



Chemical

Connect™ User Guide

2020

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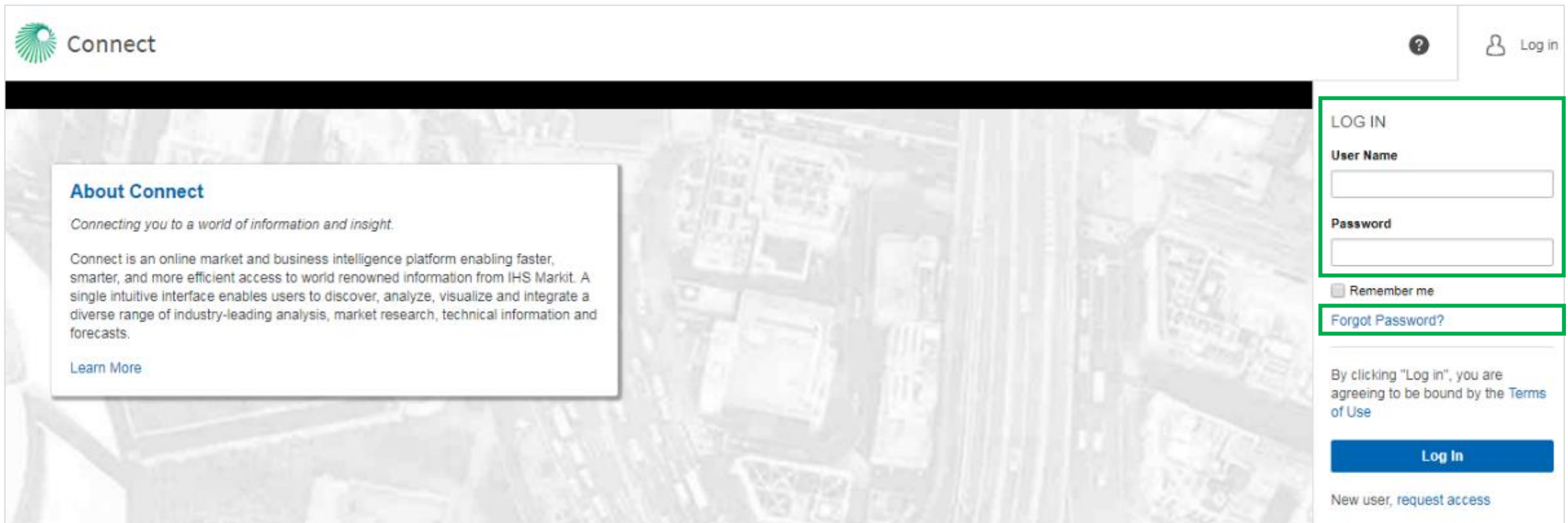
- [Connect Login Instructions](#)
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 - > [Chemical Price & Economics Data Browser](#)
 - > [Chemical Capacity Data Browser](#)
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Connect Login Instructions

Connect Login Instructions

Go to connect.ihsmarkit.com and log in with your Username and Password.

Click on 'Forgot Password?' to reset your password.



 Connect ? Log in

About Connect

Connecting you to a world of information and insight.

Connect is an online market and business intelligence platform enabling faster, smarter, and more efficient access to world renowned information from IHS Markit. A single intuitive interface enables users to discover, analyze, visualize and integrate a diverse range of industry-leading analysis, market research, technical information and forecasts.

[Learn More](#)

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

[New user, request access](#)

Connect New User Registration

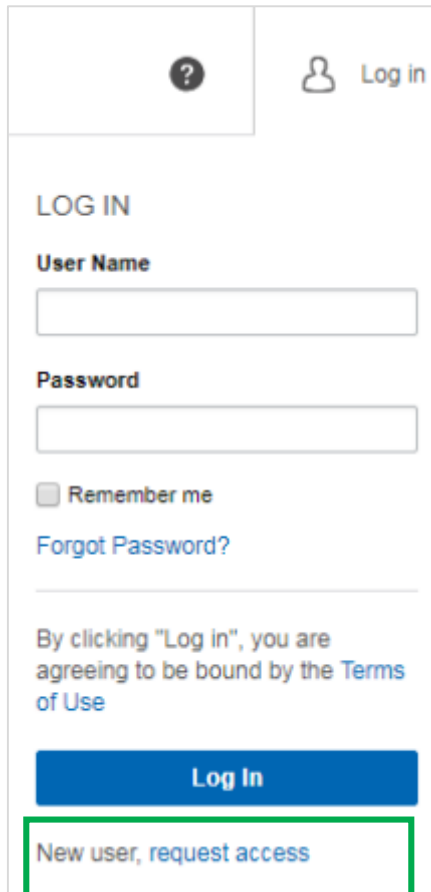
Go to connect.ihsmarkit.com and request access.



Follow 4 steps for Connect registration



Go to connect.ihsmarkit.com and login



? Log in

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

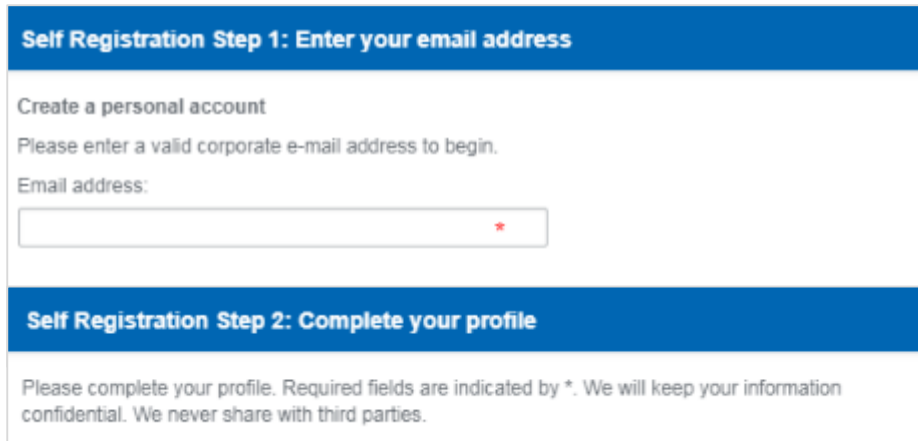
By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

New user, request access

1. Enter your corporate email address.
2. Complete your profile. (Enter Connect in the Product Used field)
3. Accept the terms of service.
4. Complete Your Registration

Once you are provided with access, you will receive an email confirmation from customercare@ihsmarkit.com with your login instructions.



Self Registration Step 1: Enter your email address

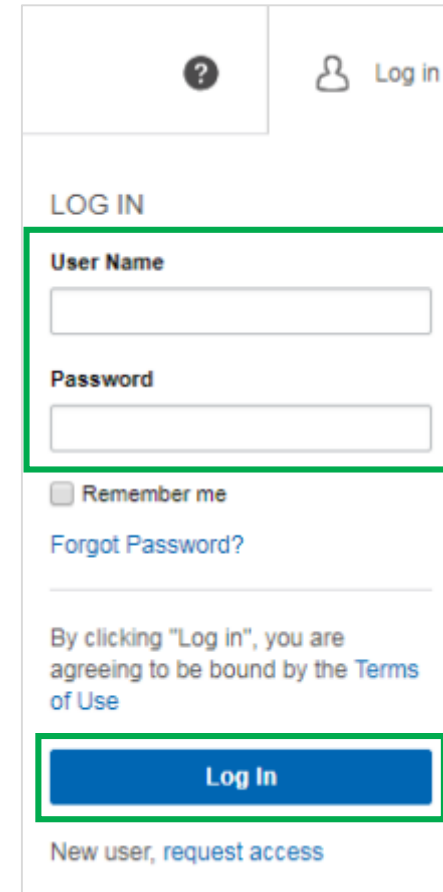
Create a personal account

Please enter a valid corporate e-mail address to begin.

Email address:

Self Registration Step 2: Complete your profile

Please complete your profile. Required fields are indicated by *. We will keep your information confidential. We never share with third parties.



? Log in

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

New user, request access

Chemical Menu

Chemical Menu Navigation

In Connect, hover over **Chemical** in the black menu bar to browse Chemical research and analysis.



Chemical Click to **navigate** to any chemical capability.

RESEARCH & DATA

- Market Reports & Analysis
 - Market Advisory Service
 - World Analysis
 - Chemical Economics Handbook (CEH)
 - Specialty Chemicals Update Program (SCUP)
 - Strategic Reports
- Chemical Home
- Headline Analysis & Daily Pricing

Technology & Cost Analytics

- Competitive Cost & Margin Analytics
- Process Economics Program (PEP)
- Process Economics (PEP Yearbook)
- Process Comparison & Cost Tracker

Company Strategies & Performance

- Directory of Chemical Producers

TOOLS

- Data Browser
 - Chemical Price & Economics
 - Chemical Capacity by Company
 - Chemical Capacity by Shareholder
 - Chemical Capacity Formatted Table
 - Aggregated Capacity by Geography
 - Chemical Supply & Demand
- Global Assets Dashboard
- Capacity Integration Table
- Capacity Ranking Table
- Formatted Supply/Demand - Quarterly
- Formatted Supply/Demand - Annual
- Plant Operating Schedules
- Chemical Owner Lookup

RELATED

- Conferences & Training Workshops
- Expert Insights & Thought Leadership
- Chemical Week

Quick access to relevant **Data Tools, Tables,** and other **Resources.**

Click to register for upcoming **conferences & training workshops**, to access a **complimentary publication**, featuring expert analysis of key issues shaping the Global Chemical and Energy industries or access **Chemical Week.**

RESEARCH BY CHEMICAL OR MARKET

Enter a **chemical or market** to navigate to dashboard page.

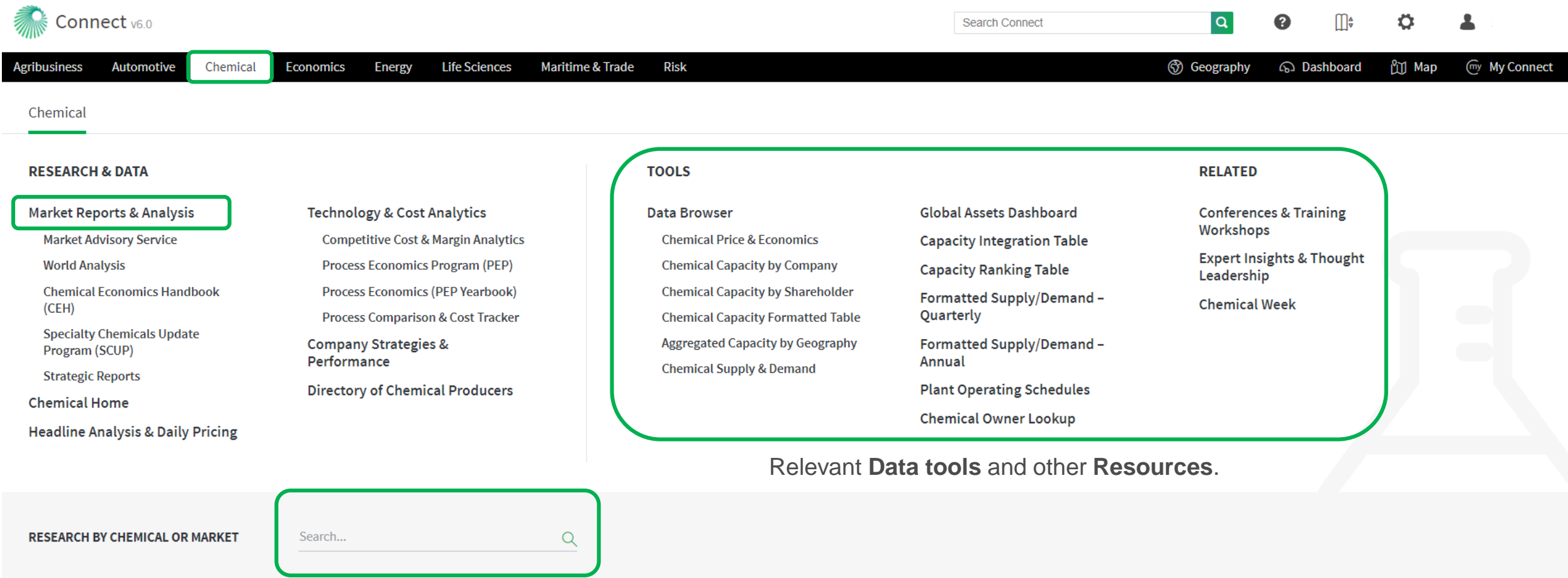
Menu options will appear based on the user's access or company subscription.

Market Reports & Analysis

Analysis of commodity and specialty markets

Market Reports & Analysis Menu Navigation

In Connect, hover over the **Chemical** menu > Click on **Market Report & Analysis** to see all Chemical reports.



