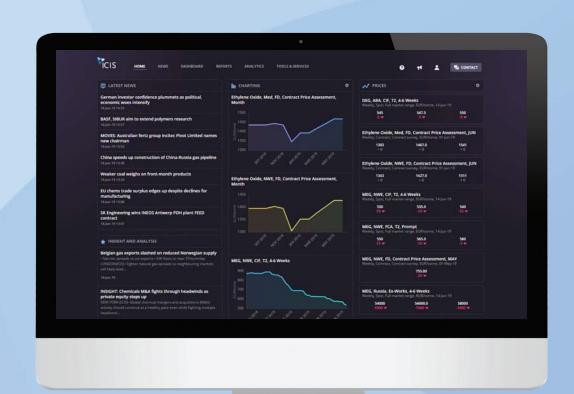


ICIS.com User Guide Petrochemicals



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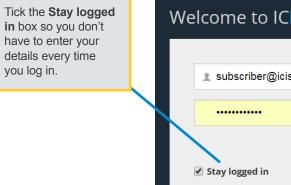


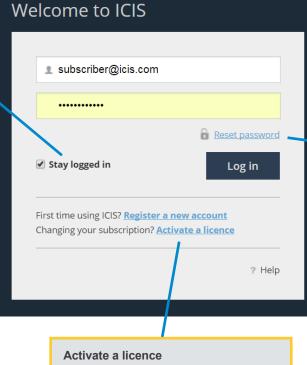




To log in please go to https://subscriber.icis.com

1 Enter your **user name** (the email address you used to register for the service) and **password**.





To activate a new subscription or to renew your subscription add the key licence number that you have received in the email confirming your subscription.

Register a new

This will open the New ICIS User Registration window. Fill in the details requested to set up your account.

account

- 2 If you have forgotten your password, you can reset it by clicking on the Reset password link.
- 3 Enter your email address in the box and click submit

To reset your password please enter your email address in the box below and click submit.

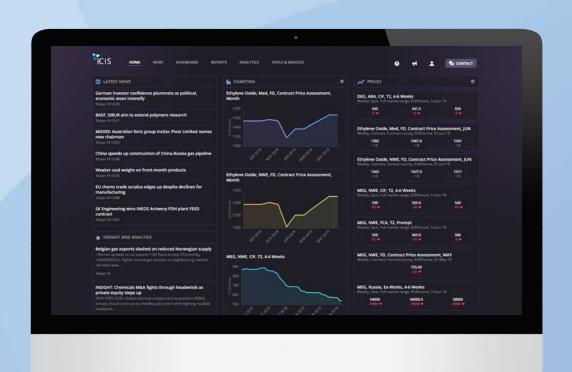
Email address

Submit

4 You'll receive an email with a link prompting you to enter your new password.



Home Channel







The Home Channel provides users with instant access to data, market updates, expert insights, prices and charts on a single page.

The Home Channel will be set up based on your subscription.

If you have entitlement to fewer than six reports, your home screen prices and charts will pre-populate with those price assessments. If you have more than six reports, at first login you will be prompted to select which reports you want displayed for both pricing and charting.

The Latest News window shows real-time, business-critical information that enables you to make vital decisions. The articles shown are based on your subscription. Click on the title to read the full article.

The Insight and Analysis window shows in-depth, forward-looking analytical content, giving you a broader view of the major developments across the chemicals markets and industry. The articles shown are based on your subscription. Click on the title to read the full article.

The Charting window shows the price movements of your commodities over the past six months. You can change the charts you see at any time. The Home Channel can display up to six charts.



Find contact details for the ICIS client success team here. If the 'live chat' option is enabled, initiate a chat with an agent. If the option is greyed out, please try again later.

Click here to:

- Change your password or language preferences
- View our cookie and privacy policy, and terms and conditions
- Log out

View announcements from ICIS and any correction notices for reports here.

Access our help and support pages, information about ICIS methodologies used by our editors, and ICIS' publishing schedule here.



Editing Your Home Channel

Contents page

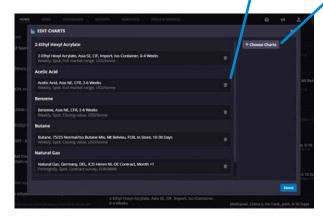


Charting

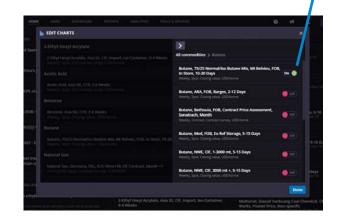
To choose different commodities, click the 'settings' button at the top right-hand side of the Charting window.



