



[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table & Chart 5](#)

[Sample Profile, Table & Forecast 6](#)

[Order Form 7](#)

[About Freedonia, Custom Research, Related Studies, Corporate Use License 8](#)

World Cement

Industry Study with Forecasts for **2012 & 2017**

Study #2325 | April 2008 | \$5800 | 435 pages

www.freedoniagroup.com



The Freedonia Group

767 Beta Drive

Cleveland, OH • 44143-2326 • USA

Toll Free US Tel: 800.927.5900 or +1 440.684.9600

Fax: +1 440.646.0484

E-mail: info@freedoniagroup.com

Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
World Economic Overview	5
Recent Economic Performance	5
World Economic Outlook	7
World Demographic Overview	11
Population	11
Urban Population	12
World Construction Outlook	14
Nonbuilding Construction	19
Nonresidential Building	21
Residential Building	22
Pricing Patterns	24
Technology Trends	27
Legal & Regulatory Environment	29

WORLD SUPPLY & DEMAND

General	33
World Cement Markets	34
Regional Demand Dynamics	34
Demand by Type	39
Portland	41
Blended	43
Other	45
Demand by Market	47
Ready-Mix Concrete	49
Construction Contractors	51
Consumer	53
Concrete Products	55
Other	57
World Cement Production	59
International Trade Flows	62

NORTH AMERICA

Overview	65
Cement Supply & Demand	67
United States	69
Canada	75
Mexico	80

WESTERN EUROPE

Overview	86
Cement Supply & Demand	88
Spain	91
Italy	96
Germany	101
France	106
Other Western Europe	111
United Kingdom	118
Greece	119
Portugal	120
Belgium	121
Netherlands	122
Austria	123

Ireland	124
All Other	125

ASIA/PACIFIC

Overview	126
Cement Supply & Demand	129
China	132
India	140
Japan	144
South Korea	149
Vietnam	154
Indonesia	159
Thailand	164
Other Asia/Pacific	169
Pakistan	176
Malaysia	177
Taiwan	178
Philippines	179
Australia	180
All Other	181

OTHER REGIONS

Latin America	183
Overview	183
Cement Supply & Demand	185
Brazil	188
Other Latin America	193
Argentina	199
Colombia	201
Peru	202
Venezuela	202
Chile	204
All Other	205
Eastern Europe	206
Overview	206
Cement Supply & Demand	208
Russia	210
Other Eastern Europe	215
Poland	221
Ukraine	222
Romania	223
Czech Republic	224
All Other	225
Africa/Mideast	226
Overview	226
Cement Supply & Demand	229
Turkey	231
Iran	236
Egypt	241
Saudi Arabia	246
Other Africa/Mideast	251
United Arab Emirates	258
Algeria	259
South Africa	260
Nigeria	261
Morocco	262
All Other	263

INDUSTRY STRUCTURE

General	265
Industry Composition	266
Market Share	267
Lafarge	268
Holcim	269
CEMEX	269
HeidelbergCement	270
Italcementi	270
Other Leading Suppliers	270
Product Development & Manufacturing	271
Marketing & Distribution	273
Cooperative Agreements	274
Financial Requirements	281
Mergers & Acquisitions	282

COMPANY PROFILES

ACC Limited	290
Ambuja Cements	293
Anhui Conch Cement	295
Ash Grove Cement	297
Asia Cement	299
Boral Limited	301
Buzzi Unicem	303
Camargo Correa	308
Cementir Holdings	309
Cementos Argos	313
CEMEX SAB	315
Cimentos de Portugal	325
CRH plc	330
Eagle Materials	334
Eurocement Group	336
Fars & Khuzestan Cement	337
Fomentos de Construcciones y Contratas	338
Grasim Industries	342
HeidelbergCement AG	345
Holcim Limited	358
Hyundai Cement	372
Italcementi SpA	373
Jinan Sunnsy	378
Lafarge SA	380
Lucky Cement	396
Mitsubishi Materials	397
Nesher Israel Cement	400
OYAK Cement	401
Pretoria Portland Cement	402
PT Semen Gresik	403
Saudi Cement	405
Siam Cement	406
Siam City Cement	408
Ssangyong Cement Industrial	410
Sumitomo Osaka Cement	411
Taiheiyo Cement	413
Taiwan Cement	416
Texas Industries	419
Titan Cement	421
Tokuyama Corporation	424
Tong Yang Cement	425
Ube Industries	427
Vicat Group	430
Votorantim Group	433