The screenshot shows the IHS Markit Connect v6.0 interface. At the top, there is a navigation bar with categories: Agribusiness, Automotive, **Chemical** (highlighted with a green box), Economics, Energy, Life Sciences, Maritime & Trade, and Risk. To the right of the navigation bar are icons for Search Connect, Help, Dashboard, Map, and My Connect. Below the navigation bar, the 'Chemical' section is active, displaying a list of 'RESEARCH & DATA' items. The 'Market Reports & Analysis' item is highlighted with a green box. To the right, a 'TOOLS' section is highlighted with a green rounded rectangle, containing a list of data tools. Further right, a 'RELATED' section lists conferences and training workshops. At the bottom left, there is a search bar for 'RESEARCH BY CHEMICAL OR MARKET' with a green box around it.

RESEARCH & DATA

- Market Reports & Analysis**
 - Market Advisory Service
 - World Analysis
 - Chemical Economics Handbook (CEH)
 - Specialty Chemicals Update Program (SCUP)
 - Strategic Reports
- Chemical Home
- Headline Analysis & Daily Pricing

Technology & Cost Analytics

- Competitive Cost & Margin Analytics
- Process Economics Program (PEP)
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Company Strategies & Performance

- Directory of Chemical Producers

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RELATED

- Conferences & Training Workshops
- Expert Insights & Thought Leadership
- Chemical Week

RESEARCH BY CHEMICAL OR MARKET

Search...

Relevant **Data tools** and other **Resources**.

Enter a **chemical or market** to navigate to dashboard page.

Market Report & Analysis Page Navigation

Chemical Market & Industry Reports and Data are organized within **service tabs** to instantly narrow down your search.

[All Chemical](#) | [Chemical Market & Industry Reports](#) | [Technology & Cost Analytics](#) | [Chemical Company Strategies and Performance](#)

[All Market Report & Analysis 999+](#) | [Market Advisory Service 999+](#) | [World Analysis 210](#) | [Chemical Economics Handbook \(CEH\) 303](#) | [Specialty Chemicals Update Program \(SCUP\) 36](#) | [Strategic Reports 56](#)

Clear all

Refine results by:

Keyword(s)
 Chemical Product

Keyword

PUBLICATION:

- Market Advisory Services
 - Americas Chlor-Alkali Weekly
 - Americas Vinyl Weekly
 - Aromatics & Fibers PET Contract Price Update
 - Aromatics & Fibers PX/PTA Contract Price Update
 - Asia Aromatics
 - Asia C4 Olefins & Elastomers
 - Asia Chlor-Alkali Weekly
 - Asia Light Olefins
 - Asia Polyethylene
 - Asia Polypropylene
 - Asia Vinyl Weekly
 - Asia/Middle East/India Plastics & Polymers
 - Chemical Advisory Service
 - China Chlor-Alkali/PVC
 - China Chlor-Alkali/PVC (Chinese)
 - China Polyolefins (Chinese)
 - Daily Asia Aromatics
 - Daily Europe Aromatics
 - Daily North America Aromatics
 - Daily North America Olefins/Polyolefins
 - Economy and Energy
 - Europe Aromatics

Follow this

Title	Published ↓	Files
Daily Asia Aromatics - Report Issue 1432 Archive	28 Apr 2020	
Daily Europe Aromatics - Report Issue 3516 Archive	27 Apr 2020	
Asia C4 Olefins & Elastomers - Weekly Market Report Issue 622 Archive	27 Apr 2020	
Daily North America Aromatics - Report Issue 4218 Archive	27 Apr 2020	
Global Polyester Fibers & Feedstocks - Weekly Market Report (Chinese) Archive	27 Apr 2020	
North America Polypropylene - Weekly Market Report Issue 335 Archive	24 Apr 2020	
Global Engineering Resins - Monthly Market Report Issue 141 Archive	24 Apr 2020	
QuiMax Latin America Report - QuiMax Latin America Report Weekly Issue 193 Archive	24 Apr 2020	
Global PET Stream - Weekly Market Report Issue 581 Archive	24 Apr 2020	
Global Methanol - Weekly Market Report Issue 1931 Archive	24 Apr 2020	
Global Aromatics - Weekly Prices - Excel Archive	24 Apr 2020	
Global Aromatics - Weekly Market Report Issue 1953 Archive	24 Apr 2020	

Primary Tools

Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company
- Chemical Capacity by Shareholder
- Chemical Capacity Formatted Table
- Aggregated Capacity by Geography
- Chemical Supply & Demand
- Global Assets Dashboard
- Capacity Integration Table
- Capacity Ranking Table
- Formatted Supply/Demand - Annual
- Formatted Supply/Demand - Quarterly
- Plant Operating Schedules
- Chemical Owner Lookup

Related Tools and Platforms

- Upcoming Research
- Methodology & Glossary
- Research a Chemical or Market
- Headline Analysis & Daily Pricing
- Expert Directory
- Saved Pages

Keyword search and relevant filter options.




Relevant Data tools and other Resources.

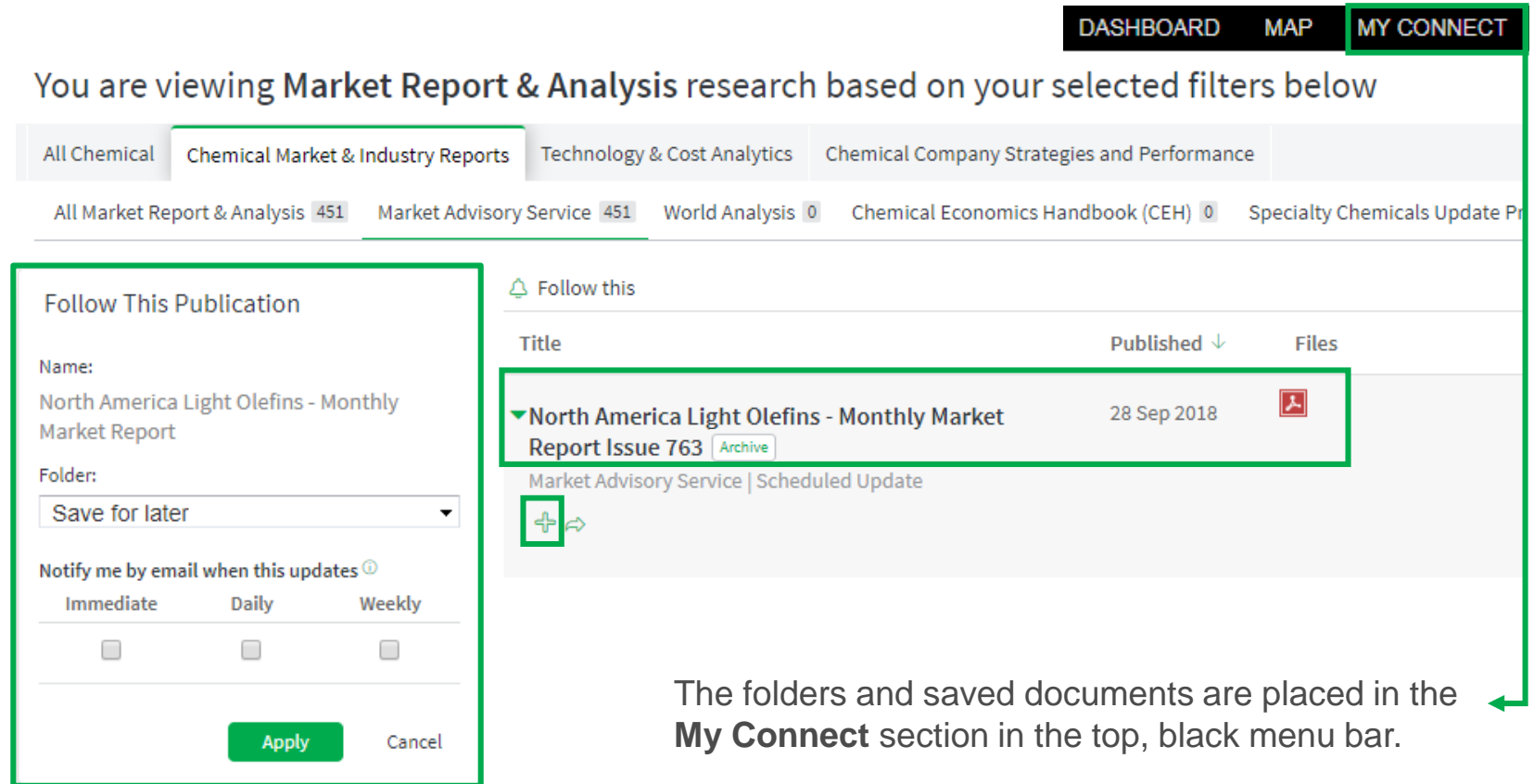
Click on **Archive** to view past reports.

View and access **files** quickly.

Customize Your Research: Save and Follow an Individual Document

Save an individual document into **My Connect** and apply an email alert to be notified when that document is updated.

1. Hover over the title of the report and click on the green arrow. 
2. Click on the plus sign that appears at the bottom of the dropdown. 
3. In the **Follow This Publication** box that appears, select the **Save for later folder** or click into the dropdown to create your own folder.
4. Select your email alert preference and click **Apply**.
5. The **Archive** button next to the report title indicates that this is a recurring deliverable and an email alert can be set. Click into this button to group and view the historical reports. 



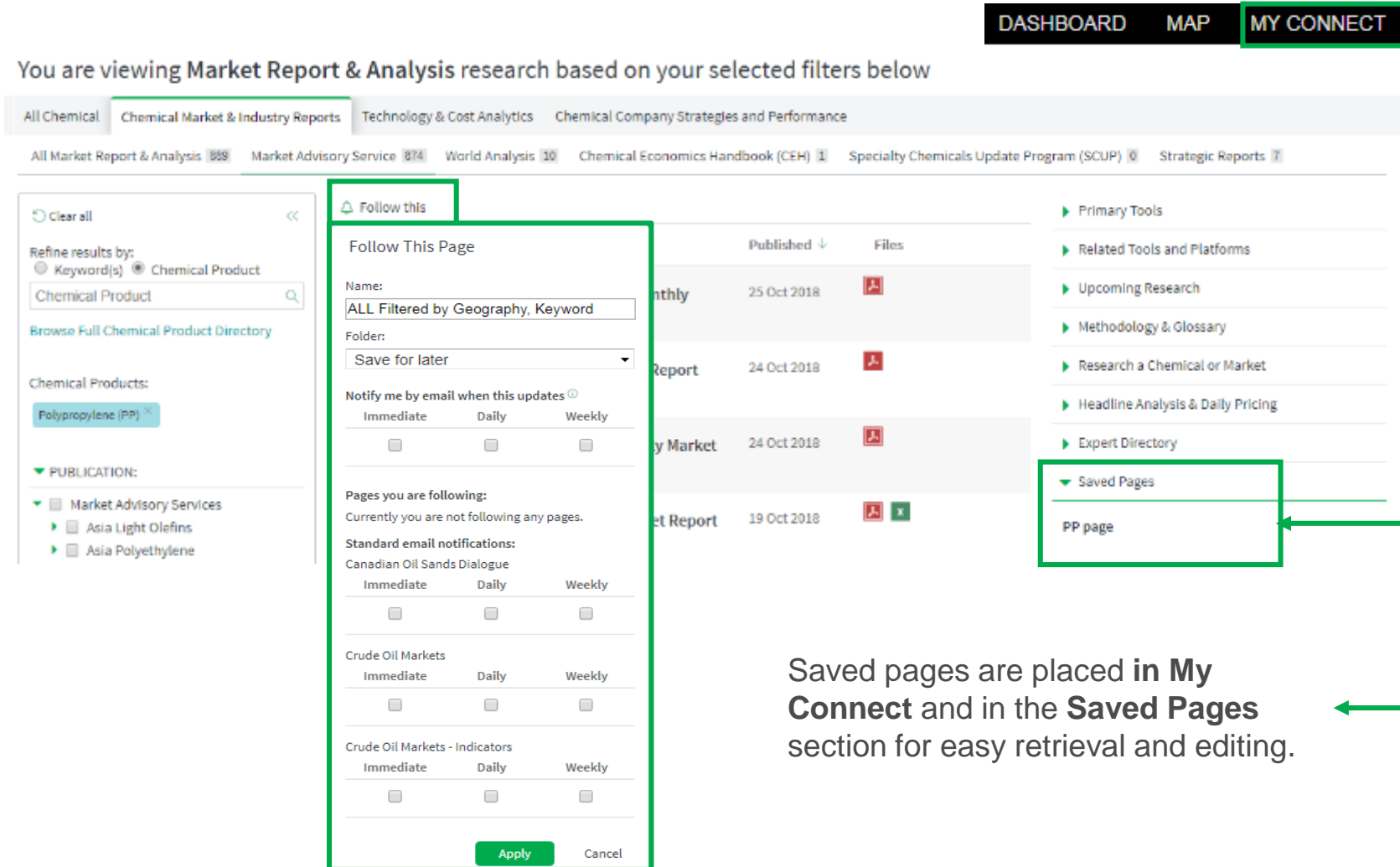
The screenshot shows the IHS Markit interface with a navigation bar at the top containing 'DASHBOARD', 'MAP', and 'MY CONNECT'. Below the navigation bar, a header reads 'You are viewing Market Report & Analysis research based on your selected filters below'. A series of tabs includes 'All Chemical', 'Chemical Market & Industry Reports', 'Technology & Cost Analytics', and 'Chemical Company Strategies and Performance'. Below these tabs, a row of filters shows 'All Market Report & Analysis 451', 'Market Advisory Service 451', 'World Analysis 0', 'Chemical Economics Handbook (CEH) 0', and 'Specialty Chemicals Update Pr'. The main content area features a 'Follow this' section with a table of reports. The table has columns for 'Title', 'Published', and 'Files'. One report is highlighted: 'North America Light Olefins - Monthly Market Report Issue 763' published on '28 Sep 2018'. An 'Archive' button is visible next to the report title. Below the table, there is a green plus sign icon and a right-pointing arrow. A 'Follow This Publication' dialog box is overlaid on the left side of the screenshot. It contains the following fields: 'Name: North America Light Olefins - Monthly Market Report', 'Folder: Save for later' (with a dropdown arrow), and 'Notify me by email when this updates' with radio buttons for 'Immediate', 'Daily', and 'Weekly'. At the bottom of the dialog are 'Apply' and 'Cancel' buttons. A green arrow points from the text below to the 'MY CONNECT' menu item in the top navigation bar.