• To remove charts, click on the 'bin' icon.

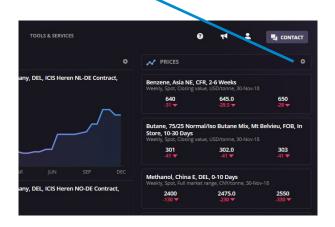


 To add charts, click on '+ Choose Charts'. Select the commodity and region (if applicable). Then you can toggle on the commodities you want displayed.

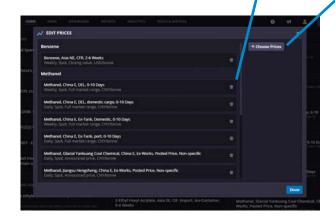


Pricing

To choose different commodities, click the 'settings' button at the top right-hand side of the Pricing window.



• To remove prices, click on the 'bin' icon.



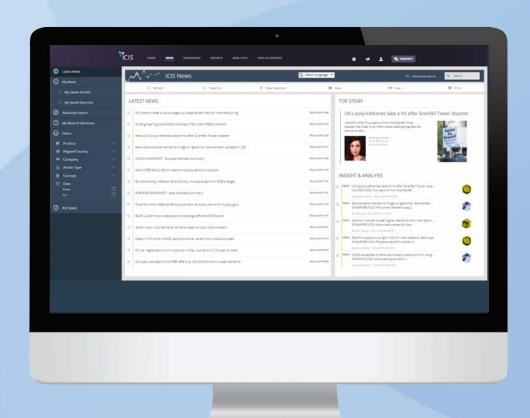
 To add prices, click on + Choose Prices'. Select the commodity and region (if applicable). Then you can toggle on the commodities you want displayed.

EDIT PRICES		
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	Butane, ARA, FOR, Barges, 2-12 Days	•
		•
	Butane, Bethoula, FOB, Contract Price Assessment, Sonatrach, Month Health, Contract, Cantact Humay, UlDinama	• 0
	Butane, Med, FOB, Ex Ref Storage, 5-15 Days	• 0
	Butane, NWE, CIF, 1-3000 mt, 5-15 Days	• 0
	Butane, NWE, CIF, 3000 mt +, 5-15 Days	• •