List of Tables/Charts

EXECUTIVE SUMMARY

1 Summary Table 3

MARKET ENVIRONMENT

1 World Gross Domestic Product by Region.....10
 2 World Population by Region.....12
 3 World Urban Population by Region.....14
 4 World Construction Expenditures by Region..16
 Cht Relationship Between Cement Demand
 & Construction Expenditures, 2007.....18
 5 World Nonbuilding Construction
 Expenditures by Region.....20
 6 World Nonresidential Building Construction
 Expenditures by Region.....22
 7 World Residential Building Construction
 Expenditures by Region.....24
 8 World Cement Pricing27

WORLD SUPPLY & DEMAND

1 World Cement Demand by Region.....36
 Cht World Cement Demand by Region, 2007.....37
 Cht World Cement Demand -- Projected
 2007-2012 Annual Rate of Growth38
 2 World Cement Demand by Type.....40
 Cht World Cement Demand by Type.....40
 3 World Portland Cement Demand by Region...43
 4 World Blended Cement Demand by Region...45
 5 World Demand for Other Cement by Region ..47
 6 World Cement Demand by Market.....48
 Cht World Cement Demand by Market, 200749
 7 World Ready-Mix Concrete Demand
 for Cement by Region.....51
 8 World Construction Contractor Cement
 Demand by Region.....53
 9 World Consumer Demand
 for Cement by Region.....55
 10 World Concrete Product Demand
 for Cement by Region.....57
 11 World Demand for Cement
 in Other Markets by Region.....59
 12 World Cement Production by Region.....61
 Cht World Cement Production by Region, 2007 ...62
 13 World Cement Net Exports by Region.....64

NORTH AMERICA

1 North America -- Key Indicators
 for Cement Demand66
 2 North America -- Cement Supply & Demand..69
 3 United States -- Key Indicators
 for Cement Demand71
 4 United States -- Cement Supply & Demand...75
 5 Canada -- Key Indicators
 for Cement Demand77
 6 Canada -- Cement Supply & Demand.....80

7 Mexico -- Key Indicators
 for Cement Demand82
 8 Mexico -- Cement Supply & Demand85

WESTERN EUROPE

1 Western Europe -- Key Indicators
 for Cement Demand88
 2 Western Europe -- Cement
 Supply & Demand91
 3 Spain -- Key Indicators for Cement Demand .93
 4 Spain -- Cement Supply & Demand.....96
 5 Italy -- Key Indicators for Cement Demand...98
 6 Italy -- Cement Supply & Demand.....101
 7 Germany -- Key Indicators
 for Cement Demand103
 8 Germany -- Cement Supply & Demand.....106
 9 France -- Key Indicators
 for Cement Demand108
 10 France -- Cement Supply & Demand.....111
 11 Other Western Europe -- Key Indicators
 for Cement Demand113
 12 Other Western Europe -- Cement
 Supply & Demand115
 13 Other Western Europe -- Cement
 Supply & Demand by Country117

ASIA/PACIFIC

1 Asia/Pacific -- Key Indicators
 for Cement Demand128
 2 Asia/Pacific -- Cement Supply & Demand ...132
 3 China -- Key Indicators
 for Cement Demand135
 4 China -- Cement Supply & Demand.....139
 5 India -- Key Indicators
 for Cement Demand141
 6 India -- Cement Supply & Demand144
 7 Japan -- Key Indicators
 for Cement Demand146
 8 Japan -- Cement Supply & Demand149
 9 South Korea -- Key Indicators
 for Cement Demand151
 10 South Korea -- Cement Supply & Demand...154
 11 Vietnam -- Key Indicators
 for Cement Demand156
 12 Vietnam -- Cement Supply & Demand159
 13 Indonesia -- Key Indicators
 for Cement Demand161
 14 Indonesia -- Cement Supply & Demand.....164
 15 Thailand -- Key Indicators
 for Cement Demand166
 16 Thailand -- Cement Supply & Demand.....169
 17 Other Asia/Pacific -- Key Indicators
 for Cement Demand171
 18 Other Asia/Pacific -- Cement
 Supply & Demand174
 19 Other Asia/Pacific -- Cement
 Supply & Demand by Country175

