsoft Server 2003 systems. systems. Microsoft Server 2012 migration utilities are also provided in this Toolkit

### Proprietary Software package compatibility

If you use proprietary corporate planning software then it is easy to use these databases as they are compatible with the following packages:-

#### Some Compatible Software products (See the Database Support site for a full list)

**Project Management Software**: 24SevenOffice, Assembla, AtTask, Basecamp, Central Desktop, Cerebro, Clarizen, codeBeamer, Collabtive, Concerto, Contactizer, CredAbility.info, dotProject, Easy Projects .NET, eGroupWare, FastTrack Schedule, Feng Office Community Edition, FogBugz, GanttProject, Gemini, Genius Inside, Glasscubes, Huddle, Hyperoffice, InLoox, JIRA, Journyx, Kayako, KForge, KPlato, Launchpad, LiquidPlanner, LisaProject, MacProject, MantisBT, MatchWare MindView 3 Business, Merlin, MicroPlanner X-Pert, Microsoft Office Project Server, Microsoft Project, Mingle, O3spaces, OmniPlan, Open Workbench, OpenProj, Oracle Project Portfolio Management, Planisware 5, Planner Suite, Pmplus+, Primavera Project Planner, Project KickStart, Project.net, Project-Open, Projectplace, ProjectSpaces, Projektron BCS, PSNext, QdPM, QuickBase, Redmine, Rachota, SAP RPM, Smartsheet, TaskJuggler, Teamcenter, Teamwork, Tenrox, Trac, TrackerSuite.Net, Ubidesk, VPMi, WorkLenz, WorkPLAN Enterprise, workspace.com, WebSPOC, Wrike, Zoho Projects

**ERP Packages**: Adempiere, BlueErp, Compiere, Dolibarr, Fedena, GNU Enterprise, JFire, Kuali Foundation, LedgerSMB, OFBiz, Openbravo, OpenERP, Opentaps, Postbooks, SQL-Ledger, Tryton, WebERP, 1C:Enterprise, 24SevenOffice Start / Premium / Professional, abas ERP, Accpac, Agresso Business World, AMS Advantage, BatchMaster ERP, Bowen & Groves, CGram Enterprise, Clear Enterprise, Comarch Altum, Compass ERP, Compiere, Comprehensive Patient Administrator, COA Solutions Ltd - Smart Business Suite, Consona Corporation – Intuitive / Made2manage / AXIS / Cimnet / Encompix / DTR, Epicor Enterprise, Global Shop Solutions One-System ERP Solutions, HansaWorld, ERP Adage (Adage), ERP LN (Baan), ERP LX (BPCS) , ERP SL (SyteLine), ERP Swan, ERP SX.Enterprise (SX.Enterprise), ERP VE (Visual Enterprise), ERP XA (MAPICS), IFS Applications, JD Edwards EnterpriseOne & JD Edwards World, JustFoodERP.com, kVASy4, Kingdee, Lawson M3 / Movex, Lawson S3, Log-net, Maximo (MRO), Microsoft Dynamics AX, Microsoft Dynamics GP, Microsoft Dynamics NAV, Microsoft Dynamics SL, Momentum, MyWorkPLAN, NetSuite, Openda QX, OpenMFG, Oracle e-Business Suite, Paradigm, PeopleSoft, Plex Online, QAD Enterprise Applications, Ramco Enterprise Series 4.x, Ramco e.Applications, Ramco On Demand ERP, MAS 90, MAS 200, MAS 500, Technology One, SAGE ACCPPAC, SAGE Pro ERP, SAGE ERP X3, SAP Business Suite, SAP Business ByDesign, SAP Business One, SAP Business All-in-One, TaskHub, SYSPRO, SYS-APPS, mySAP, Visibility.net, WorkPLAN Enterprise

**Enterprise Feedback Management Systems**: SynGro, Perseus (Vovici), Clicktools, DatStat, Inquisite, SPSS, FIRM (Confirmit), NetReflector, Allegiance, Enetrix, Satmetrix, RightNow Technologies, Mindshare Technologies, Data Illusion, KeySurvey (WorldAPP), Kinetic Data, CustomerSat, Medallia, Interview SA, Surveynomics, Invoke Solutions, Qualtrics, Fizzback, Grimmersoft, QuestManager, QuestBack, Globalpark, DataCycles, Dub Studios, eLustro, Kinesis Survey Technologies, Knowledge Wave, myK (myKnowledge), mySurveyLab.com, QuickSearch, Ransys, ResponseTek Networks Corp., TalkFreely, XTCO, Zarca

### **Resource Web**

Sometimes clients also want the data loaded onto a password protected dedicated website for the use of their staff and any other persons they may authorise.