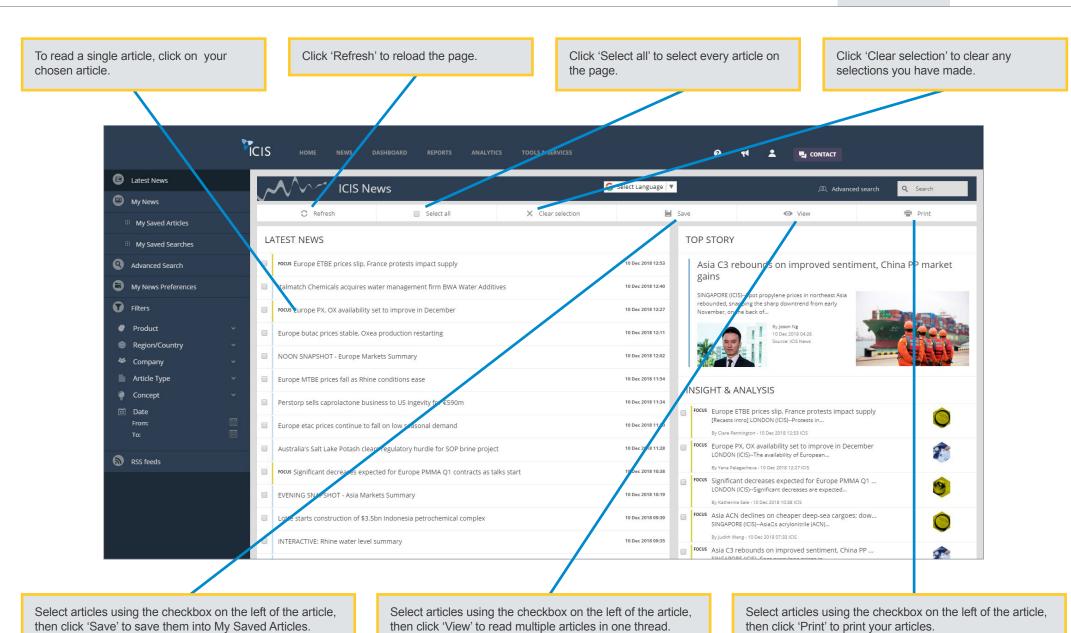


News Channel and Magazine



Contents page

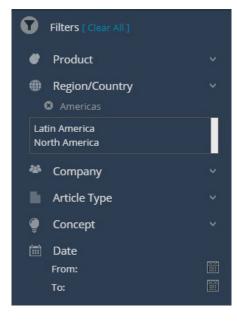




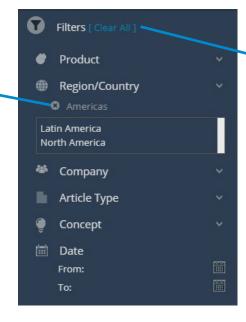




To customise your Latest News, you can select a range of filters from the left-hand navigation menu. These filters will apply to the Latest News Feed and the Insight & Analysis Feed.

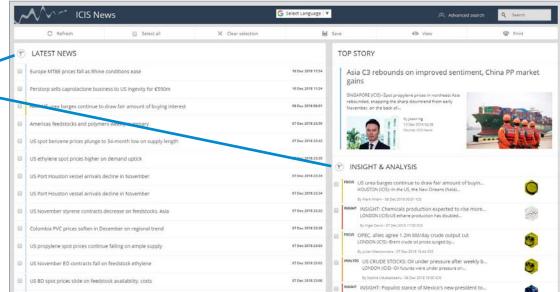


To remove a filter, click on the cross that appears next to it in the left-hand navigation menu.



To clear all of your filters, click on 'Clear All' in the Filter section of the left-hand navigation menu.

These filters will be remembered from session to session. If you have active filters, the filter icon will appear next to your news feeds.



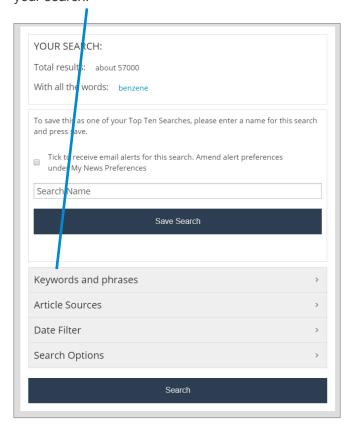




To search for an article within Latest News, type keywords (e.g. part of an article's headline) into the search box on the right.



To refine a simple keyword search, click on any of the grey boxes and enter search criteria to narrow your search.

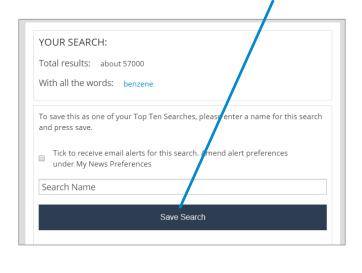


To do an advanced search, click 'Advanced Search' in the left-hand navigation bar. Click on any of the grey boxes and enter search criteria to refine your search.

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₩ My Saved Searches	Key vords and phrases
Advanced Search	
My News Preferences	To narrow down your search you can enter keywo
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	With exact phrase
	With at least one of the words
	Without the words
	Boolean learch
	The maxin um number of terms (words without brack
	Article Sources
	Date Filter
	Search Options
	Search

Save your searches

After you have completed a search, you can save it as one of your 10 saved searches by entering a search name and pressing 'Save Search'. To view the output of your saved search, click 'My Saved Searches' in the left-hand navigation menu.





Setting Up My News Preferences

Contents page



ICIS News comes with an email alert service, ensuring you receive the news you need straight into your inbox. These email alert options are all customisable under the My News Preferences section of the ICIS News Channel.

There are three different types of email alerts:

Breaking News

Tick the Breaking News checkbox to receive breaking news as it unfolds, directly into your inbox.

ICIS News daily updates

Set up daily alerts for one or more of these categories: Olefins, Aromatics, Fibre intermediates, Methanol & MTBE and Polymers. Use the checkboxes to select your preferred category or categories and receive an email at 15:00 your local time, with all relevant stories that have appeared on ICIS News in the last 24 hours.