The folders and saved documents are placed in the **My Connect** section in the top, black menu bar.

Customize Your Research: Save and Follow a Research Page

Save a research page into **My Connect** and apply an email alert to be notified when your page is updated.

1. Apply filters or a key word search on a research page.
2. Click on **Follow this** above the results listing.
3. In the **Follow This Page** box that appears, **Name** your page and select the **Save for later** folder, or click into the dropdown to create your own folder.
4. Select your email alert frequency.
5. Click **Apply**.



The screenshot shows the IHS Markit interface with the 'MY CONNECT' menu highlighted. A 'Follow This Page' dialog box is open, allowing users to name their page, select a folder (e.g., 'Save for later'), and choose an email alert frequency (Immediate, Daily, or Weekly). The dialog also shows a list of pages being followed and standard email notifications. In the background, a table of research reports is visible, and the 'Saved Pages' section in the 'MY CONNECT' menu is highlighted, showing a 'PP page'.

Saved pages are placed in **My Connect** and in the **Saved Pages** section for easy retrieval and editing.

Market Advisory Services

In Connect, hover over the **Chemical** menu > Click on **Market Advisory Service** to see all Market Advisory reports.

You are viewing **Market Report & Analysis** research

[All Chemical](#) |
 [Chemical Market & Industry Reports](#) |
 [Technology & Cost Analytics](#) |
 [Chemical Company Strategies and Performance](#)

[All Market Report & Analysis 999+](#) |
 [Market Advisory Service 999+](#) |
 [World Analysis 141](#) |
 [Chemical Economics Handbook \(CEH\) 304](#) |
 [Specialty Chemicals Update Program \(SCUP\) 37](#) |
 [Strategic Reports 54](#)

Near-term price, supply-demand, margin, trade and cost forecasts for Olefins, Aromatics, Plastics & Polymers, Inorganics, and Syngas value chains:

- **Inventory Management** - When is the best time to buy/sell
- **Contract Negotiation** - Stay ahead of competition
- **Trading** - Understand and anticipate arbitrage opportunities Plan inventory positions
- **Domestic and Global Market** - Network Access to 60 experts around the world

Market Advisory Services provide:

- Market prices (historical, current, forecast) provided monthly, weekly, daily depending upon the service
- Expert market analysis of prices, margins, trade, operational issues
- Future trends impacting markets
- Quarterly supply/demand balances and trade flows

Market Advisory Service

Global C₄ Olefins & Elastomers

Summary

03 July 2019 | Issue 889

Summary

Crude C₄s

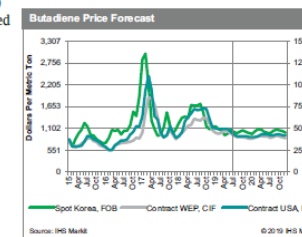
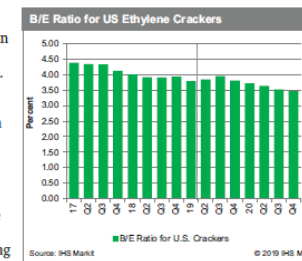
In June, global crude oil marker averages fell, though late in the month the trend reversed. Crude C₄ markets have been surprisingly long, especially in Asia and West Europe. The Spring outages are mostly complete which will cause increases in crude C₄ production. In the US, propane and butane ethylene cracking economics are competitive with ethane which will also cause increased crude C₄ production.

Butadiene

The IHSM marker for the July US butadiene contract price decreased to 43.0 ctp. Asian prices rebounded slightly in June, averaging \$1,068/mt FOB Korea due to short covering by buyers from unplanned start up delays. The July European price marker decreased 50 €/ton to settle at 810 €/ton. The global butadiene markets are generally balanced to long and heading longer. The near term price trend should be down as production will increase since the planned maintenance is nearly complete.

Butylenes

Seasonal demand for butylene streams reaches its peak in the Northern Hemisphere summer when demand for gasoline in the largest consuming geographies is largest. Significant planned cracker outages in Asia and West Europe have tightened raffinate supply somewhat. However, prices are set by the value of raffinate as a feedstock for gasoline blendstocks such as MTBE, ETBE, and alkylate. These values trended down for most of the



Chemical Price & Economics Data Browser

- Database can be found under the primary tools section **on the right-hand side** of any of the **Chemical** service pages.
- Allows you to customize your data query, includes details on:
 - Market Prices & Economics (historical, current, forecast)
 - Monthly, weekly, daily and annual pricing provided depending on the service.

Refer to the detailed Data Browser Guide for step by step guidance.

▼ Primary Tools

Data Browser

Chemical Price & Economics

Chemical Capacity by Company

Chemical Capacity by Shareholder

Chemical Capacity Formatted Table

Aggregated Capacity by Geography

Chemical Supply & Demand

Click to access a 5-minute training video.



Data Browser

- Query
- Workbook
- My Saved 3
- Documentation ^
 - Service Documentation
 - Flash Alerts
 - What is New in Data

Query

Dataset: Chemical Price & Economics

Search...

Product
 Geography
 Unit
 Frequency
 Terms
 Total Filters Selected 0

Product	Geography	Unit	Frequency
<input type="checkbox"/> 2-Ethylhexyl Acrylate <input type="checkbox"/> Acetic Acid <input type="checkbox"/> Acetic Anhydride <input type="checkbox"/> Acetone <input type="checkbox"/> Acrylic Acid - Crude <input type="checkbox"/> Acrylic Acid - Glacial <input type="checkbox"/> Acrylic Fibers <input type="checkbox"/> Acrylonitrile <input type="checkbox"/> Acrylonitrile-Butadiene-Styrene (ABS) Resins	<input type="checkbox"/> Asia <input type="checkbox"/> China <input type="checkbox"/> Europe <input type="checkbox"/> Indian Subcontinent <input type="checkbox"/> Middle East <input type="checkbox"/> North America <input type="checkbox"/> Northeast Asia <input type="checkbox"/> Romania <input type="checkbox"/> Russia	<input type="checkbox"/> CAN\$ <input type="checkbox"/> CAN\$ per Metric Ton <input type="checkbox"/> Cents per Gallon <input type="checkbox"/> Cents per Kilogram <input type="checkbox"/> Cents per Pound <input type="checkbox"/> DM <input type="checkbox"/> Euro <input type="checkbox"/> Euro per Dry Metric Ton <input type="checkbox"/> Euro per Euro Q107	<input type="checkbox"/> Annual <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly (Thur) <input type="checkbox"/> Weekly (Fri) <input type="checkbox"/> Daily (5/week)

Filter options to customize your search.

Click here to run the search

VIEW RESULTS

World Analysis

In Connect, hover over the **Chemical** menu > Click on **World Analysis** to see all World Analysis reports and deliverables.

You are viewing **Market Report & Analysis** research



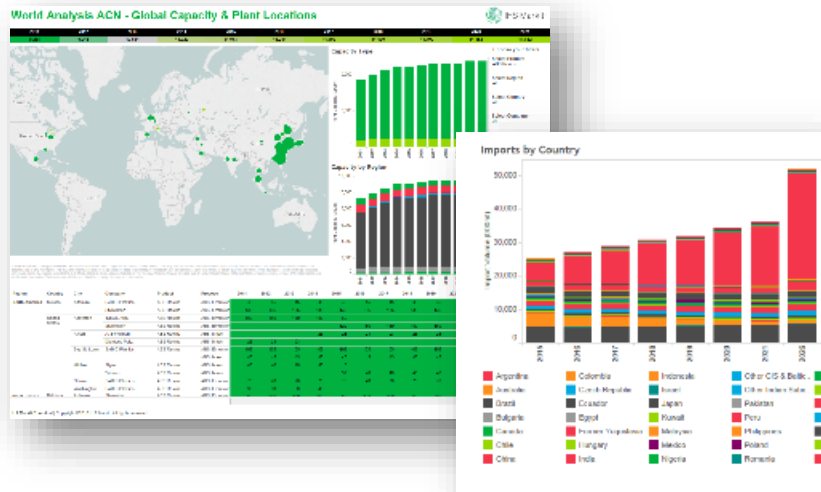
Improve your strategic vision across the chemical value chains.

Clients value the World Analysis for:

- Setting long term business strategy
- Monitoring market conditions
- Screening new market opportunities
- Feeding/validating internal models or forecasts

The World Analysis provides:

- Supply-demand database with 5 years of historical data and a 10-year forecast, updated twice a year
- Quarterly updated price, cost and margin forecast - 10-year history, 10-year forecast, including base-case assumptions
- Real time capacity database with capacity globally by plant and company location, including expected expansions and new plant additions
- Country-to-country trade grids: previous year, current year, 5-year annual forecast, and 10-year regional trade forecast, updated twice a year
- Sensitivities assessment of upside and downside price drivers uncover the factors affecting the base-case trendline for price, cost and margin.
- A dynamic Tableau interface visualizes the data in the way you need to see it for optimal analysis.



World Analysis Deliverables

All Market Report & Analysis 1 Market Advisory Service 0 **World Analysis 1** Chemical Economics Handbook (CEH) 0 Specialty Chemicals Update Program (SCUP) 0 Strategic Reports 0

Clear all <<

Refine results by:
 Keyword(s) Chemical Product

Keyword

PUBLICATION:

- World Analyses
 - 2020 World Analysis - Ethylene
 - Report

Follow this

Title	Published ↓	Files
2020 World Analysis - Ethylene - Report	09 Dec 2019	

- 2020 World Analysis Rubber - Report
- 2020 World Analysis Rubber - Appendix
- 2020 World Analysis - Explanatory Notes
- 2020 World Analysis - Energy
- 2020 World Analysis - Economy
- 2020 World Analysis-Rubber- Base Assumpt
- 2020 World Analysis Rubber-Sensitivities Fa

- 2020 World Analysis Ethylene - Q1 2020 Price Forecast
- 2020 World Analysis Ethylene - Spring Supply Demand Graphics
- 2020 World Analysis Ethylene - Trade Grids - Spring 2020

- 2020 World Analysis Ethylene - Tableau Q1 20 Update for Internet Explorer
- 2020 World Analysis Ethylene - Tableau Q1 20 Update

View and access **files** quickly.

Click here to download the user friendly and dynamic **Tableau file** for capacity, supply/demand and trade data visualization. This file can be viewed by downloading the free **Tableau reader** [here](#).

Chemical Capacity Data Browser

- Database can be found under the primary tools section **on the right-hand side** of any of the **Chemical** service pages.
- Allows you to customize your data query, includes details on:
 - Chemical and main derivative production capacity
 - Globally by company location

Refer to the detailed Data Browser Guide for step by step guidance.

Data Browser

- Query
- Workbook
- My Saved 3
- Documentation ^
 - Service Documentation
 - Flash Alerts
 - What is New in Data

Query

Dataset: **Chemical Capacity by Company**

Search...

▼ Primary Tools

Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company**
- Chemical Capacity by Shareholder
- Chemical Capacity Formatted Table
- Aggregated Capacity by Geography
- Chemical Supply & Demand

Click to access a 5-minute training video.

Concept 1 | Product | Geography | Company | Total Filters Selected 1

Concept 1

Q Search ...

Capacity to produce

Expand / Close

Product

Q Search ...

- 1,1,1-Trichloroethane
- 1,2-Butylene oxide
- 1,4-Butanediol (BDO)
- 1,4-Hexadiene
- 1,5,9-Cyclododecatriene
- 2-Ethylhexanol (2EH)
- 2-Ethylhexyl acrylate
- 5-Ethylidene norbornene
- Acetaldehyde

Geography

Q Search ...