OTHER REGIONS

1 Latin America -- Key Indicators
 for Cement Demand185
 2 Latin America -- Cement
 Supply & Demand188
 3 Brazil -- Key Indicators
 for Cement Demand190
 4 Brazil -- Cement Supply & Demand.....193
 5 Other Latin America -- Key Indicators
 for Cement Demand195
 6 Other Latin America -- Cement
 Supply & Demand197
 7 Other Latin America -- Cement
 Supply & Demand by Country199
 8 Eastern Europe -- Key Indicators
 for Cement Demand207
 9 Eastern Europe -- Cement
 Supply & Demand210
 10 Russia -- Key Indicators
 for Cement Demand212
 11 Russia -- Cement Supply & Demand.....215
 12 Other Eastern Europe -- Key Indicators
 for Cement Demand217
 13 Other Eastern Europe -- Cement
 Supply & Demand219
 14 Other Eastern Europe -- Cement
 Supply & Demand by Country221
 15 Africa/Mideast -- Key Indicators
 for Cement Demand228
 16 Africa/Mideast -- Cement
 Supply & Demand231
 17 Turkey -- Key Indicators
 for Cement Demand233
 18 Turkey -- Cement Supply & Demand.....236
 19 Iran -- Key Indicators for Cement Demand .238
 20 Iran -- Cement Supply & Demand.....241
 21 Egypt -- Key Indicators
 for Cement Demand243
 22 Egypt -- Cement Supply & Demand.....246
 23 Saudi Arabia -- Key Indicators
 for Cement Demand248
 24 Saudi Arabia -- Cement Supply & Demand ..251
 25 Other Africa/Mideast -- Key Indicators
 for Cement Demand253
 26 Other Africa/Mideast -- Cement
 Supply & Demand256
 27 Other Africa/Mideast -- Cement
 Supply & Demand by Country257

INDUSTRY STRUCTURE

Cht World Cement Market Share
 by Company, 2007268
 1 Selected Cooperative Agreements275
 2 Selected Acquisitions & Divestitures284

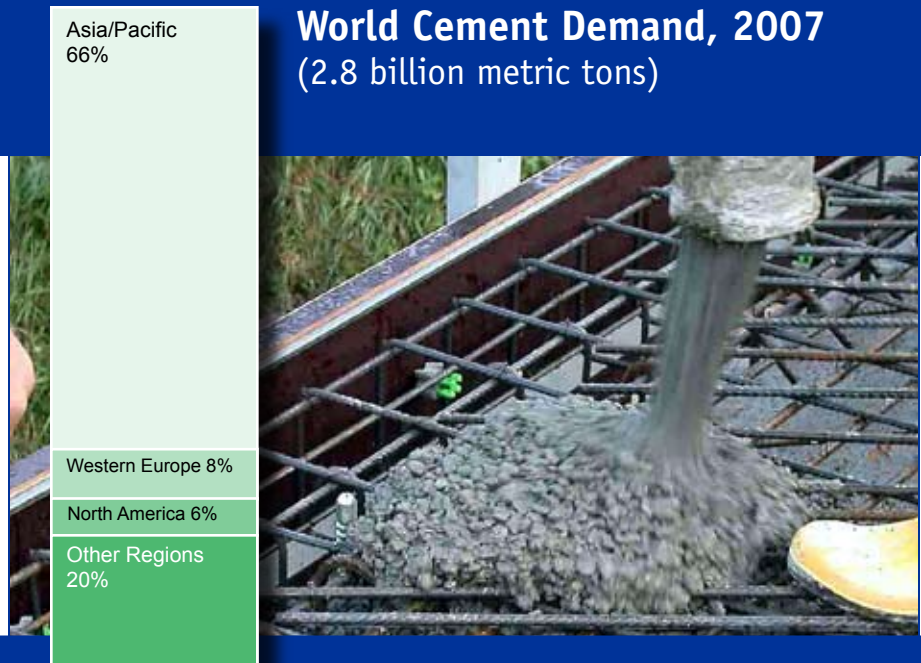
Gains in cement demand will be driven by strong increases in cement consumption in the developing countries of the world, and a rebound in cement demand in industrialized markets.