Saved searches

Receive email alerts from specific saved searches; tailor your alerts to your more specific information needs. Use the checkboxes to receive email alerts from a saved search.

You can amend your email alert preferences at any time by selecting 'My News Preferences' from the left-hand navigation menu.

/ - •	News - My preferences	G Select Language ▼	, Advanced search Q Search
Alerts			→ Update Preferences
Breaking News - rece	ive breaking news alerts straight to your inbox		
Sign up for an ICIS news dail	update for the products below, and we will email you at 5pr	n every day (your local time), all the relevant sto	ries that have appeared on ICIS news in the last 24 hours.
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Aromatics			
Fibre Intermediates			
■ Methanol & MTBE			
Polymers			
	rches. To enable email alerts for your searches please select nelp on setting up alerts please click here.	the Email option. To view the content of your sat	ved searches please click My Saved Searches under My News. Email
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Our global team of experts digests and summarises the key issues and their potential impact on the chemical markets. They offer a comprehensive overview of key developments, along with informed opinion and in-depth analysis.

Our Magazine offers:

- In-depth insight into chemical price changes and their impact on the markets
- · The details behind headline news stories
- Supply and demand trends and the factors impacting them
- A curated, holistic picture of the chemical markets

To access the latest issue of the Magazine, click on the 'Latest Issue' tab.

Click on 'All Issues' to access our Magazine archive, dating from July 2017.

Next to each issue is a 'Download' button. Clicking this allows you to quickly download the issue in PDF format, which you can read offline.





Chemical Business News Base (CBNB)

ICIS

Contents page

You can opt to subscribe to content from Chemical Business NewsBase (CBNB), a third-party provider, within your ICIS News subscription.

CBNB is a leading provider of worldwide chemical business news. CBNB offers timely information essential for tracking trends and developments in the chemical and chemical engineering industry.

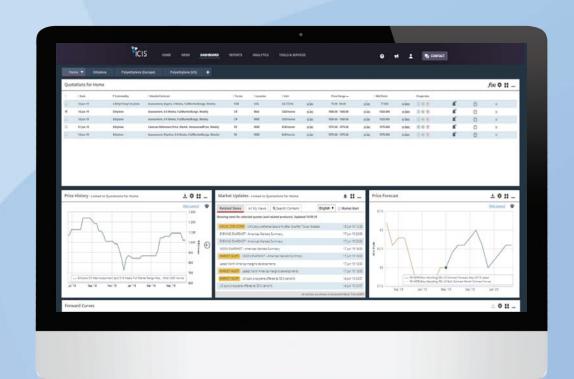
It includes financial and business data from influential chemical companies, the latest industry R&D news, intelligence on government legislation changes, and analysis of economic trends.

If you have subscribed to the CBNB add-on, you will automatically see CBNB news articles within your News Channels.

If you would like to add CBNB to your subscription, please contact your account manager or ClientSuccess@icis.com.



