



*The **Markets and Profitability** program provides accurate data, insightful analysis and dependable forecasts of the profitability, competitive position and supply/demand trends for over 60 petroleum, gas, petrochemical, polymers, chemical intermediates and fertilizer products.*





The **Markets and Profitability** program tracks over 60 feedstocks, gas, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries.

## Markets

Market analysis is available through two report series:

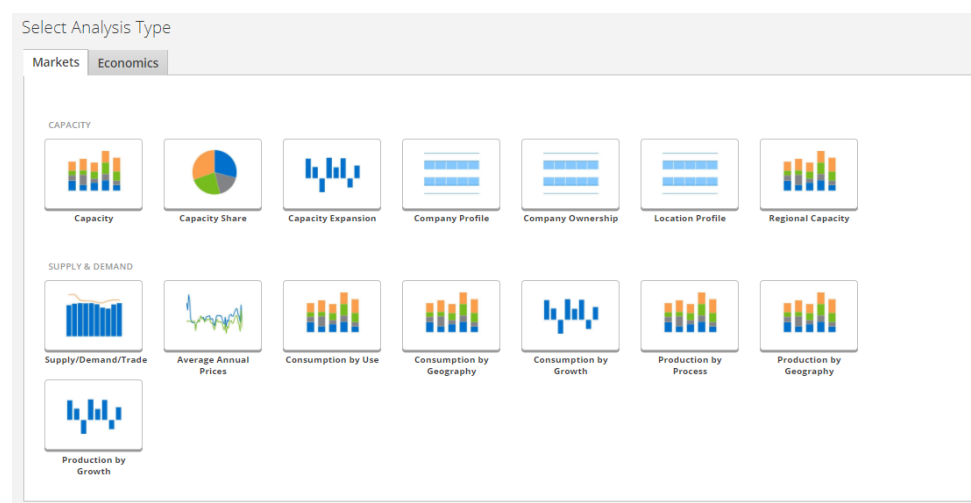
### Market Analytics

These detailed reports provide long term market forecasts to 2035 using Nexant's industry recognised Petrochemical Simulator. These reports identify the key issues shaping the industry, providing invaluable support for strategic decision making and business planning.

Analysis is segmented into three principle areas:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of economic activity and diverse end use applications across key consuming industry sectors.
- **Supply:** Identifies all producers, the capacity, location, and process of all current production assets, along with discussion regarding the status of new projects and capacity under construction.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2035 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilisation. The analysis provides a key insight into the relative strength of regional markets.

Nexant's Online Database provides a quick and easy way to access data from 2000 to 2035, with all results downloadable into Excel:



### Capacity

- Analysis is updated monthly

### Supply & Demand

- Analysis is updated annually on publication of the Market Dynamics report.

## Market Insights: NEW!

These new reports provide a comprehensive review of global industries focused by product and include:

- Discussion regarding key market drivers and constraints for each region, including: regulatory, environmental, consumer and technology trends
- Supply, demand trade for nine regions: North America, South America, Western Europe, Central Europe, Eastern Europe, Middle East, Africa, Asia Pacific, and China
- Forecast period: 5 years history and 5 years forecast
- Competitiveness analysis, including competitive landscape, who's who of suppliers and cost competitiveness
- Pricing snapshot for publication year with commentary regarding latest trends
- Strategic analysis



## Profitability

Profitability analysis is available for each key price setting region (Asia Pacific, Middle East, Western Europe and the United States) and presented in two report series

### Historic Profitability Analysis

The Quarterly Business Analysis reports provide a key insight into production economics for a broad range of commodity petrochemicals. The analysis presents a review of costs, prices and margins for typical production assets, providing a valuable view of regional and value chain competitiveness. A quarterly report provides insightful commentary to illustrate current trends, related to recent market developments. The accompanying database is updated monthly.

### Profitability (and Price) Forecast Analysis


Profitability Forecast Analysis provide long-term profitability and price projections to 2035 for the major price setting regions under three distinct crude oil scenarios. Nexant's robust price forecasting methodology consolidates the many price influences in petrochemical markets. The methodology has been enhanced over 40 years of industry observations and associated price sets are used extensively to support investment decisions in capital intensive assets with a long production life cycle.

