



IHS Markit™

Chemical Competitive Company Analysis

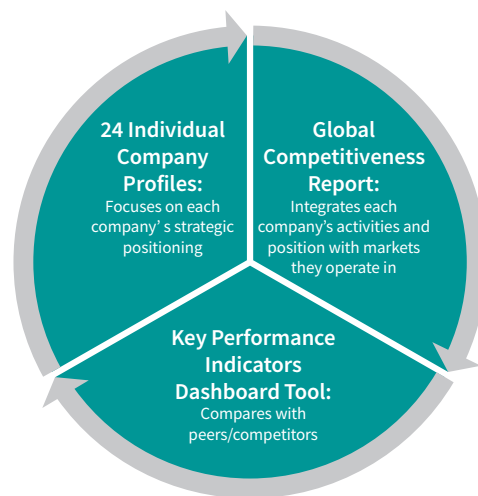
Comprehensive profiles, evaluation & critical
benchmarking metrics

What is IHS Markit Competitive Company Analysis?

IHS Markit Competitive Company Analysis (CCA) is a unique combination of in-depth analysis and data, which compares the strategic direction of the top chemical producers globally.

Each annual series of reports provides a 3D point view of the chemical industry to create a holistic point of view for effective decision making, based on the following attributes:

- Feedstock cost position
- Process efficiencies
- Technology position
- Product integration
- Geographic diversification
- Portfolio diversification
- Proximity to market



Company Reports

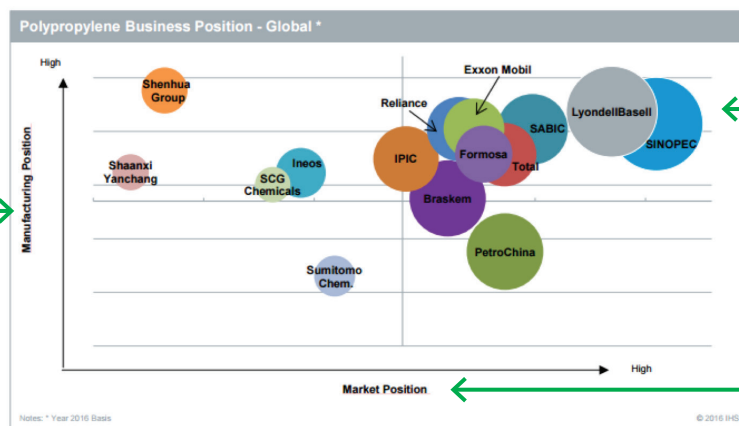
IHS Markit Competitive Company Analysis provides comprehensive coverage and evaluation of 24 of the largest global petrochemical producers:

North America	South America	Middle East	Europe	Asia
Chevron Phillips Chemical	Braskem	IPIC	BASF	CNPC
Dow		NPC-Iran	BP	Formosa Group
ExxonMobil Chemical		SABIC	ENI Spa	Mitsubishi Chemical
LyondellBasell		Saudi Aramco	Ineos	Petronas
Westlake			Royal Dutch/Shell	Reliance Industries
			Total	Siam Cement (SCG Chemicals)
				SINOPEC
				Sumitomo Chemical

Global Competitiveness Report

Gain a thorough understanding of competitors' operations, product integration, chemicals produced and strategic direction. GCR showcases the leading 15 producers per chemical product, based on capacity ranking, market position and manufacturing position.

manufacturing position - demonstrates scale of operations, feedstock cost position, transportation cost factor, average age of asset base, technology position, upstream and downstream integration, and announced capacity expansions/closures

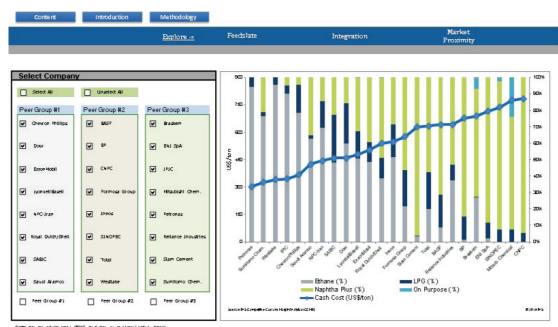


capacity ranking - indicated by the size of the bubble (small to large)

market position - based on global market share, geographic coverage, regional strength, sales position, and future growth prospects

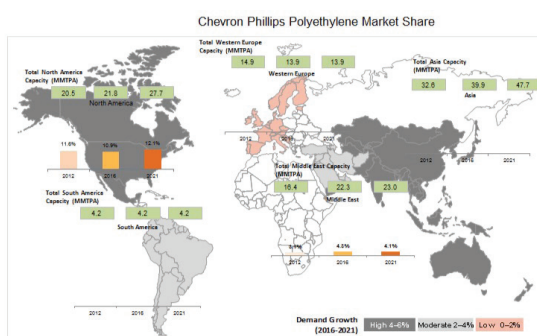
KPI Dashboard

This is an interactive tool which allows the benchmarking of each company's manufacturing position, a feature which on its own could potentially cost over \$45K



Ethylene cash cost curves - compare the raw materials mix for each company

Feedslate - assess the cost effectiveness of each company's operations over a 5 year period

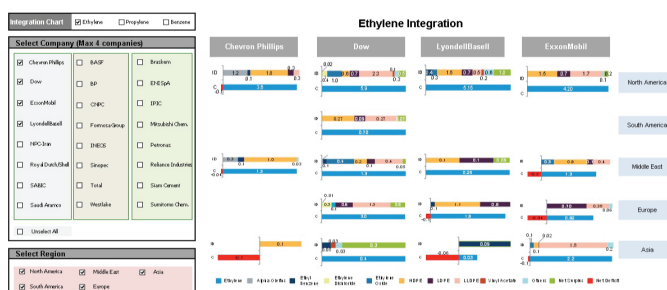


Market proximity - identify the location of production facilities in relation to growth markets

What sets us apart?

- **Concise format with actionable insights:** Delivered in a user friendly format, CCA is easy to consume. With tracking of 24 major chemical companies, you can focus on strengthening your long term corporate plan and growth strategies, trusting our dedication to providing independent competitive analysis and company benchmarking.
- **Backed by full IHS expertise:** Vital company analysis is based on insight and inputs from our global network of industry experts, integrated with data from our reliable pricing, supply/demand and cost databases. This powerful combination of data and expertise coupled with financial and operational data provides a unique competitive intelligence tool.
- **Inquiry Privileges:** Customers of the IHS Chemical Competitive Company Analysis receive reasonable access to our industry specialists for questions and discussions about the insight in the service.

Visit ww.ih.com/CCA to learn more



Product integration profile by region - shows the regional integration level of each company across the ethylene, propylene & benzene value chains

About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

Interested in learning more?

Visit www.ihsmarkit.com/ChemicalConsulting today to find out more information on how our solutions can help you.

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