Dashboard Channel



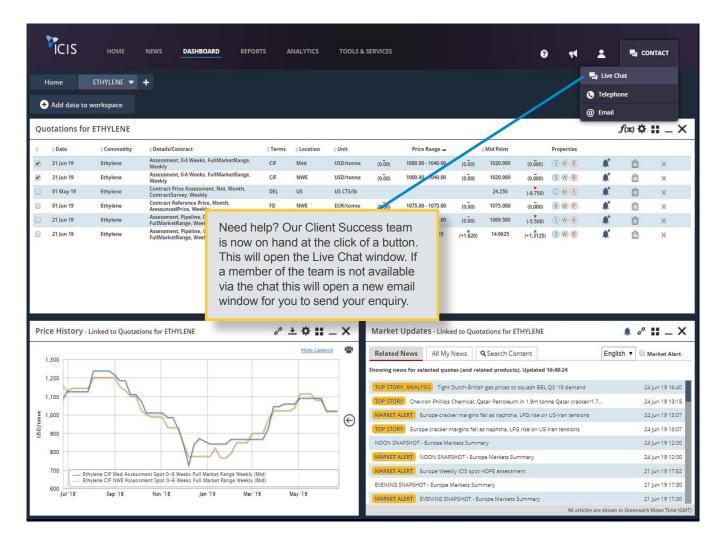


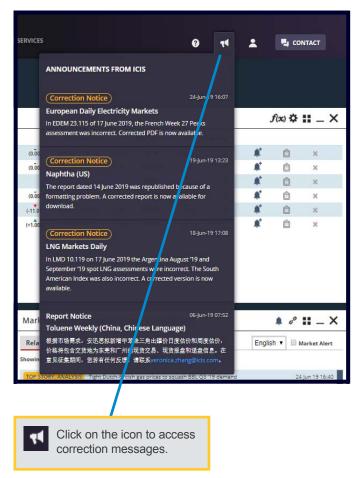


The **Dashboard Channel** displays the dashboard view with Home and Workspace tabs.

If you are a first-time user, a welcome message will pop up. When

you close that message, you will be automatically directed to the Quotations Preference Window in your Home Channel. Here you'll be able to select what you would like to see on your Dashboard.







Setting Up Your Quotation Preferences

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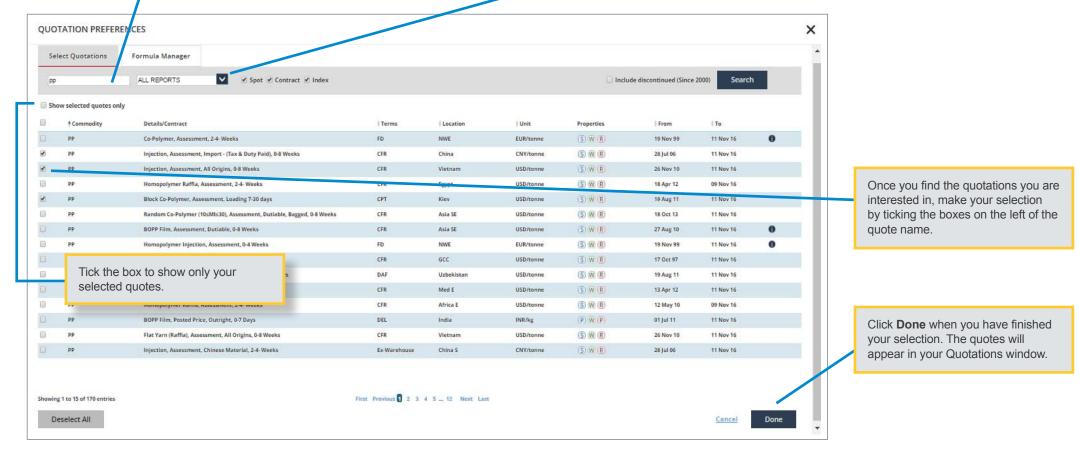


When accessing the Dashboard channel for the first time, click on 'Select quotation' on the 'Quotations for Home'



In the Quotations Preferences window, you can find quotes in three different ways:

- 1 Use the search quotes box: enter your search term and click on the search button to the right.
- 2 Find the report that you need in the ALL REPORTS drop-down menu and click on search. The results will display quotes related to that report.
- 3 Click through the pages at the bottom of the window to browse all available quotations.



Price History Window

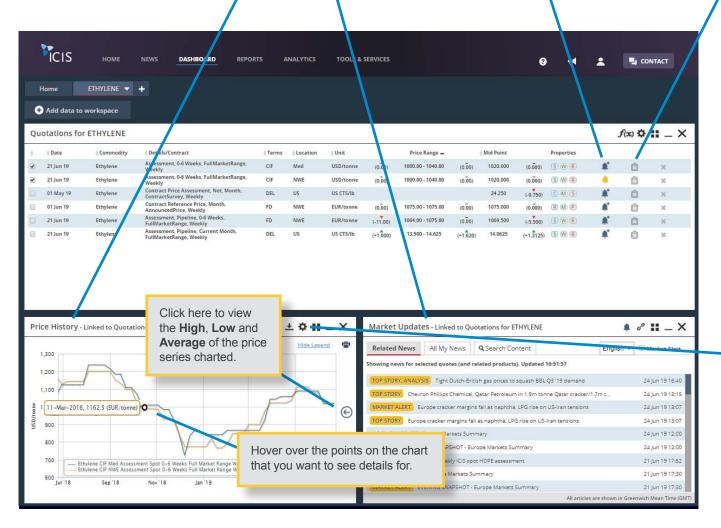
Contents page



Once you have selected your quotes, you can decide which of these you wish to see price history and related news for. You can do this by selecting the tick box next to the quote. The information will then automatically appear in the **Price History** and **Market Updates** window.