Nexant's Online Database provides a quick and easy way to access data from 2000 to 2035, with all results downloadable into Excel:


Select Analysis Type

Markets


Economics




**Production Economics**



**Q on Q Profitability**



**Plant Cost**



**Average Quarterly Prices**

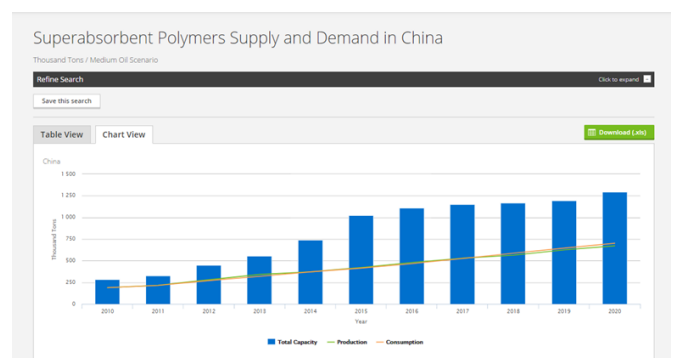
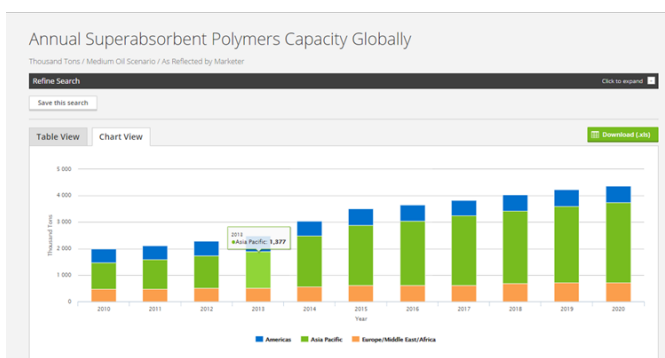
### Production Economics

- Models are reviewed annually and pricing data is updated monthly to generate a quarterly average
- Report includes Total Cash Cost and Margin Analysis

### Average Quarterly Prices

- Historic prices are updated monthly to generate the quarterly average
- Forecast prices are updated annually

## Sample Charts





## Product Scope

### Petrochemical Feedstocks and Refined Products

Naphtha  
Gasoline  
Gas Oil  
Residual Fuel Oil  
LPG  
Natural Gas  
iso-Butane  
*n*-Butane  
Raffinate-1  
Raffinate-2  
Raffinate-3  
Butane  
Crude Oil – Dubai  
Crude Oil – WTI  
Diesel  
Ethane  
Fuel Oil  
Fuel Oil – High Sulfur  
Fuel Oil – Low Sulfur  
iso-Butylene  
Kerosene  
Premium Gasoline  
Regular Unleaded Gasoline  
Propane  
Refinery Propylene

### Petrochemicals and Polymers

#### OLEFINS

Ethylene  
Propylene  
Butadiene  
Mixed C<sub>4</sub>s

#### AROMATICS

Reformate  
Pygas  
Benzene  
Toluene  
Mixed Xylenes  
Cyclohexane  
Ethylbenzene

#### POLYOLEFINS

Low Density Polyethylene (LDPE)  
Linear Low Density Polyethylene (LLDPE)  
High Density Polyethylene (HDPE)  
Polypropylene

#### BUTADIENE DERIVATIVES

Acrylonitrile Butadiene Styrene  
Styrene Butadiene Rubber  
Butadiene Rubber

#### PROPYLENE DERIVATIVES

Acrylic Acid  
Acrylonitrile  
Cumene  
Phenol  
Acetone  
Bisphenol-A  
Polycarbonate  
Propylene Oxide  
*n*-Butanol  
*i*-Butanol  
Ethylene Propylene Diene Monomer (EPDM)

#### POLYESTER INTERMEDIATES

*para*-Xylene  
*ortho*-Xylene  
Ethylene Oxide  
Mono-Ethylene Glycol  
Purified Terephthalic Acid  
Polyethylene Terephthalate

#### STYRENICS

Styrene  
Polystyrene  
Expandable Polystyrene

#### POLYURETHANE INTERMEDIATES

Aniline  
Methylene Diphenyl Diisocyanate  
Nitrobenzene  
Toluene Diphenyl Diisocyanate