Global demand to grow at a 5.3% annual rate

World demand for cement is forecast to grow 5.3 percent per year to 3.6 billion metric tons in 2012. Gains will be driven by strong increases in cement consumption in the developing countries of the world, fueled by rising income levels and a focus on infrastructure development. Additionally, a rebound in cement demand in industrialized markets such as the US, Japan and Germany will further boost advances. Gains in cement demand will slow considerably, however, from the 2002-2007 period, which was characterized by double-digit increases in demand in China, the primary driver of the world cement industry. The rate of growth in China will moderate considerably through 2012, reflecting a slowdown in construction activity, but remain above the world average. Cement demand in India (a distant second behind first-place China) will climb at the fastest rate of any major country. Although comparatively small, cement demand in Indonesia, Malaysia, Nigeria and Vietnam will grow over seven percent annually.

In the developed areas of the US, Japan and Western Europe, cement sales increases will lag the global average, although improvement over the 2002-2007 period is expected. In the US, for example, the market will benefit from a recovery in residential building activity, as well as strong government spending on highway and road construction. In Western Europe, a rebound in construction activity will benefit cement markets

World Cement Demand, 2007 (2.8 billion metric tons)



in countries such as Germany and Portugal. A pickup in construction spending in Japan following an extended period of decline will help bolster overall cement market growth.

Ready-mix concrete to be fastest growing market

Demand for straight portland cement, which currently accounts for 63 percent of all cement sales worldwide, will be spurred by increases in global construction spending and further advances in manufacturing technology. However, sales of blended cements will climb at a faster pace through 2012, driven by their relatively low cost and favorable environmental profile. Cement firms are increas-

ing the use of cementitious materials such as fly ash and blast furnace slag in their products, which reduces carbon dioxide emissions from the production of portland cement clinker. Ready-mix concrete is expected to be the fastest growing market through 2012, increasing its position as the largest outlet for cement. Ready-mix concrete companies account for a comparatively small but rising share of total cement demand in a number of fast-growing developing countries, where large-scale construction projects will require significant amounts of ready-mix concrete. Consumer demand for cement will also expand at a healthy pace, stimulated by overall market increases in developing areas, where consumer sales can claim over half of cement demand.

Copyright 2008 The Freedonia Group, Inc.

[Click here to purchase online](#)

Sample Text, Table & Chart

ASIA/PACIFIC

India: Cement Supply & Demand

Demand for cement in India totaled 154 million metric tons in 2007, representing the second largest market in the world behind China. Sales gains in India have exceeded global growth over the past decade, rising from 1.97 million metric tons in 1997 to 154 million metric tons in 2007. Cement demand in the country is expected to continue to grow in both industrialization-related and consumer-based activity, attributable in large part to the use of significant foreign investments and the use of modern construction techniques that have helped bolster overall demand. The consumer market accounted for more than 60 percent of total cement product sales in 2007. The construction contractor and ready-mix concrete markets are the next largest, followed by ready-mix concrete applications.

**SAMPLE
TEXT**

India is also the second largest producer of cement in the world, behind China, with 2007 industry output of 160 million metric tons. Like China, India is a net exporter of cement, maintaining a trade surplus equivalent to four percent of domestic production in 2007. Nepal, South Africa, Sri Lanka and the United Arab Emirates are among the biggest export markets for Indian cement. India's net exports have risen over the decade from 1997 to 2007, driven primarily by strong demand for cement in coastal Middle Eastern countries such as Kuwait, Yemen and the UAE.

The market for cement in India is projected to rise at an 8.6 percent annual pace through 2012 to 233 million metric tons, among the fastest growth rates in the world, accelerating from the 2002-2007 period. Product demand will be spurred by increasing urbanization, further growth in industrialization-related construction spending and ongoing government efforts to expand and upgrade the country's physical infrastructure. For example, the eleventh Five-Year Plan of India allocates

141

Copyright 2008 The Freedonia Group, Inc.