Click on the to set up a Price Movement Alert for this assessment.

Links back to the corresponding price report where the listed quotation is published.



Keep in mind that when comparing different quotes, the units of the selected quotations must be the same or you will get an error message in the Price History window. Click on the Settings icon to resolve the error.

To display this price history comparison, the currency of all selected quotes on each axis must match unless a specific conversion currency is chosen. The same is true for the selected unit of measurement. Click on the configuration icon above to change the currency or unit of measurement to display the graph.

Click on the **Settings** icon to edit data that you want to chart. The **Settings window** allows you to edit the currency, unit, date range and frequency for your selected quotes.

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Market Updates Window

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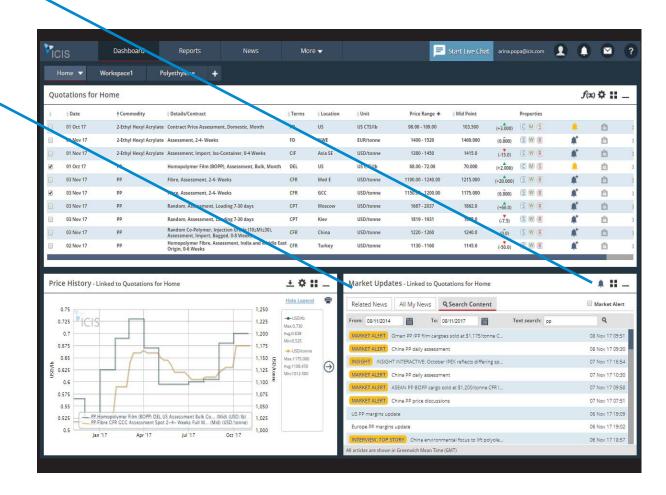


The Market Updates window displays news articles based on your settings.

- 1 Based on the default setting, you will see related news to your selections in the Quotations Home window.
- 2 You can change this view to see all news that you are subscribed to, or search for specific content by making the relevant selection.

A ## _ Market Updates - Linked to Quotat ns for Home Market Alert Related News Q Search Content Q From: 08/11/2014 Text search: pp MARKET ALERT Oman PP IPP film cargoes sold at \$1,175/tonne CFR Malaysia 08 Nov 17 09:51 MARKET ALERT China PP daily assessment 08 Nov 17 09:30 INSIGHT INSIGHT INTERACTIVE: October IPEX reflects differing spot/contract views, little dire. 07 Nov 17 16:54 MARKET ALERT China PP daily assessment 07 Nov 17 10:30 MARKET ALERT ASEAN PP BOPP cargo sold at \$1,200/tonne CFR Indonesia 07 Nov 17 09:58 MARKET ALERT China PP price discussions 07 Nov 17 07:51 06 Nov 17 19:09 Europe PP margins update 06 Nov 17 19:02 INTERVIEW, TOP STORY China environmental focus to lift polyolefins - LyondellBasell CEO 06 Nov 17 18:57 All articles are shown in Greenwich Mean Time (GMT

3 Click on the ♣ to set up your email alerts.
There are three types of alerts: Price Alerts,
Market Alerts and Summary Alerts.



Creating New Workspaces and Tabs

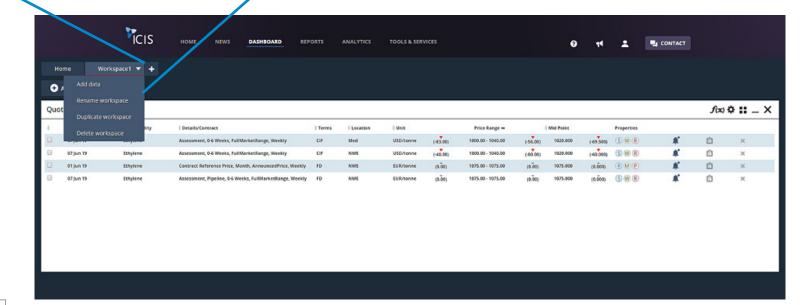
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The Home Channel is a fixed feature. You'll be able to easily navigate your way from here and create additional workspaces for your markets.