The main benefit of these Resource Webs is that the data is available to all the client's staff and professional advisors wherever they may be, and also when data is updated, or new data is added, then there is a common point of access for that data. Resource Webs are maintained for the use of the client for a period of 12 months from the last update to that site. These dedicated web sites are provided by the After-Sales Service.

For a detailed view of a typical Resource Web: <u>http://www.eni-italy.info</u> produced for ENI, the Italian Oil group

### **Research & Survey Methodology Analysis**

Some client may wish to understand the statistical and methodological basis of the specific research conducted and this can be provided as part of the After-Sales Service.

Statistical Appraisal of Datasets (via the After-Sales Service)

#### • Sampling

- External Validity
- Sampling Terminology
- Statistical Terms in Sampling
- Probability Sampling
- Nonprobability Sampling

#### Measurement

- Construct Validity
  - Measurement of Validity Types
  - o Construct Validity
  - o Convergent & Discriminant Validity
  - o Threats to Construct Validity
  - Nomological Networks
  - o Multi-trait / Multi-method Matrix
  - Pattern Matching Construct Validity
- Reliability
  - True Score
  - o Measurement Error
  - o Reliability
  - o Type of Reliability Analysis
  - Validity
- Levels of Measurement
- Survey Research
  - Survey Type
  - Selecting the Survey Method
  - Construction of the Survey
    - Questions
    - Question Content
    - Response Format
    - Question Wording
    - Question Placement
  - o Interviews
  - $\circ~$  Appraisal of Survey Method
- Scaling
  - $\circ~$  General Issues in Scaling
  - o Thurstone Scaling
  - o Likert Scaling
  - Guttman Scaling
- Qualitative Measures
  - Qualitative Discussion
  - Qualitative Data
  - Qualitative Approach
  - Qualitative Method
  - Qualitative Validity
- Unobtrusive Measures

Design

•

- Internal Validity
  - Establishing Cause & Effect
    - Single Group Threats
      - Regression to the Mean
  - Multiple Group Threats
  - Social Interaction Threats
- Design Development
- Design Type
  - Experimental Designs
    - Two-Group Experimental Design
      - Probabilistic Equivalence
      - Random Selection & Assignment
    - Classifying Experimental Designs
    - Factorial Design
      - Factorial Design Variations
    - Randomized Block Design
    - Covariance Design
  - Hybrid Experimental Design
  - Quasi-Experimental Designs
    - $\circ$  Non-equivalent Groups Design
    - Regression-Discontinuity Design
  - Other Quasi-Experimental Design
- Relationships of Pre-Post Designs
- Formulation of the Designs
- Modification & Experimentation
- Analysis
  - Conclusion Validity
  - Threats to Validity
    - Validity Improvements
  - Statistical Control
  - Data Preparation
  - Descriptive Statistics
     Orrelation
    - Inferential Statistics
    - o T-Test
    - o Indicator Variables
    - o General Linear Model
    - Post-test-Only Analysis
    - Factorial Design Analysis
    - Randomized Block Analysis
    - Analysis of Covariance
    - Non-equivalent Group Analysis
    - Regression-Discontinuity Analysis
    - Regression Displacement Analysis

### Appendix 1 : Regional Report country coverage

Europe

### Canada & USA

Canada United States

#### Central America

Antigua and Barbuda\* Aruba Bahamas **Barbados** Belize Bermuda\* Cayman Islands\* Costa Rica Cuba Dominica **Dominican Republic** El Salvador Grenada\* Guadeloupe Guatemala Haiti Honduras Jamaica Martinique Mexico **Netherlands Antilles** Nicaragua Panama Puerto Rico Saint Kitts and Nevis\* Saint Lucia\* Saint Vincent Grenadines\* Trinidad and Tobago US Virgin Islands\*

### South America

Argentina Bolivia Brazil Chile Colombia Ecuador French Guiana Guyana Paraguay Peru Suriname Uruguay Venezuela

Albania Andorra\* Armenia Austria **Belarus** Belgium Bosnia + Herzegovina Bulgaria Croatia Cyprus Czech Republic Denmark Finland France Eire Estonia Georgia Germany Greece Greenland\* Hungary Iceland Italy Latvia Liechtenstein\* Lithuania Luxembourg Macedonia Malta\* Moldova **Montenegro Netherlands** Norway Poland Portugal Romania Serbia\* Slovakia Slovenia Spain Sweden Switzerland United Kingdom Ukraine

#### Eurasia

<u>Kazakhstan</u> <u>Kyrgyzstan</u> <u>Russia</u> <u>Uzbekistan</u>

### Middle East

Afghanistan\* Azerbaijan **Bahrain** Iran Iraq Israel Jordan Kuwait Lebanon Oman Pakistan Qatar Saudi Arabia Syria Tajikistan Turkey Turkmenistan **United Arab Emirates** Yemen\*