- World Total
- Africa
- Central Europe
- CIS & Baltic States
- Indian Subcontinent
- Middle East
- North America
- Northeast Asia
- South America

Company

Q Search ...

- 1st Urban Fiber
- 3B Biofuels GmbH
- 3F Industries
- 3M Belgium N.V./S.A.
- 3M Company
- 3M Italia
- A & E Plastics
- A Ahlstrom
- A&M Styrene

fx UNIT CONVERSION...

Filter options to customize your search.

Click here to run the search

VIEW RESULTS

Chemical Capacity Formatted Table

In Connect, hover over the **Chemical** menu > Click on **Chemical Capacity Formatted Table** to export Global capacity data split by region, company and process to Excel.

Chemical

RESEARCH & DATA

Market Reports & Analysis

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Chemical Home

Headline Analysis & Daily Pricing

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Query

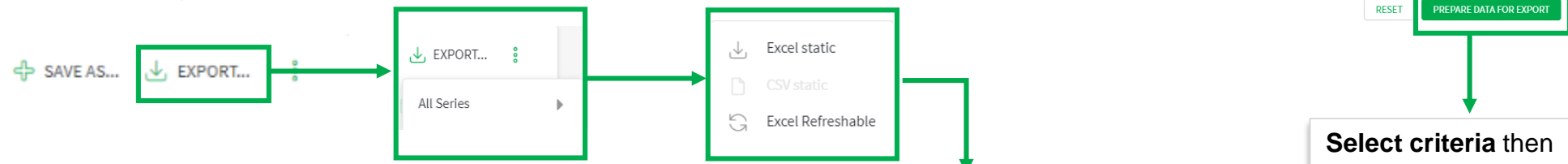
Dataset: Chemical Capacity Formatted Tables

Concept **1**

Product **1**

Capacity to produce Expand / Close

Ethylene



Select criteria then click to prepare data for export.

Ethylene Capacity split by geography, company, and process - (-000- Metric Tons)

	City	Process	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Remarks
AFRICA														
ALGERIA														
	ENIP Spa	Skikda	Ethane											
Subtotals - Ethane														
Total - Algeria														
EGYPT														
	SIDPEC	El Ameriya	Ethane	300	300	300	300	300	300	300	300	300	300	Lummus
	The Egyptian Ethylene & Derivatives Company	Alexandria	Ethane		116	460	460	460	460	460	460	460	460	Lummus
	Trust Chem. Ind.	Port Said	Ethanol Dehydration	60	60	60	60	60	60	60	60	60	60	60 Bio-ethanol dehydration
Subtotals - Ethane				300	416	760	760	760	760	760	760	760	760	
Subtotals - Ethanol Dehydration				60	60	60	60	60	60	60	60	60	60	
Total - Egypt				360	476	820	820	820	820	820	820	820	820	

Capacity Integration Table

In Connect, hover over the **Chemical** menu > Click on **Capacity Integration Table** to access Global capacity data split by region, company and process to Excel.

Agribusiness Automotive **Chemical** Economics Energy Life Sciences Maritime & Trade Risk

Chemical

RESEARCH & DATA

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Global Assets Dashboard

- Capacity Integration Table**
- Capacity Ranking Table
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- Formatted Supply/Demand - Annual
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Enter a chemical and **Select** to view integration table by **Geography, Company or Shareholder.**

Check show derivative box to see consumption by derivative detail.

Ethylene Integration Table

By Geography | By Company | By Shareholder

Geography: World | Split: By Company | Year: 2018 | Unit: (-)00- Metric Tons | Show Derivatives |

Geography	City, State	Net Surplus / Deficit	Capacity To Produce: Ethylene	Capacity To Consume	AlphaOlefins	Ethylbenzene	EthyleneDichloride	EthyleneOxide	Other	Polyethylene (PE)	VinylAcetate
TOTAL - Africa		-316	1,888	-2,204	-55	-	-391	-	-	-1,758	-
Algeria		-107									
ENIP	Sikikda	-68									
Sonatrach	Sikikda	-131									

Click export to export single year or multi year table. **Select** formatted or flat file.

Date Range

Single Year | Multi Year

Formatting

Formatted | Flat file

Capacity Ranking Table

In Connect, hover over the **Chemical** menu > Click on **Capacity Ranking Table** to view data at the country or region level for top producer, consumer, surplus or deficit.

Agribusiness Automotive **Chemical** Economics Energy Life Sciences Maritime & Trade Risk

Chemical

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Technology & Cost Analytics

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TOOLS

Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company
- Chemical Capacity by Shareholder
- Chemical Capacity Formatted Table
- Aggregated Capacity by Geography
- Chemical Supply & Demand

Global Assets Dashboard

- Capacity Integration Table
- Capacity Ranking Table**
- Formatted Supply/Demand - Quarterly
- Formatted Supply/Demand - Annual
- Plant Operating Schedules
- Chemical Owner Lookup

Ethylene Ranking Table

By Company **By Shareholder**

Enter a chemical and **Select** to view ranking table by **Company** or **Shareholder**.

Select criteria from drop the down menus then **click export**.

Concept Year Show Geography Unit

Rank	Company	2018	% of total
1	DowDuPont	10,761	6.05%
2	ExxonMobil	7,263	4.09%
3	Equistar	5,285	2.97%

Chemical Owner Lookup

In Connect, hover over the **Chemical** menu > Click on **Chemical Owner Lookup** to view company ownership and shareholder or subsidiary data.

Enter a Chemical Company and Click Search.

Agribusiness Automotive **Chemical** Economics Energy Life Sciences Maritime & Trade Risk

Chemical

RESEARCH & DATA

Market Reports & Analysis

- Market Advisory Service
- World Analysis
- Chemical Economics Handbook (CEH)
- Specialty Chemicals Update Program (SCUP)
- Strategic Reports
- Chemical Home
- Headline Analysis & Daily Pricing

Technology & Cost Analytics

- Competitive Cost & Margin Analytics
- Process Economics Program (PEP)
- Process Economics (PEP Yearbook)
- Process Comparison & Cost Tracker
- Company Strategies & Performance
- Directory of Chemical Producers

TOOLS

Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company
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Global Assets Dashboard

- Capacity Integration Table
- Capacity Ranking Table
- Formatted Supply/Demand - Quarterly
- Formatted Supply/Demand - Annual
- Plant Operating Schedules
- Chemical Owner Lookup**

Chemical Owner Lookup

Company Search

Enter Chemical Company

Braskem (Braskem)

Company Search

Braskem

Search Results (5)

- Braskem (Braskem)
- Braskem Europa GmbH (Braskem Europa GmbH)
- Braskem (P) America Inc. (Braskem (P) America)
- Braskem-Idesa JV (Braskem-Idesa JV)
- Synolubon/Braskem JV (Synolubon/Braskem)

Shareholders (7)

Odebrecht Quimica S.A. (Odebrecht Quimica)	38.30%
Uniao Federal (Uniao Federal)	33.75%
Other Brazilian Interests (Other Brazilian In)	25.10%
Various_Brazil (Various_BRA)	1.00%
B.N.D.F.S. (B.N.D.F.S.)	0.58%
Itosolon Government (Itosolon Governme)	0.50%
BNDESPar (BNDESPar)	0.50%

Legend: Odebrecht Quimica S.A., Uniao Federal, Other Brazilian Interests, Various_Brazil, B.N.D.F.S., Brazilian Government, BNDESPar

Click Export to view data and tables in Excel.

Note: Ownership includes associations from 1990 through the forecast period and does not reflect current status only. The full hierarchy of ownership is shown as a flat list. Non-manufacturing entities (e.g. Holding companies), and subsidiaries and JVs that are producing chemicals not included in our chemical capacity database, such as specialties, pharmaceuticals etc., are not shown here.

Chemical Supply & Demand Data Browser

Refer to the detailed Data Browser Guide for step by step guidance.

- Database can be found under the primary tools section **on the right-hand side** of any of the **Chemical** service pages.
- Allows you to customize your data query, includes details on:
 - Global and Country level Supply/Demand balances

▼ Primary Tools

Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company
- Chemical Capacity by Shareholder
- Chemical Capacity Formatted Table
- Aggregated Capacity by Geography
- Chemical Supply & Demand**

Click to access a 5-minute training video.



Data Browser

- Query
- Workbook
- My Saved 3
- Documentation ^
 - Service Documentation
 - Flash Alerts
 - What is New in Data

Query

Dataset: Chemical Supply & Demand

Search...

Version
 Product
 Geography
 Concept
 Total Filters Selected 1

Version	Product	Geography	Concept
<input type="radio"/> 2016 Edition: Spring 2016 Update <input type="radio"/> 2017 Edition: Fall 2016 Update <input type="radio"/> 2017 Edition: Spring 2017 Update <input type="radio"/> 2018 Edition: Fall 2017 Update <input type="radio"/> 2018 Edition: Spring 2018 Update <input type="radio"/> 2019 Edition: Fall 2018 Update <input type="radio"/> 2019 Edition: Spring 2019 Update <input type="radio"/> 2020 Edition: Fall 2019 Update <input checked="" type="radio"/> 2020 Edition: Spring 2020 Update	<input type="checkbox"/> 2-Ethylhexanol (2EH) <input type="checkbox"/> 2-Ethylhexyl Acrylate <input type="checkbox"/> Acetic Acid <input type="checkbox"/> Acetone <input type="checkbox"/> Acrylic Acid - Crude <input type="checkbox"/> Acrylonitrile <input type="checkbox"/> Acrylonitrile-Butadiene-Styrene (ABS) Resins <input type="checkbox"/> Adipic Acid <input type="checkbox"/> Adiponitrile	<input type="checkbox"/> World <input checked="" type="checkbox"/> North America <input type="checkbox"/> South America <input type="checkbox"/> Western Europe <input checked="" type="checkbox"/> Central Europe <input checked="" type="checkbox"/> CIS & Baltic States <input checked="" type="checkbox"/> Africa <input type="checkbox"/> Middle East <input type="checkbox"/> Indian Subcontinent	<input type="checkbox"/> Nameplate Capacity <input type="checkbox"/> Hypothetical Capacity <input type="checkbox"/> Total Capacity <input type="checkbox"/> Operating Rate <input type="checkbox"/> Production <input type="checkbox"/> Imports <input type="checkbox"/> Total Supply <input type="checkbox"/> Domestic Demand <input type="checkbox"/> Exports

Filter options to customize your search.

Click here to run the search

VIEW RESULTS

Formatted Supply/Demand Tables

In Connect, hover over the **Chemical** menu > Click on **Formatted Supply/Demand – Annual** to view and export formatted tables to Excel.



Chemical

RESEARCH & DATA

Market Reports & Analysis

- Market Advisory Service
- World Analysis
- Chemical Economics Handbook (CEH)
- Specialty Chemicals Update Program (SCUP)
- Strategic Reports
- Chemical Home
- Headline Analysis & Daily Pricing

Technology & Cost Analytics

- Competitive Cost & Margin Analytics
- Process Economics Program (PEP)
- Process Economics (PEP Yearbook)
- Process Comparison & Cost Tracker
- Company Strategies & Performance
- Directory of Chemical Producers

TOOLS

Data Browser

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Global Assets Dashboard

- Capacity Integration Table
- Capacity Ranking Table
- Formatted Supply/Demand – Quarterly
- Formatted Supply/Demand – Annual**
- Plant Operating Schedules
- Chemical Owner Lookup

Click export to select multiple products and geographies.

Ethylene Annual Balance Table

Enter a Chemical or Market
 North America

Export

Click here to select chemical and geography.

2020 Edition: Spring 2020 Update

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity																
Nameplate Capacity	34,756	35,200	35,200	35,200	35,200	35,200	47,856	49,917	52,382	53,936	53,936	53,936	53,936	53,936	53,936	53,936
Coal to Olefins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crude to Olefins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methanol to Olefins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methanol to Propylene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	216	216	216	216	216	216	216	240	240	240	240	240	240	240	240	240
Steam Cracker	34,540	35,081	36,403	37,856	41,446	43,874	47,616	49,677	52,142	53,696	53,696	53,696	53,696	53,696	53,696	53,696

Selectors

Products: [Clear All](#)

Geography: [Clear All](#)

SELECT PRODUCTS

- 2-Ethylhexanol (2EH)
- 2-Ethylhexyl Acrylate
- Acetic Acid
- Acetone
- Acrylic Acid - Crude
- Acrylonitrile
- Acrylonitrile-Butadiene-Styrene (ABS) Resins
- Adipic Acid
- Adiponitrile
- Benzene
- Bisphenol A (BPA)
- Butadiene (BDE)
- Caprolactam
- Caustic Soda (Dry Basis)
- Chlorine
- Crude C4s
- Cumene
- Cyclohexane
- Dimethyl Terephthalate (DMT)
- Ethyl Acrylate
- Ethyl Tert-Butyl Ether (ETBE)
- Ethylene

Date Range: From 2005 to 2029 Reset

Compound Annual Growth Rates calculations

From 2005 to 2029 Reset From 2005 to 2029 Reset From 2005 to 2029 Reset

[Export](#) [Cancel](#)

Create custom date range and growth rates then click export.

