

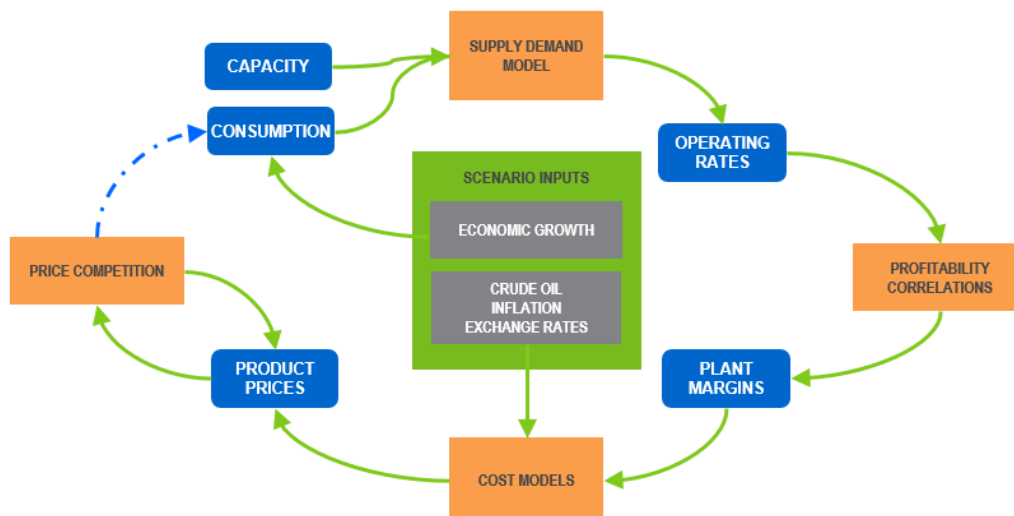


Petrochemical Simulator

The Petrochemical Simulator is our premium consulting and planning solution. Take full advantage of access to the most comprehensive range of petrochemical industry data ever available to better meet your project and business planning needs.

NexantECA's Petrochemical Simulator is the only fully-integrated, process-driven, global industry model to improve business planning and decision-making for the entire commodity petrochemical industry – from petrochemical producers, buyers and traders, to financial institutions, technology and logistics providers.

Data flow within the Petrochemical Simulator



Petrochemical Simulator - Meeting Your Needs

Clients use NexantECA's Petrochemical Simulator as an integrated planning system that helps align business strategy to petrochemical market developments.

- Optimising resource allocation in a globalising industry
- Planning in uncertain times and understanding risks to competitiveness
- Aligning business plans along and across value chains
- Creating a global outlook owned by your organisation

The Petrochemical Simulator provides fundamental analysis for business planning in areas such as investment analysis, purchasing strategy, cost benchmarking, technology development etc.

All of the above undertaken in the strictest confidence, with full access to comprehensive support as and when required.

Petrochemical Simulator - Benefits

The Petrochemical Simulator is a state of the art simulation model of the entire global petrochemical industry and market. The Petrochemical Simulator uses commodity theory and incorporates over 40 years of historical data and analysis within one proprietary forecasting environment to generate:

- Global supply, demand and trade balances
- Profitability, competitiveness and price projections
- Multi-scenario forecasts to cope with uncertainty
- Stress testing of business plans to optimise resource allocation

For more information contact us at Markets@NexantECA.com or visit www.NexantECA.com



Petrochemical Simulator

Petrochemical Simulator Analytics

Market Analytics

Analysis is segmented into three principle areas:

- Consumption: Assesses historic and forecast consumption of over 60 petrochemicals and polymers. Forecasts are based on projections of economic activity and diverse end-use applications across key consuming industry sectors.
- Supply: Over 1900 plants are currently included within the Petrochemical Simulator and monitored on a monthly basis. Each plant is identified by producer, capacity, location and process.
- Supply, Demand and Trade: Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilisation for forty countries.

Profitability and Cost Competitiveness

Profitability analysis is available for each key price setting region - Asia Pacific, Middle East, Western Europe and the United States.

Over 600 cost of production models are included within the Petrochemical Simulator. Analysis can provide costs, prices and margins for typical production assets, generating a view of regional and value chain competitiveness.

The Petrochemical Simulator can also generate long-term profitability and price projections to 2045 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.

Petrochemical Simulator License

Subscriptions to our innovative premium service, Petrochemical Simulator allows highly sophisticated analysis and delivers genuine insight into market and industry developments allowing clients to greatly improve their planning and risk management processes.

Multiple scenarios and stress tests are a "must have" in today's uncertain markets to understand the range of possible outcomes and their impact on an organisation's potential.

Time spent on business plans and investment analysis will significantly improve returns on capital expenditure and value obtained from existing assets.

Alternatively, why not use the forecasts based on NexantECA's comprehensive range of historic data and three forecast scenarios through a subscription to our Markets and Profitability program.



NexantECA 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, NexantECA provides solutions that our clients have relied upon for over 50 years.

The **Markets and Profitability** program tracks over 60 feedstocks, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries. The accompanying database, provides global analysis and forecasts in two major inter-related areas: **Markets and Profitability**.

NexantECA serves its clients from offices located throughout the Americas, Europe, the Middle East and Asia.

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