

Petrochemical Benchmarks & Price Forecasting

Explore the underlying energy and feedstock values, variable and fixed costs, and other production cost models. Discover the impact of inherent margin analysis on supply/demand balances and operating rates with recent market developments.

1. Price Definitions & Forecasting

Methodologies

- Short-term
- Medium-term
- Long-term

2. Short-term Forecasting Techniques

- Linear regression analysis method
- Other techniques (in brief)

*Case Study #1: Forecasting the next five months' prices (*selected petrochemical product, polypropylene in this case)*

3. Medium-Term Forecasting Techniques

- Integrated Case Study Introduction
- Production Cost Analysis
- Underlying energy and feedstock values
- Feedstock, variable, fixed costs, and co-product credits
- Alternative values
- Production cost models

Case Study #2: Cash Cost of Production (selected petrochemical product)*

- Historical Return on Investments

Case Study #3: Estimating

- Historical Return on Investments (ROI)
- Cost Curves Methodology
- Inherent Margin Analysis
- Supply/demand balances

Case Study #4a: Demand forecast for Year Y

- Impact of operating rates
- Market momentum & psychology

Case Study #4b: Global supply-demand-trade flow-operating rates planning for Year Y

4. Long-Term Forecasting Techniques

- Return on Investment

Case Study #4C: Forecast medium-/long-term ROI and prices.

- Diagnostic Checks
- Price ratios and spreads
- Regional relationships and arbitrage



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