Chemical Economic Handbooks

In Connect, hover over the **Chemical** menu > Click on **Chemical Economic Handbook (CEH)** to see all CEH reports.

You are viewing Market Report & Analysis research

[All Chemical](#)
[Chemical Market & Industry Reports](#)
[Technology & Cost Analytics](#)
[Chemical Company Strategies and Performance](#)

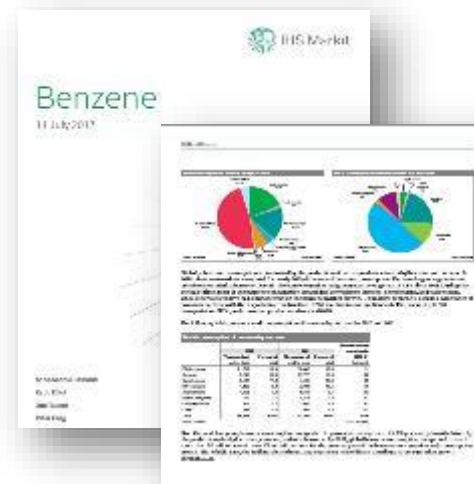
[All Market Report & Analysis 999+](#)
[Market Advisory Service 999+](#)
[World Analysis 141](#)
[Chemical Economics Handbook \(CEH\) 304](#)
[Specialty Chemicals Update Program \(SCUP\) 37](#)
[Strategic Reports 54](#)

Serving clients for more than 60 years

- Complete coverage of the Chemical Industry
- Approximately 250 reports on topics from A-to-Z (i.e. Acetaldehyde to Zinc Chemicals)
- Includes Petrochemicals, Organics, Inorganics, Industrial Gases, Fibers, Resins and Elastomers

80-90 reports issued annually include:

- Executive summary with key commercial conclusions for the product group
- Global summary; regional coverage
- Producers with annual capacities and plant sites
- Production figures and trends
- Consumption and forecasts by end use application
- Historical annual prices and price trends
- Trade imports and exports



▶ Primary Tools

▶ Related Tools and Platforms

▼ Upcoming Research

Report Schedule - CEH
16 Oct 2018

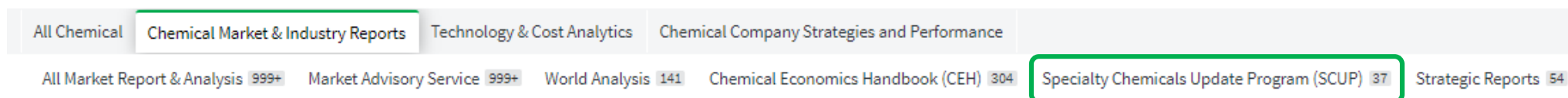
Report Schedule - SCUP
31 Aug 2018

Market research & analysis of over 300 markets including chemical supply/demand, forecasts, and related trends in manufacturing, consumption and trade.

Specialty Chemical Update Program

In Connect, hover over the **Chemical** menu > Click on **Specialty Chemicals Update Program (SCUP)** to see all SCUP reports.

You are viewing **Market Report & Analysis** research



- Strategic analysis of 40 specialty chemical sectors
- Reports effectively function as a Business Plan for developing businesses in specialty chemical sectors.

Each report includes:

- Executive summary with key commercial conclusions for the sector
- Qualitative market analysis and forecasts
- Industry structure, operating characteristics and regulatory environment
- Products, functions and markets
- Cost structure / profitability
- Technology changes and emerging substitution practices



▶ Primary Tools

▶ Related Tools and Platforms

▼ Upcoming Research

Report Schedule - CEH
16 Oct 2018

Report Schedule - SCUP
31 Aug 2018

Strategic research and analysis of current markets and future prospects for a broad range of specialty chemical businesses.

Strategic Reports

In Connect, hover over the **Chemical** menu > Click on **Strategic Reports** to see all chemical strategic reports.

You are viewing **Market Report & Analysis** research



- Critical response to a market need that is too complex and/or urgent to be covered in sufficient detail through ongoing market services
- Quick deployment of multi-disciplinary research, technology & consulting expertise
- Leverage existing IHS Markit expertise and datasets to create new innovative research
- Brings together an industry community who can help shape the research effort with feedback



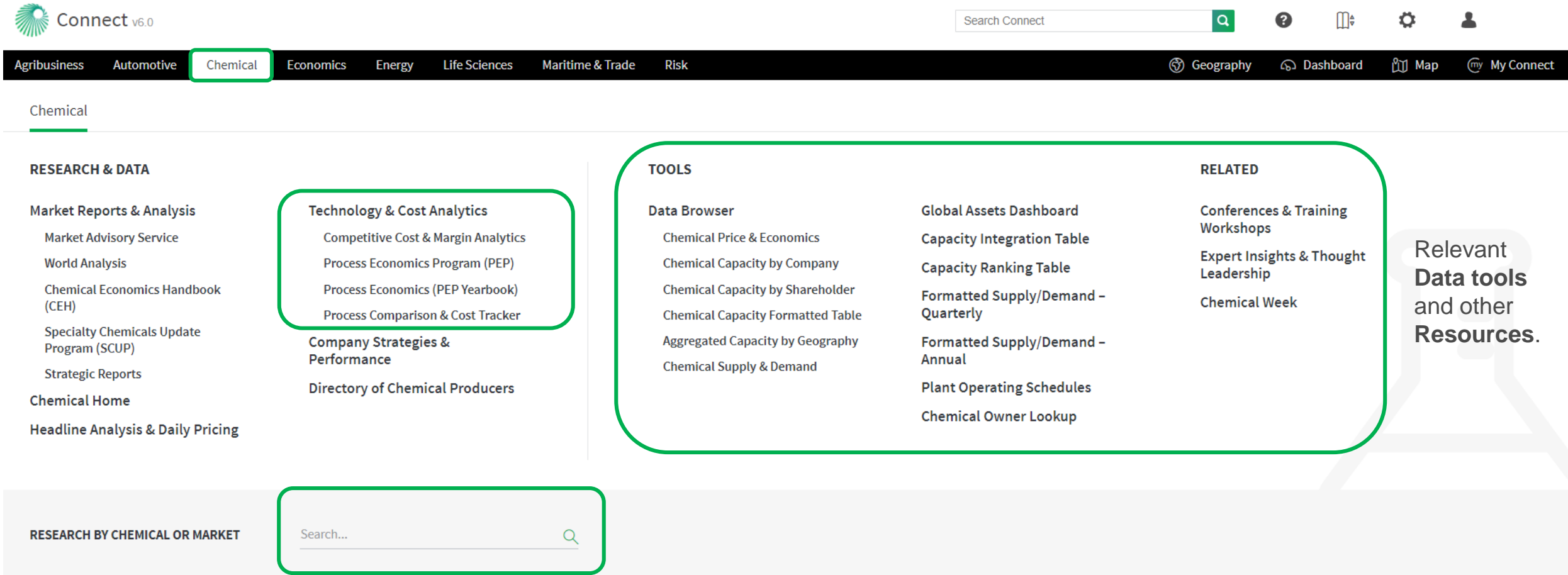
A deep collaboration of IHS Markit multi-disciplinary expertise brought together to address the most topical issues in the chemical industry today.

Technology & Cost Analytics

Process evaluations and production economics

Technology & Cost Analytics Research Page Navigation

In Connect, hover over the **Chemical** menu > Click on **Technology & Cost Analytics** to see all reports & data files.



The screenshot shows the IHS Markit Connect v6.0 interface. At the top, there is a navigation bar with the following categories: Agribusiness, Automotive, **Chemical** (highlighted with a green box), Economics, Energy, Life Sciences, Maritime & Trade, and Risk. To the right of the navigation bar are icons for Geography, Dashboard, Map, and My Connect. Below the navigation bar, the 'Chemical' section is active, displaying a list of options under 'RESEARCH & DATA'. The 'Technology & Cost Analytics' option is highlighted with a green rounded rectangle. Below this, there is a search bar for 'RESEARCH BY CHEMICAL OR MARKET' also highlighted with a green rounded rectangle. To the right, a large green rounded rectangle highlights the 'TOOLS' and 'RELATED' sections. The 'TOOLS' section includes: Data Browser, Chemical Price & Economics, Chemical Capacity by Company, Chemical Capacity by Shareholder, Chemical Capacity Formatted Table, Aggregated Capacity by Geography, and Chemical Supply & Demand. The 'RELATED' section includes: Global Assets Dashboard, Capacity Integration Table, Capacity Ranking Table, Formatted Supply/Demand - Quarterly, Formatted Supply/Demand - Annual, Plant Operating Schedules, and Chemical Owner Lookup. To the right of the 'TOOLS' and 'RELATED' sections, there is a callout box with the text 'Relevant Data tools and other Resources.' and a magnifying glass icon.

Enter a chemical or market to view **dashboard** page.

Technology & Cost Analytics Page Navigation

Process Evaluations & Production Economics reports & data are organized within **service tabs** to instantly narrow down your search.

You are viewing **Technology & Cost Analytics** research About this page

[All Chemical](#)
[Chemical Market & Industry Reports](#)
[Technology & Cost Analytics](#)
[Chemical Company Strategies and Performance](#)

[All Technology & Cost Analytics 999+](#)
[Competitive Cost & Margin Analytics 100](#)
[Process Economics Program \(PEP\) 999+](#)
[Process Comparison & Cost Tracker 21](#)

Clear all <<

Refine results by:

Keyword(s) Chemical Product

Keyword

PUBLICATION:

- Competitive Cost & Margin Analytics
- Process Economics Program

FILE TYPE:

- Adobe PDF
- Images
- Microsoft Excel

PUBLISH FREQUENCY:

- Quarterly
- Semiannual
- Annual
- Ad Hoc

Follow this

Title	Published ↓	Files
Integrated Cumene-Phenol/Acetone/Bisphenol A - Part I: Cumene PEP Review - 2020-09	24 Apr 2020	
Phenol Production by ExxonMobil 3-Step Process PEP Review - 2020-02	09 Apr 2020	
Competitive Cost & Margin Analytics - Terephthalic Acid	08 Apr 2020	
Competitive Cost & Margin Analytics - Polyethylene Terephthalate	07 Apr 2020	
Competitive Cost & Margin Analytics - Styrene	25 Mar 2020	
Cost Index Research - PEPCI	05 Mar 2020	
Dynamic Construction Location Factors PEP Review - 2019-12	03 Mar 2020	

- Primary Tools
- Process Economics (PEP Yearbook)**
 - ▶ Related Tools and Platforms
 - ▶ Upcoming Research
 - ▶ Methodology & Glossary
 - ▶ Research a Chemical or Market
 - ▶ Headline Analysis & Daily Pricing
 - ▶ Expert Directory
 - ▶ Saved Pages

Keyword search and relevant filter options.

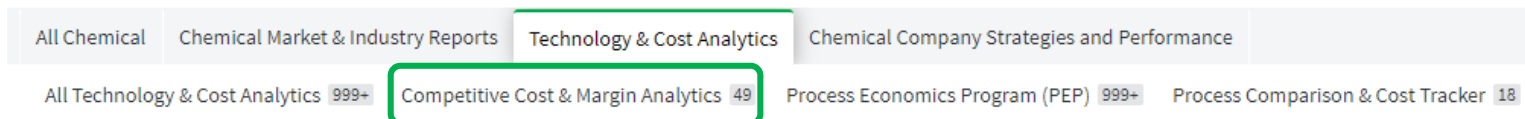
Relevant Data tools and other Resources.

View and access files quickly.

Competitive Cost & Margin Analytics

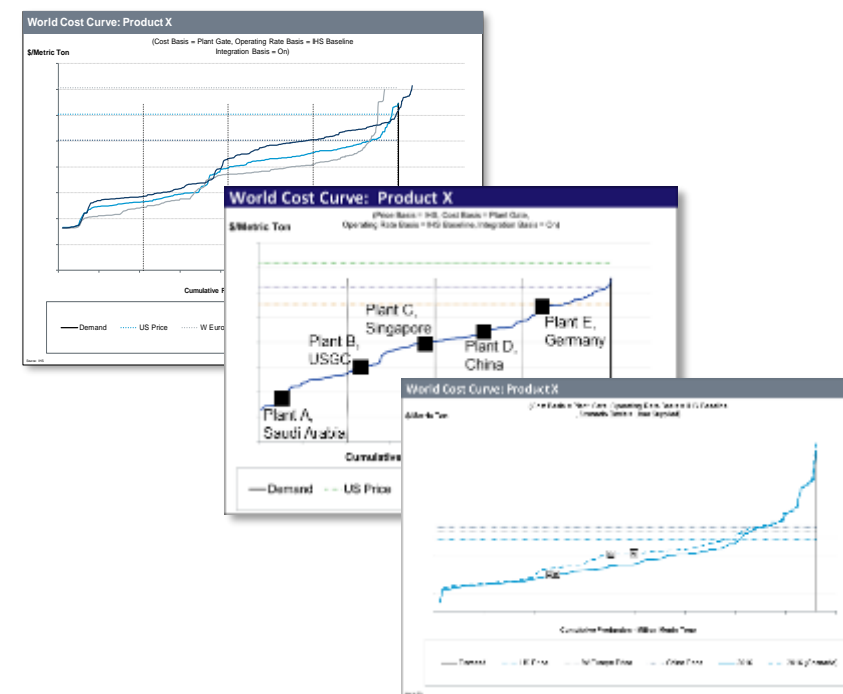
In Connect, hover over the **Chemical** menu > Click on **Competitive Cost & Margin Analytics** to view executive overview and interactive cost models.