1 Create additional workspaces by clicking on the + button shown. Up to 15 workspaces can be created. The order of the workspaces can be rearranged by clicking on the tab, dragging and dropping (although they cannot be placed to the left of the Home tab, which will always remain the first tab).

2 You can now rename your workspaces by clicking on the triangle icon on the workspace tab. This will also provide you with the options to add data, duplicate workspace or delete workspace.



WORKSPACE NAME

Name Workspace1

The name of the workspace can be edited by double-clicking on the tab and renaming in the pop-up dialog box.



Workspaces - Adding Data

Contents page



Adding data to your workspaces allows you to personalise your workspaces with additional windows.

1 Add a new window by clicking on Add data to workspace. A pop-up window that allows you to make your selections will appear.

+ Add data to workspace

- 2 You can add one Quotations window per workspace only. This window will always remain at the top of the workspace. You can add multiples of the other windows (up to a total of 11 per workspace).
- 3 Windows can be rearranged by dragging and dropping.

Windows icons options

- **≛** Download
- Gear icon- change settings for the data you want to display in the window
- ## Flexible Windows
- Minimise
- X Close- delete from workspace



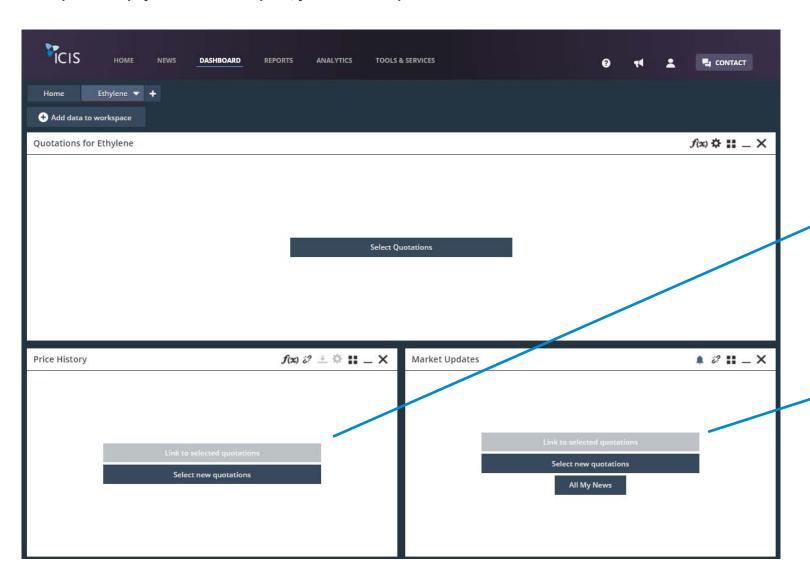


Windows - Linking Price History and Market Updates

Contents page



When adding Price History and Market Updates windows to any workspace except your Home workspace, you have two options:



- 1 You can display information related to the quotes you selected in the Quotations window by clicking on the "Link to selected quotations" button. If you choose this option, the link icon will appear closed to indicate the connection to the Quotations preference window.
- You can display information related to other quotes within your subscription.
 Click on the "Select new quotations" button to make your selections. If you choose this option, the link icon will appear broken to indicate that the information is not connected to the Quotations window.

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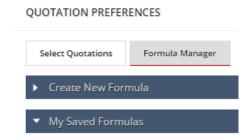
The Formula Builder allows you to effortlessly create and track your contracts as market prices shift, by integrating your formulas into your Dashboard. You can configure and save your formula, to benefit from instantly updated price series and contract prices, all in one place.

The Formula Builder is available with all Dashboard subscriptions.

1 In the Quotations window, click on the **f(x) icon**.



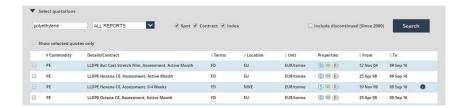
2 Click on the arrow for **Create New Formula** and follow the steps.



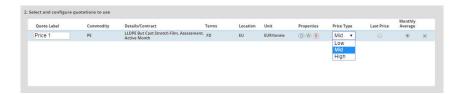
3 Add Formula Name and pick your Currency, Units and Frequency.



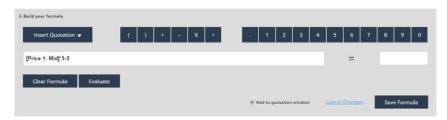
4 Click on Select Quotations and pick the quotations that you will need to build your formula; add a quote label for each to help you when integrating.