TABLE VI-5

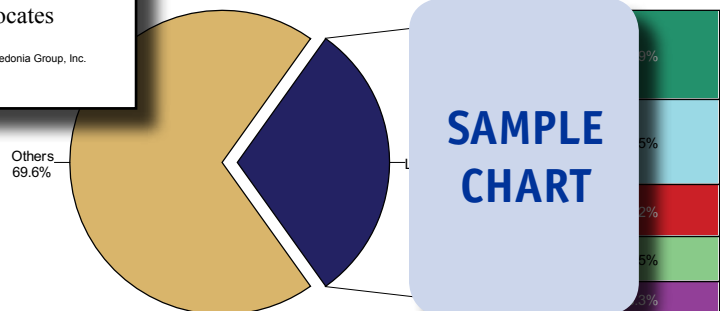
INDIA -- KEY INDICATORS FOR CEMENT DEMAND

Item	1997	2002	2007	2012	2017
Population (million persons)	851	1015	1100	1211	1293
per capita GDP	100	150	200	250	300
Gross Domestic Product (bil 2006\$)	150	250	350	450	550
% construction	3	3	3	3	3
Construction Expenditures (bil 2006\$)	5	8	12	16	20
Nonbuilding	1	2	3	4	5
Nonresidential Buildings	1	2	3	4	5
Residential Buildings	1	2	3	4	5
kg cement/capita	3	4	5	6	7
kg cement/000\$ GDP	9	10	11	12	13
kg cement/000\$ construction	2	2	2	2	2
Cement Demand (mil metric tons)	10	15	20	25	30
% India	8	8	8	8	8
Asia/Pacific Cement (mil m tons)	904.4	1123.0	1829.0	2445.0	3140.0

**SAMPLE
TABLE**

CHART VIII-1

CEMENT MARKET SHARE BY COMPANY, 2007 (\$168.5 billion)



**SAMPLE
CHART**

Sample Profile, Table & Forecast

COMPANY PROFILES

Pretoria Portland Cement Company Limited

PPC Building
 180 Katherine
 Barlow Park
 South Africa
 27-11-386-9
<http://www.ppc.co.za>

Revenues: \$
 Employment:

Key Products: general-purpose and rapid-hardening portland cement, fly ash cement, cementitious mortars and other cement-based building materials, and clinker

Pretoria Portland Cement (PPC) is a leading supplier of cement and construction materials in South Africa. Prior to July 2007, the Company was 72-percent owned by Barloworld Limited (South Africa), a holding company with businesses in the construction, paint and coating, and recreational vehicle industries. In July 2007, Barloworld sold its interest in PPC back to the Company. PPC operates in three segments: Cement, Lime and Aggregates.

The Company participates in the world cement industry through the Cement segment, which operates as PPC Cement (South Africa), a wholly owned subsidiary. PPC Cement had revenues of \$668 million in FY 2007, of which South Africa accounted for \$628 million and other African countries for \$39 million. Types of cement made by the company include SUREBUILD and OPC general-purpose Type I portland, UNICEM general-purpose Type II portland, RAPO rapid-hardening portland and BOTCEM fly ash. In addition, PPC Cement manufactures cementitious mortars and other cement-based building

402

Copyright 2008 The Freedonia Group, Inc.

**SAMPLE
PROFILE**

TABLE VI-6

INDIA -- CEMENT SUPPLY & DEMAND (million metric tons)

Item	1997	2002	2007	2012	2017
Construction Expenditures (bil 2006\$) 1000000	100.0	110.0	100.0	237.0	243.0
kg cement/000\$ construction	100.0	110.0	100.0	237.0	243.0
Cement Demand	100.0	110.0	100.0	237.0	243.0
By Type:					
Portland	100.0	110.0	100.0	237.0	243.0
Blended	100.0	110.0	100.0	237.0	243.0
Other	100.0	110.0	100.0	237.0	243.0
By Market:					
Ready-Mix Concrete	100.0	110.0	100.0	237.0	243.0
Construction Contractors	100.0	110.0	100.0	237.0	243.0
Consumer	100.0	110.0	100.0	237.0	243.0
Concrete Products	100.0	110.0	100.0	237.0	243.0
Other	100.0	110.0	100.0	237.0	243.0
net exports	100.0	110.0	100.0	237.0	243.0
Cement Production	100.0	110.0	100.0	237.0	243.0