You are viewing **Technology & Cost Analytics** research



Service includes:

- Energy Price Basis and Energy Outlook
- Executive Overview & Methodology
- Production cost snapshots for key technologies by regions
- Interactive excel tool with graphs, tables, global & regional views
- Analyze oil price scenarios based on user-specific inputs
- Historical 5-year prior period, prior year, current year
- 10-Year forecast including Hypothetical plant additions dictated by Supply/Demand dynamics
- Quarterly model updates
- Decreased depreciation for plants more than 10-years old
- Ability to add Sales, General & Administrative (SG&A) expenses to plant economics
- Monthly updated 15-month forecast and 3-month history
- Annual Curves incorporating announced or planned short-term shutdowns into production costs



Cost and margin analytics / curves for all producers of a particular commodity chemical or polymer for the previous, current and future year outlook.

Process Economics Program

In Connect, hover over the **Chemical** menu > Click on **Process Economics Program** to view all reports and iPEP files.

You are viewing **Technology & Cost Analytics** research

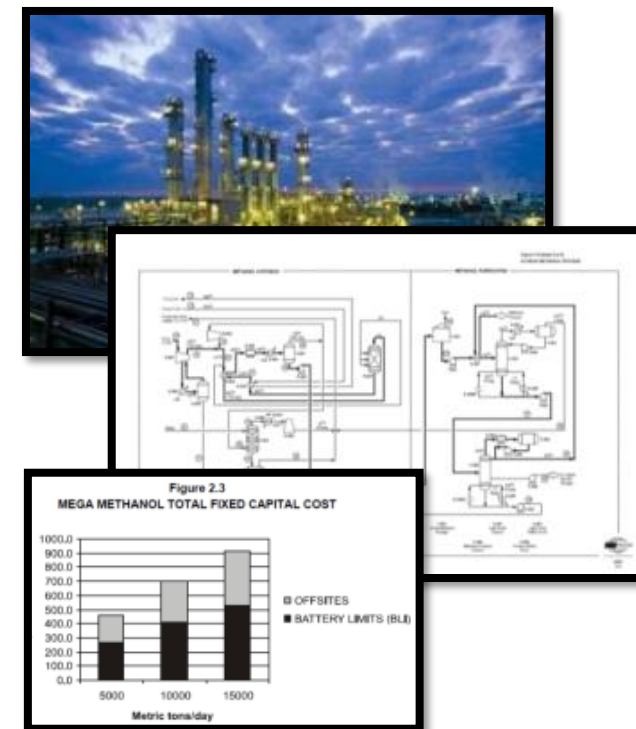
[All Chemical](#)
[Chemical Market & Industry Reports](#)
[Technology & Cost Analytics](#)
[Chemical Company Strategies and Performance](#)

[All Technology & Cost Analytics 999+](#)
[Competitive Cost & Margin Analytics 49](#)
[Process Economics Program \(PEP\) 999+](#)
[Process Comparison & Cost Tracker 18](#)

- Monitor global technology and commercial developments
- 50 years of chemical process economics covering over 1400 process technologies related to over 600 chemicals

Coverage of:

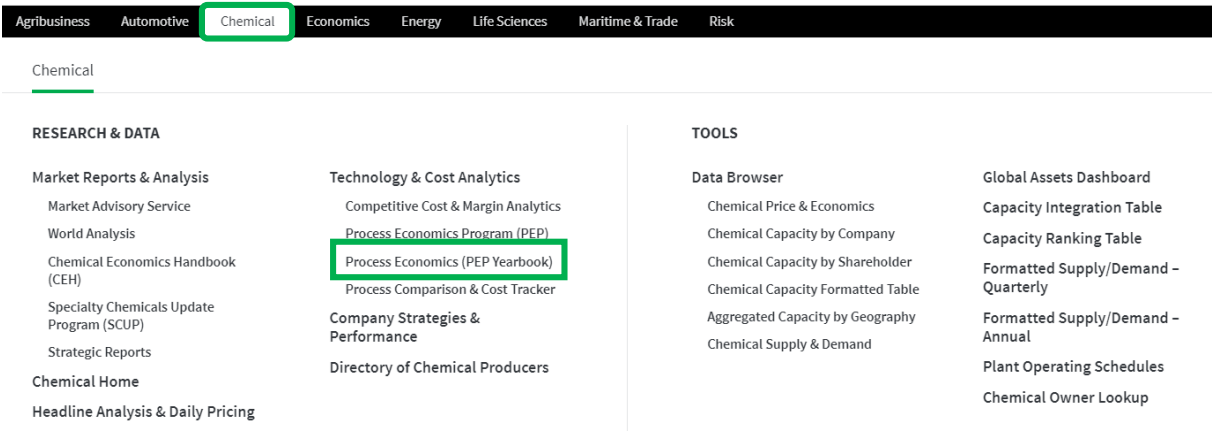
- Periodic techno-economic reviews of key process technologies in the chemical industry
- Plant construction cost indices providing semi-annual updates to plant equipment and construction cost escalation indices and location factors
- NEW: key economic content delivered in interactive spreadsheet modules (iPEP) allowing clients to interrogate data and quickly develop scenarios



In-depth, objective economic assessments of competing commercial and emerging chemical processes technologies, and capital & production costs.

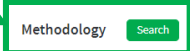
Process Economics (PEP Yearbook)

In Connect, hover over the **Chemical** menu > Click on **Process Economics (PEP Yearbook)** to create query.



The screenshot shows the top navigation bar with 'Chemical' highlighted. Below it, the 'Chemical' sub-menu is open, and 'Process Economics (PEP Yearbook)' is highlighted. Other menu items include Agribusiness, Automotive, Economics, Energy, Life Sciences, Maritime & Trade, and Risk.

Click **here** to view methodology document and price history.



A button labeled 'Methodology' with a green 'Search' icon next to it.

Process Economics Program: Create Query

Selected Criteria

[Reset Criteria](#)

Data version:
2019 Q4

Unit:
English

Search Criteria

Data version: 2019 Q4
Changing this value will reset your selected criteria.

Product or Raw Material and By-product

Process

Geography

- United States, Gulf Coast
- Germany
- Japan
- China, Shanghai
- Canada, Alberta
- Saudi Arabia

Units

English

Select Product(s) or Raw Material(s).

Selected Criteria will show in the left column.

Then hit Search.

Process Comparison & Cost Tracker

In Connect, hover over the **Chemical** menu > Click on **Process Comparison & Cost Tracker** to view interactive models.

You are viewing **Technology & Cost Analytics** research

[All Chemical](#)
[Chemical Market & Industry Reports](#)
[Technology & Cost Analytics](#)
[Chemical Company Strategies and Performance](#)

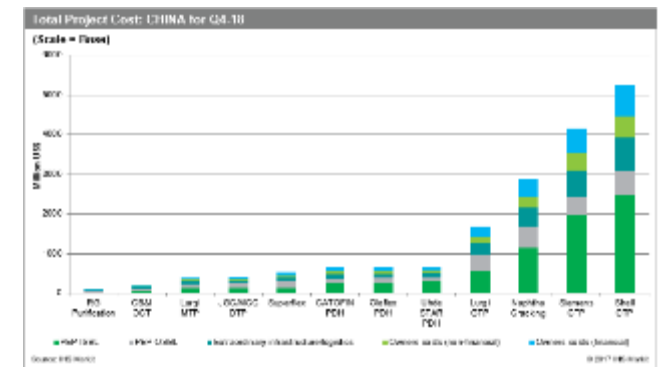
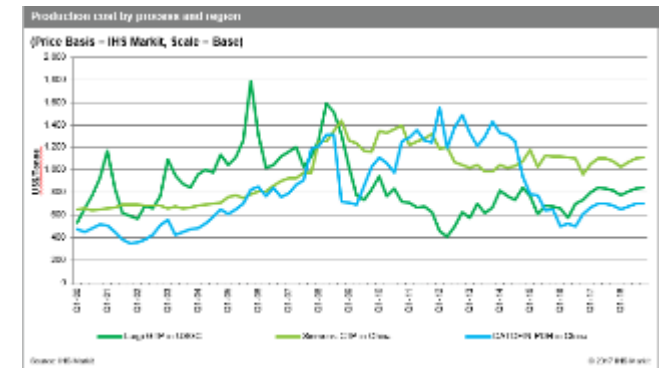
[All Technology & Cost Analytics 999+](#)
[Competitive Cost & Margin Analytics 49](#)
[Process Economics Program \(PEP\) 999+](#)
[Process Comparison & Cost Tracker 18](#)

PCCT allows you to seamlessly interrogate, analyze and customize 500,000+ economic data points by chemical, alongside the technical process descriptions according to:

- Technology
- Capital and Production Economics
- Time Series
- Geography
- Environment

Key Features:

- Detailed production cost structure, broken down by cost components, for commercial and emerging process technologies
- Ability to select and compare different process technologies side-by-side
- Model populated with >15 years of historical data and 5 year IHS Markit base price forecast
- Price basis offered for feedstocks and product on a quarterly and annual basis for 6 key regions
- Ability to enter user-defined metrics up to 2040 for product price, immediate feedstock price, utilities, location factors & capital cost index
- Carbon and water footprints
- Process descriptions & block flow diagrams
- Technology & market overview



Company Strategies & Performance

Financial and Operational Company Assessments

Company Strategies & Performance Research Page Navigation

In Connect, hover over the **Chemical** menu > Click on **Company Strategies & Performance** to see all reports & data files.

Connect v6.0

?
☰
⚙️
👤

Agribusiness
Automotive
Chemical
Economics
Energy
Life Sciences
Maritime & Trade
Risk
🌐 Geography
🏠 Dashboard
🗺️ Map
👤 My Connect

Chemical

RESEARCH & DATA

Market Reports & Analysis

- Market Advisory Service
- World Analysis
- Chemical Economics Handbook (CEH)
- Specialty Chemicals Update Program (SCUP)
- Strategic Reports

Chemical Home

Headline Analysis & Daily Pricing

TOOLS

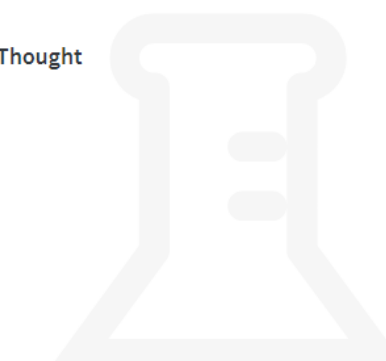
Data Browser

- Chemical Price & Economics
- Chemical Capacity by Company
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- Chemical Capacity Formatted Table
- Aggregated Capacity by Geography
- Chemical Supply & Demand

RELATED

- Global Assets Dashboard
- Capacity Integration Table
- Capacity Ranking Table
- Formatted Supply/Demand - Quarterly
- Formatted Supply/Demand - Annual
- Plant Operating Schedules
- Chemical Owner Lookup

RESEARCH BY CHEMICAL OR MARKET



Company Strategies & Performance Page Navigation

Company profiles, performance reports & data are organized within **service tabs** to instantly narrow down your search.

You are viewing **Chemical Company Strategies and Performance** research About this page

[All Chemical](#) |
 [Chemical Market & Industry Reports](#) |
 [Technology & Cost Analytics](#) |
 [Chemical Company Strategies and Performance](#)

[All Chemical Company Strategies and Performance 45](#) |
 [Performance Benchmarking 1](#) |
 [Company Profiles 40](#) |
 [Company Perspectives 3](#) |
 [Data & Tools 1](#)

Clear all

Refine results by:

Keyword

FILE TYPE:

- Adobe PDF
- Images
- Microsoft Excel

CONTENT TYPE:

- Research & Analysis
 - Data
 - Headline Analysis
 - Profile
 - Scheduled Update

Follow this

Title	Published ↓	Files
Petronas Company Profile Archive	21 Apr 2020	
LyondellBasell Company Profile Archive	21 Apr 2020	
CNPC (PetroChina) Company Profile Archive	21 Apr 2020	
Dow Company Profile Archive	20 Apr 2020	
Eni Company Profile Archive	15 Apr 2020	
Shin-Etsu Company Profile Archive	14 Apr 2020	
Asahi Glass Chemicals Company Profile Archive	14 Apr 2020	
Shanghai Tian Yuan Company Profile Archive	14 Apr 2020	
TOTAL Company Profile Archive	14 Apr 2020	

Primary Tools

- Chemical Capacity by Company
- Chemical Capacity by Shareholder
- Chemical Capacity Formatted Table
- Capacity Integration Table
- Capacity Ranking Table
- Chemical Owner Lookup
- Directory of Chemical Producers
- Related Tools and Platforms
- Methodology & Glossary
- Research a Chemical or Market
- Headline Analysis & Daily Pricing
- Expert Directory
- Saved Pages

Keyword search and relevant filter options.