#### VINYLS

Chlor-Alkali  
Vinyl Chloride Monomer  
Polyvinyl Chloride

### C1 Chemicals and Fertilizers

#### METHANOL AND DERIVATIVES

Acetic Acid  
Formaldehyde  
Methanol  
Methyl Tertiary Butyl Ether

#### FERTILIZERS

Ammonia  
Urea

Note: Markets and Profitability coverage varies by Product



## Geographic Scope

### Markets

#### Asia Pacific

Australia  
China  
India  
Indonesia  
Japan  
Malaysia  
New Zealand  
Philippines  
Singapore  
South Korea  
Taiwan  
Thailand  
Vietnam  
Other Asia

#### Middle East

Iran  
Iraq  
Israel  
Kuwait  
Qatar  
Saudi Arabia  
Turkey  
United Arab Emirates  
Other Middle East

#### Africa

Algeria  
Egypt  
Libya  
Nigeria  
South Africa  
Other Africa

#### North America

Canada  
Mexico  
United States

#### South America

Argentina  
Brazil  
Venezuela  
Other South America  
Central America and Caribbean

#### Western Europe

#### Central Europe

#### Eastern Europe

Russia  
Other Eastern Europe

### Profitability

China  
Middle East  
South East Asia  
United States  
Western Europe

## Why Subscribe?

Our Market and Profitability reports and Online Database will help subscribers to:

- Understand changing industry dynamics throughout value chains regarding supply, demand, profitability and pricing
- Evaluate market opportunities and challenges with long term forecasts to 2035
- Support planning and development of long term business strategies

### Subscription to Markets and Profitability includes:

- PDF reports including analysis and forecasts of the profitability, competitive position and supply/demand trends of global petroleum and petrochemical industry
- Access to the Online Database containing:
  - Up-to-date supply, demand and trade forecasts for over 60 products
  - Global capacity listings including process information and forecasts
  - Cost-of-production for over 50 chemicals and polymers (with over 500 models)
  - Pricing forecasts by key price setting region
- Support from our industry experts
- Subscriptions can be tailored, by region, product, or analysis, to meet your needs. Individual reports can also be purchased.

**Nexant Subscriptions and Reports** provide clients with comprehensive analytics, forecasts and insights for the chemicals, polymers, energy and cleantech industries. Using a combination of business and technical expertise, with deep and broad understanding of markets, technologies and economics, Nexant provides solutions that our clients have relied upon for over 50 years.



**Markets and Profitability** comprises the former Petroleum and Petrochemical Economics (PPE), PolyOlefins Planning Service (POPS), Strategic Business Analysis (SBA) and World Gas Analytics (WGAS) and provides market analysis and profitability and pricing analysis with long term forecasts.

Contact us at [Markets&Profitability@nexant.com](mailto:Markets&Profitability@nexant.com)



**Technology and Costs** comprises the Technoeconomics – Energy & Chemicals (TECH) program (formerly known as PERP), the Biorenewable Insights program (BI), and the new Cost Curve Analysis. These programs provide comparative economics of different process routes and technologies in various geographic regions.

Contact us at [Technology&Costs@nexant.com](mailto:Technology&Costs@nexant.com)



The **Special Reports** analyze issues of topical importance to the energy and chemicals industry. Each special report explores the subject matter in detail to provide an up-to-date and thorough understanding of the related issue allowing investment decisions and new business strategy to be formulated.

Contact us at [SpecialReports@nexant.com](mailto:SpecialReports@nexant.com)



Nexant serves its clients from over 30 offices located throughout the Americas, Europe, the Middle East, Africa and Asia.

#### **Corporate Headquarters**

Tel: +1 415 369 1000  
101 2nd St Suite 1000  
San Francisco  
CA 94105-3651  
USA

#### **Americas**

Tel: +1 914 609 0300  
44 S Broadway,  
4th Floor White Plains  
NY 10601-4425  
USA

#### **Europe, Middle East & Africa**

Tel: +44 20 7950 1600  
1 King's Arms Yard  
London EC2R 7AF  
United Kingdom

#### **Asia Pacific**

Tel: +662 793 4600  
22nd Floor, Rasa Tower I  
555 Phahonyothin Road  
Kwaeng Chatuchak  
Khet Chatuchak  
Bangkok 10900  
Thailand