**SAMPLE
TABLE**

“Cement production by plants in India is expected to increase 8.2 percent per year to 237 million metric tons in 2012, trailing growth in local demand. Industry output will be driven by an expansion in the nation’s production capabilities to serve the rapidly growing cement market in India. For example, Grasim Industries is planning a series of capacity expansions by 2010, including new plants in Kotputli, Rajasthan and Tadpatri, Andhra Pradesh; as well as a new cement production line at its Shambhupura, Rajasthan facility and an expansion of the company’s plant in Pipavav, Gujarat. However, net exports in India are expected to ...”
 --Section VI, pg. 143

OTHER STUDIES

Construction Outlook in China

This study analyzes the outlook for construction in China. It presents historical expenditures data for the years 1997, 2002 and 2007 and forecasts for 2012 and 2017 by construction market (residential building, nonresidential building, nonbuilding); application (new, building additions and alterations, maintenance and repair); and by Chinese geographic region. The study also considers market environment factors, details industry structure, evaluates company market share and profiles major contractors.

#2356 06/2008 \$5100

Brick & Block

The US market for brick and block is analyzed in this study. It presents historical demand data (1997, 2002, 2007) and forecasts for 2012 and 2017 by product (e.g., common, glazed and other clay bricks; structural and decorative concrete block; concrete pavers; concrete brick); market (residential, nonresidential, nonbuilding); application (e.g., siding, structural, chimneywork, fencing); and US region. The study also considers market environment factors, evaluates company market share and profiles major players.

#2331 05/2008 \$4500

World Drywall & Building Plasters

Global demand for drywall will grow 4.5% annually through 2012. Prospects in the Asia/Pacific region will be particularly robust, while sales growth in the dominant North American market will significantly lag all other regions. Drywall based on synthetic gypsum will account for an increasing share of demand. This study analyzes the 7.8 billion square meter world drywall industry, with forecasts for 2012 and 2017 by product, market, world region and for 14 countries. It also evaluates market share and profiles major players.

#2335 04/2008 \$5500

World Construction Aggregates

Global construction aggregates demand will rise 4.7% annually through 2011. India, China, Indonesia and Thailand will lead gains. Infrastructure repair and maintenance will drive demand in developed areas. Land use concerns will benefit aggregates made of recycled and waste materials. This study analyzes the \$139 billion world construction aggregates industry, with forecasts for 2011 and 2016 by type, market, application, world region and for 23 countries. It also evaluates market share and profiles major players.

#2272 12/2007 \$5200

World Asphalt

Global demand for asphalt will reach 123 million metric tons in 2011. Most developed areas will register relatively slow gains while developing countries post much more robust advances. Gains in China and India, however, are decelerating. Paving products will remain dominant and outpace roofing and other asphalt products. This study analyzes the 661 million barrel world asphalt industry, with forecasts for 2011 and 2016 by product, world region and 20 countries. It also details market share and profiles major firms.

#2274 01/2008 \$5500

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

- Chemicals • Plastics • Life Sciences • Packaging • Building Materials • Security & Electronics • Industrial Components & Equipment • Automotive & Transportation Equipment • Household Goods • Energy/Power Equipment

[Click here to learn more about Freedonia](#)

Freedonia Custom Research

Freedonia Custom Research delivers the same high quality, thorough and unbiased assessment of an industry or market as an industry study. Since the research initiative is based upon a company's specific needs, companies harness Freedonia's research capabilities and resources to answer unique questions. When you leverage the results of a Freedonia Custom Research engagement, you are able to obtain important answers to specific questions and issues associated with: mergers and acquisitions, new product launches/development, geographic expansion, entry into new markets, strategic business planning, and investment and funding decisions.

Freedonia Custom Research is ideal for companies seeking to make a strategic difference in the status quo and focus on future business growth. Working side by side with clients, Freedonia's team is able to define a research project that is custom-tailored to answer specific questions and provide the basis from which a company can make informed business decisions.

[Click here to learn more about Custom Research](#)



[Click here for complete title list](#)

[Click here to visit freedoniagroup.com](http://www.freedoniagroup.com)