Relevant Data tools, and other Resources.

Open each company profile to view and access **files** quickly.

CSP Chemical Module

- The IHS Markit Company Strategies and Performance (CSP) Chemical is a multiclient program offering a unique combination of in-depth analysis and tools to compare peer companies. The report has four main components, which complement each other to provide analytics and data to compare the strategic direction of the selected companies.
 - Company Profiles**—38 individual company profiles, analyzing each one’s global portfolio, operations, strategy and competitive position, comprises following chapters:
 - Corporate and Financial Overview—Key information on strategy, investments and divestments
 - Manufacturing Profiles—Global portfolio details covering all major assets
 - Competitive Analysis—Granular coverage of petrochemical operations including refinery-petrochemical integration
 - IHS Markit View—Our independent analysis of short-term and long-term moves made by the company
 - Annual Chemical Performance Report (formerly GCOR).**
 - Key performance indicators dashboard tool (KPI).**
 - Financial performance benchmarking.**
- The peer group set of companies for olefins and aromatics as well as for chlor-vinyls were selected based on the company size (revenue) within the competitive space, profitability, geographic reach, scale, and future capacity expansions. Ethylene is used as a surrogate for the performance of companies with olefins and aromatics-centric portfolio because of the large volume produced and broad end-use patterns. Together, these companies represent nearly 60% of the global olefins and aromatics output. On the chlor-vinyl side, ECU production cost is taken as a proxy which, when viewed with ethylene competitiveness, gives the overall view of the sector.

Olefins and aromatics		
Peer Group 1	Peer Group 2	Peer Group 3
Chevron Phillips	BASF	Braskem
Dow	Formosa Group	BP
ExxonMobil Chemical	INEOS	CNPC (PetroChina)
LyondellBasell	PETRONAS	Eni SpA
Mubadala	PTT Group	LG Chem
NPC-Iran	Qatar Petroleum	LOTTE Chemical
Royal Dutch/Shell	Reliance	Mitsubishi Chemical
SABIC	Sasol	Mitsui Chemicals
Saudi Aramco	Sumitomo Chemical	SCG Chemicals (Siam Cement)
Total	Westlake	SINOPEC

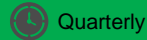
Chlor-vinyls	
Peer Group 1	Peer Group 2
Olin	INEOS
Formosa Group	Nouryon*
Dow	CNSIC
Oxychem	Shanghai Tian Yuan
Westlake	Asahi Glass (AGC)
Shin-Etsu	Orbia (Mexichem)

Deliverables—CSP Chemical Module

1 Performance Benchmarking

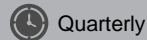
Quarterly Financial Benchmark Extract

Excel extract containing reported financial results combined with asset modeling



Quarterly Performance Report

Assessment of refining and marketing performance by company for each peer group



Annual Performance Report

Annual summary report, benchmarking each company's performance for the year for each peer group



2 Company Profiles

Company Profiles

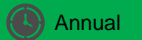
38 profiles of each company's portfolio and competitive positioning



3 Data and Tools

Key performance indicators tool (KPI)

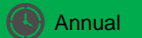
Excel data file for benchmarking companies on various industry-recognized metrics



4 Product Benchmarking

Annual Chemical Performance Report

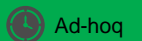
Assessment of top players for 47 chemical products through unique IHSM methodology



5 Company Perspectives

Strategic Reports and Alerts

Reports and alerts discussing and analyzing key events and trends in chemical competitive landscape



Companies coverage: Company Strategies and Performance

Chemical module provides an in-depth comparative view of the strategic direction and financial position of the top 38 Chemical companies.

Companies covered by region

Americas

- Braskem
- Chevron Philips
- **ExxonMobil**
- Chemical
- LyondellBasell
- Dow
- Orbia
- Occidental-Oxychem
- Olin
- Westlake Chemical

EMEA

- BASF SE
- **ENI SpA**
- Ineos
- **BP**
- Mubadalah
- Nouryon
- NPC – Iran
- Qatar Petroleum
- **Royal Dutch Shell**
- SABIC
- Sasol
- **Saudi Aramco**
- **Total SA**

APAC

- Asahi Glass Company (AGC Group)
- China National Salt Industries
- Formosa
- LG Chem
- Lotte Group
- Mitsubishi
- Mitsui Chemicals
- **Petrochina (CNPC)**
- **PETRONAS**
- PTT
- **Reliance Industries**
- Shanghai Tian Yuan
- Shin-Etsu
- Siam Cement Group (SCG)
- **SINOPEC**
- Sumitomo Chemical

Source: IHS Markit

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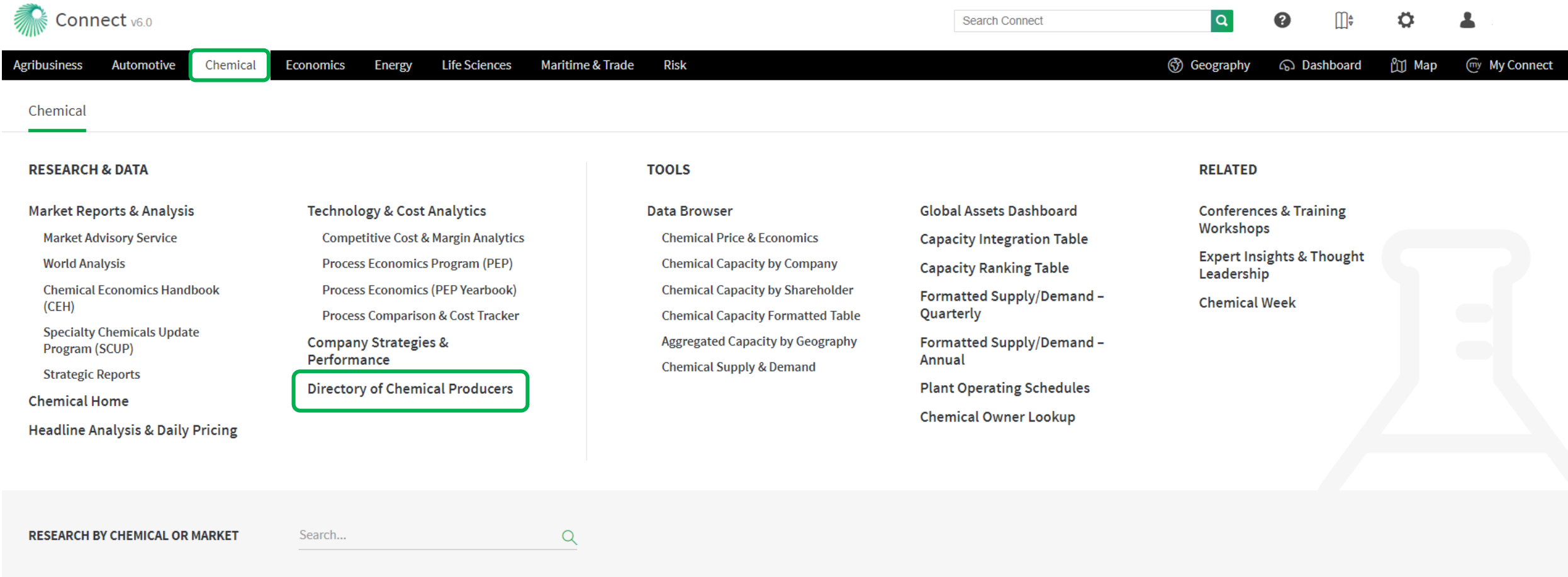
Global coverage to understand Chemical landscape

Directory of Chemical Producers

Manufacturers, Plant Locations and Products

Directory of Chemical Producers Database Navigation

In Connect, hover over the **Chemical** menu > Click on **Directory of Chemical Producers** to access database.



The screenshot shows the IHS Markit Connect v6.0 interface. At the top, there is a navigation bar with categories: Agribusiness, Automotive, **Chemical** (highlighted with a green box), Economics, Energy, Life Sciences, Maritime & Trade, and Risk. On the right side of the navigation bar are icons for Geography, Dashboard, Map, and My Connect. Below the navigation bar, the 'Chemical' section is active. The main content area is divided into three columns: RESEARCH & DATA, TOOLS, and RELATED. In the RESEARCH & DATA column, under 'Technology & Cost Analytics', the 'Directory of Chemical Producers' link is highlighted with a green box. The TOOLS column lists various data browsing and capacity analysis tools. The RELATED column lists conferences, workshops, and expert insights. At the bottom, there is a search bar for 'RESEARCH BY CHEMICAL OR MARKET'.

Directory of Chemical Producers

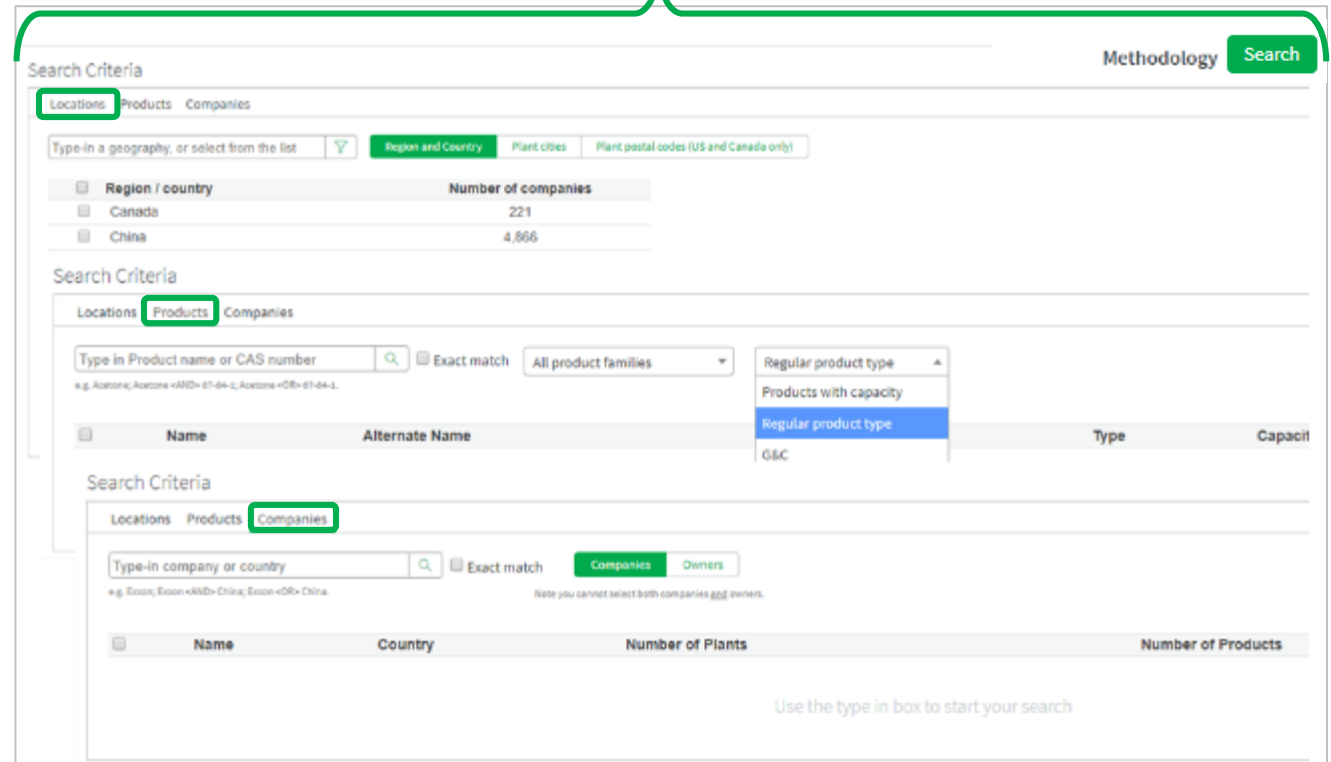
In Connect, hover over the **Chemical** menu > Click on **Directory of Chemical Producers** to access database.

- Published continuously for more than 50 years
- Backed by an annual survey of chemical manufacturers, market studies and other sources

Coverage of:

- More than 15,000 chemical manufacturing companies
- Over 20,000 chemical manufacturing sites in more than 90 countries
- Over 21,500 specific chemical products, extensively cross-referenced
- 15,000 CAS Numbers
- 250 Chemicals with plant by plant capacity data
- Company Ownership
- Advanced Search Capabilities

Data can be queried by **Location, Products or Companies**. Select your criteria then click **Search** to view results.