### Asia

Bangladesh Brunei\* Burma<sup>\*</sup> Cambodia China India Indonesia Japan Laos Malaysia Mongolia\* Nepal\* North Korea\* **Philippines** Singapore South Korea Sri Lanka Taiwan Thailand Vietnam

### Oceania

Australia Fiji Islands\* French Polynesia\* Kiribati\* Micronesia\* New Caledonia\* New Zealand Papua New Guinea

#### Africa Algeria Angola Benin\* Botswana **Burkina Faso\*** Burundi\* Cameroon Cape Verde\* Cen African Rep\* Chad\* Cote d'Ivoire Democratic Republic Congo\* Djibouti\* Egypt Equatorial Guinea\* Eritrea <u>Ethiopia</u> Gabon Gambia Ghana Guinea Guinea-Bissau Kenva Lesotho Liberia <u>Libya</u> Madagascar Malawi Mali\* Mauritania\* Morocco Mozambique Namibia Niger\* Nigeria Republic Congo\* Rwanda\* S Tome Principe\* Senegal Seychelles\* Sierra Leone Somalia\* South Africa Sudan\* Swaziland Tanzania Tunisia Uganda Zambia Zimbabwe

The countries marked \* indicate a data caveat due to local survey conditions.

### Appendix 2 : About the After-Sales Service

The DataGroup / Data Institute After-Sales Service are an independent unit which provides support to DataGroup / Data Institute users. The After-Sales Service is a stand-alone unit which is not connected to any particular Distributor, Reseller or Retailer.

Support is provided on a contractual basis to Account Holders; and on an Ad Hoc basis to retail & non-account users.

### **Database specificity**

The After-Sales Service can only provide support for the specific database(s) licenced to the user. We cannot generally provide data from unrelated databases, unless there is a specific agreement for this.

#### Costs

The current cost is \$95 per hour; this includes all researchers / computer / database access costs. This costing is based on work which is scheduled at off-peak times.

#### **Delivery**

We normally seek to fulfil orders in 7-14 days. For more urgent After-Sales Service work the costs depend on the client's time frame and the availability of our researchers.

#### **Telephone Support**

Account Holders receive telephone support via their Account Manager. We are unable to offer telephone support to Ad Hoc or retail clients unless there is a specific agreement for this.

#### **Online Support**

Account Holders receive online support via their Account Manager. We are able to offer online support to Ad Hoc or retail clients by specific agreement for this.

#### **Quotations**

Client will usually be provided with a formal proposal and quotation for After-Sales Service work. This will underline the work which is to be provided and the cost of that work.

### How to order After-Sales Services

The After-Sales Service is most effective if users plan their orders sequentially, i.e. extract the basic data which will then lead to more complex data or correlations. This also helps to reduce costs as the use of automated processing & standard data formats are always less expensive to produce than Ad Hoc work.

#### **Modular research**

Once the After-Sales Service understands the general data requirements they will send the Client a Modular Proposal as a Word document. The Client can then select the Parts required, and amend or modify the information objectives.

The best way to organise the ordering of data is as follows:-

- 1 Additional Market Research Data
- 2 Distribution Channels & End Users
- 3 Survey Data
- 4 Corporate Data
- **5** Additional Requirements

Once a client has specified exactly what data is needed, and that specification is available, then the After-Sales Service will produce a written quotation of cost and delivery time.

### **Database Compatibility**

The increased use of Database Management Systems, Business Planning and Control Systems, Enterprise Resource Planning, Management Information Systems, and other tools amongst management professionals has produced a critical need for the harmonisation of data across various software applications and systems platforms. The After-Sales Service ensures that its output, where required, will be fully compatible with every product and database.

For this reason all the databases use harmonised database and data sets; thereby users can obtain any database from any of the publishers, for any of their brands, with the assurance that these databases are fully compatible and can be used in conjunction with one another and the various platforms, operating systems and software.



The Data Institute has, since 2007, undertaken the harmonisation and convergence of the database specifications and definitions of the various database providers. This is to allow users a uniform and standardised reference to use with their planning and forecasting; and to allow cross-database functionality.

The data sets, modules and standards shown are now fully harmonised and standardised to allow data and software interflow and cross-platform usage of the databases. Users may obtain older data dictionaries and standards, and/or data sets and data dictionaries for their own national standards. The standard product and market definitions have been harmonised and are provided (in the standard database products supplied), often as the NAICS classifications. Users wishing to remain with the previous SIC classifications may obtain these databases under that classification system. Users requiring other (U.N., European, Japanese, et cetera) classification definitions and norms may obtain those as necessary. Accounting standards are also harmonised according to the U.S. regulatory norms; however other norms are available. Data dictionary and data definition bridges and converters are available to allow users to update or standardise their databases. The Data Institute has undertaken to maintain support for the older data dictionary standards and definitions until 2025; however users are urged to update at their earliest convenience.



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