Search Criteria Methodology **Search**

Locations Products Companies

Type-in a geography, or select from the list Region and Country Plant cities Plant postal codes (US and Canada only)

Region / country	Number of companies
Canada	221
China	4,866

Search Criteria

Locations **Products** Companies

Type in Product name or CAS number Exact match All product families Regular product type

e.g. Acetone; Acetone +MSD+ 67-64-L; Acetone +DB+ 67-64-L

Name	Alternate Name	Type	Capacit
		Regular product type	
		Products with capacity	
		G&C	

Search Criteria

Locations Products **Companies**

Type-in company or country Exact match Companies Owners

e.g. Exxon; Exxon +MSD+ China; Exxon +DB+ China Note you cannot select both companies and owners.

Name	Country	Number of Plants	Number of Products
------	---------	------------------	--------------------

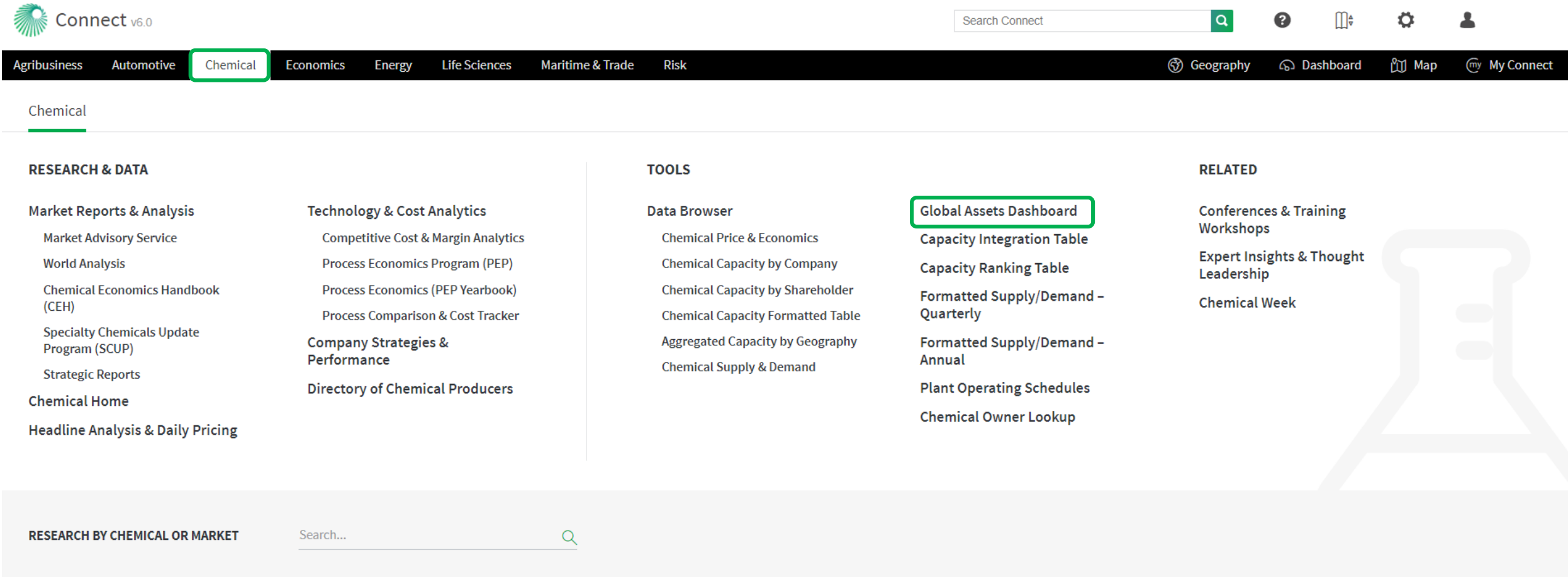
Use the type in box to start your search

Global Assets

Historical and Projected Chemical Capacity Data

Global Assets Dashboard Navigation

In Connect, hover over the **Chemical** menu > Click on **Global Assets Dashboard** to access dashboard.



The screenshot shows the IHS Markit Connect v6.0 interface. At the top, there is a navigation bar with the following categories: Agribusiness, Automotive, **Chemical** (highlighted with a green box), Economics, Energy, Life Sciences, Maritime & Trade, and Risk. On the right side of the navigation bar, there are icons for Geography, Dashboard, Map, and My Connect. Below the navigation bar, the 'Chemical' section is active, displaying a list of options under three main headings: RESEARCH & DATA, TOOLS, and RELATED. Under RESEARCH & DATA, there are links for Market Reports & Analysis (including Market Advisory Service, World Analysis, Chemical Economics Handbook (CEH), Specialty Chemicals Update Program (SCUP), and Strategic Reports), Chemical Home, and Headline Analysis & Daily Pricing. Under TOOLS, there is a Data Browser section with links for Chemical Price & Economics, Chemical Capacity by Company, Chemical Capacity by Shareholder, Chemical Capacity Formatted Table, Aggregated Capacity by Geography, and Chemical Supply & Demand. The **Global Assets Dashboard** link is highlighted with a green box. Under RELATED, there are links for Conferences & Training Workshops, Expert Insights & Thought Leadership, and Chemical Week. At the bottom of the page, there is a search bar labeled 'RESEARCH BY CHEMICAL OR MARKET' with a search icon.

Global Assets



Live data of projected and historical capacity (dating back to 1990 / 10-year forecast)
Includes announced and known capacity + Includes IHS Markit expert view on likely future capacity per region



400+ Chemicals
Assess the capacity by production of selected assets across the full range of the petrochemical value chain



+ 21,000 Unique Chemical Manufacturing Plant Sites
Evaluate production location by region / country / city



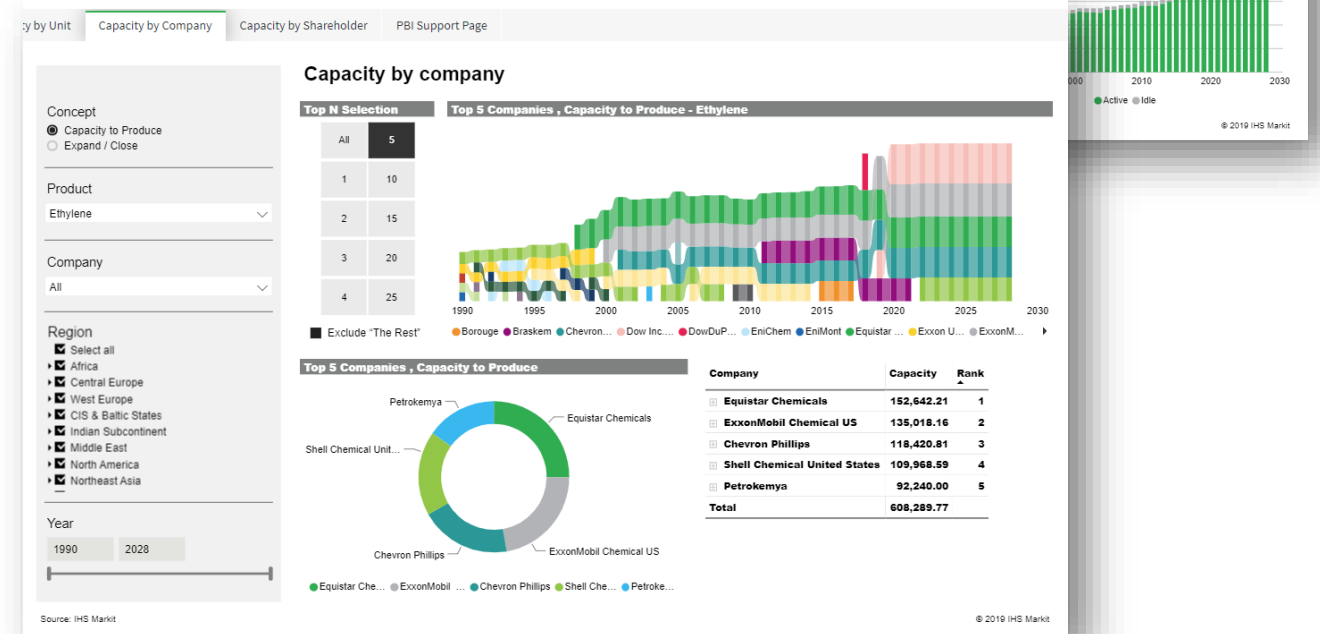
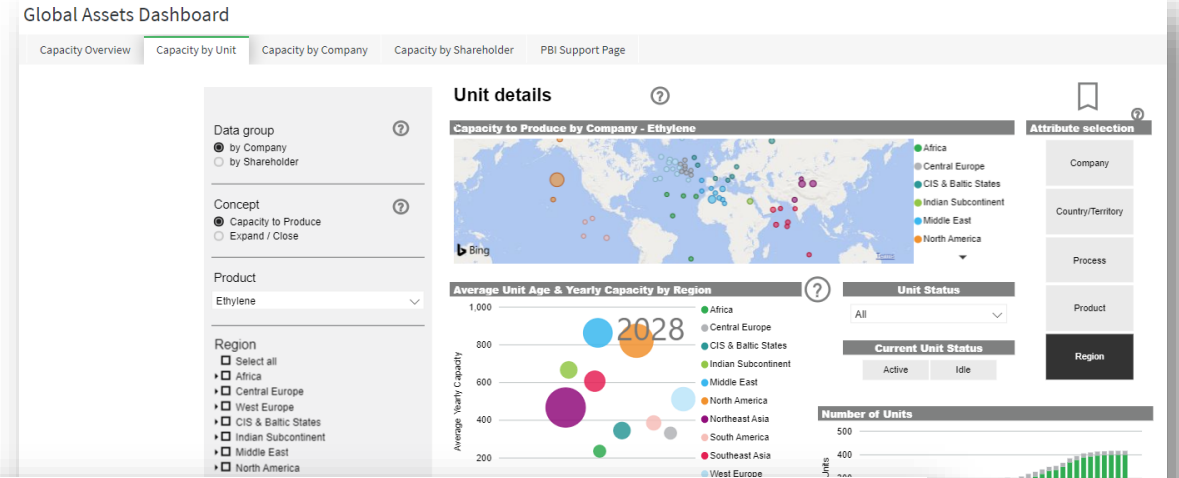
+ 1,200 Processes
View Feedstocks/ processes technologies being used for existing and new plants



+ 15,000 Companies
Create a query by company and view shareholder split & % of ownership for each asset



+150 Countries



How can Global Assets help you



Understand chemical landscape to find opportunities and risks



Analytics tool to evaluate investment decisions regarding a chemical value chain



Assess the viability of acquisition targets



Track global capacity additions and rationalizations across different value chains products in a timely manner and across different timeframes



Monitor opportunities and threats to assess profitability in a competitive market



Asses and benchmark companies, understanding the company and shareholder structure, production capacity and technologies involved

My Connect

Email alert options and your saved research.

My Connect

Click on **My Connect** in the black menu bar to manage **Email Notifications** and retrieve **Saved Content**.

Home: View your selected notifications and latest saved content.

My Notifications: View your selected email notifications by type (Immediate, Daily, Weekly)

Standard Email Notifications: A listing of all available email notifications within your subscription.

Saved Content: Retrieve and edit your saved content by type and folder.

The screenshot shows the 'My Connect' interface. At the top, a navigation bar includes 'Agribusiness', 'Automotive', 'Chemical', 'Economics', 'Energy', 'Life Sciences', 'Maritime & Trade', 'Risk', and 'Energy Advisory & EV'. On the right, there are links for 'Geography', 'Dashboard', 'Map', and 'My Connect' (highlighted with a red box). Below the navigation bar, a sidebar on the left contains 'My Connect', 'Home', 'My Notifications' (6), 'Standard Email Notifications' (6), and 'Saved Content' (84). The main content area is titled 'My Notifications' and features a summary for 'Immediate' (5 @ any time), 'Daily' (1 @ 9 am), and 'Weekly' (0 Friday @ 9 am) notifications. A note states: 'Number of emails delivered daily: 2. You will receive one daily email with updated content for all of the notifications set to "Daily" unless you choose to separate them via the "Separate email" option.' Below this is a table for 'Connect Daily Summary':

Type	Notification name	Source	Immediate	Daily	Weekly
Σ	Connect Daily Summary	Connect Daily Summary		<input checked="" type="checkbox"/>	

A note below the table reads: 'The Connect Daily Summary is an auto-populated notification combining all updated content related to your subscription on Connect, delivered each day.' Below this is another table for 'My Connect Daily Notifications':

Type	Notification name	Source	Immediate	Daily	Weekly
	World Analysis	Chemical	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Global Acetone	Chemical: Market Advisory Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Global Plastics & Polymers	Chemical: Market Advisory Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Contact Us

For questions or assistance, contact our Customer Care team.

Schedule a complimentary Connect training:

IHSConnectTraining@ihsmarkit.com

Access IHS Markit Connect anywhere, anytime for the information, insight and analytics necessary to make critical decisions. Download the free Connect [iPad](#) and [Smartphone](#) apps to your mobile device.



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