5 Choose **Price Type** required.



6 Build formula using the numeric values, calculation operators signs and chosen quotations.



- 7 Click Evaluate.
- 8 Click Save formula this is added to the Quotations Window by default.



Set Up Email Alerts

Contents page



You can now set up personalised alerts and manage your preferences in one place. Customise your preferences at any time – easily enable new alerts or disable ones that you don't need.

There are three types of alerts which you can set up:

1 Price Alerts

Notifications informing you of changes in your price assessments or formulas, triggered by the criteria that you choose.

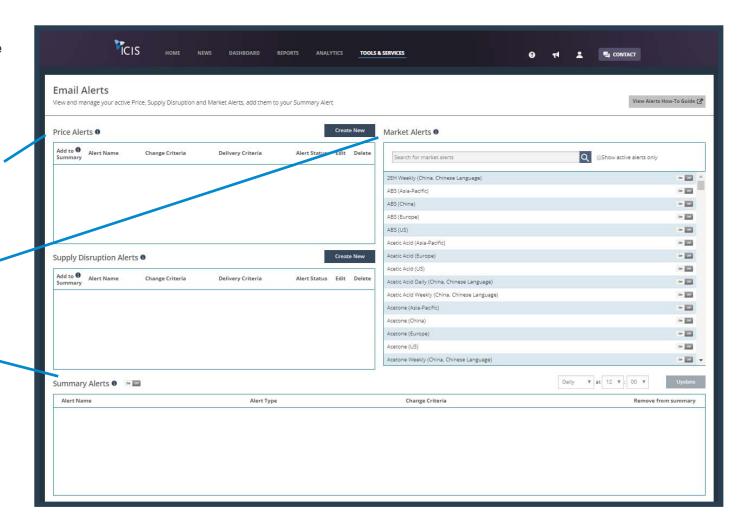
2 Market Alerts

Real-time news notifications on individual commodities about price changes and events affecting prices.

3 Summary Alerts

A single email summarising your selected alerts. Tailor frequency, date and time to best suit your information needs.

You should be able to see new icons in the navigation bar, the Market Alerts window and the Quotations window on the Home Channel. If they cannot be seen on your platform you may need to refresh your browser by clicking CTRL+F5. You should then be able to view all the new icons.





To set up your **Email Alerts**, click on the **Bell icon** found under the 'Quotations for Home' and 'Market Updates' windows. Alternatively, go to 'Alerts' under Tools & Services in the main navigation.

Email alerts will be sent from alerts@icis.com. Make sure that you exclude this address from your spam filters in order to have timely access to your selected market updates.



Set Up Price Alerts

Contents page



To set up an alert, click on the Create New button on the Email Alerts window or click on the **M** in the **Quotations** window for your chosen price assessment.

This will open the Create New Price Alert window.

1 Enter a name for your alert.

You have three options to

1 Any change in price. 2 Price increases.

> decreases or changes by a specified percent.

3 Price rises above falls

below, or changes by

a specified value.

You can select the High. Mid or Low price point for

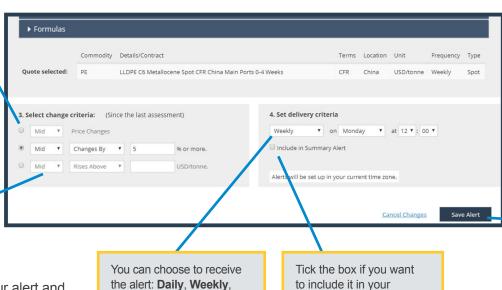
your alert.

trigger your alert:

2 Use the Search Quotes function to find the price you subscribe to, then select it in the list of results.

You can also set up a Formula Alert by selecting one from your saved Formulas. Click on the icon to open the list.

3 Configure the change criteria that will trigger your alert since the last assessment.



CREATE NEW PRICE ALERT - Manage email aferts for Price and Formula movemen 1. Name your alert: (Maximum of 50 characters San 1, 2017 1 2 3 4 5 6 7 8 9 10 Next Latt

> All the Price Alerts that you set up will be listed in the Price Alerts section.



5 Once you have made your selection, click Save Alert.



4 Set the delivery criteria for your alert and specify a time and date.

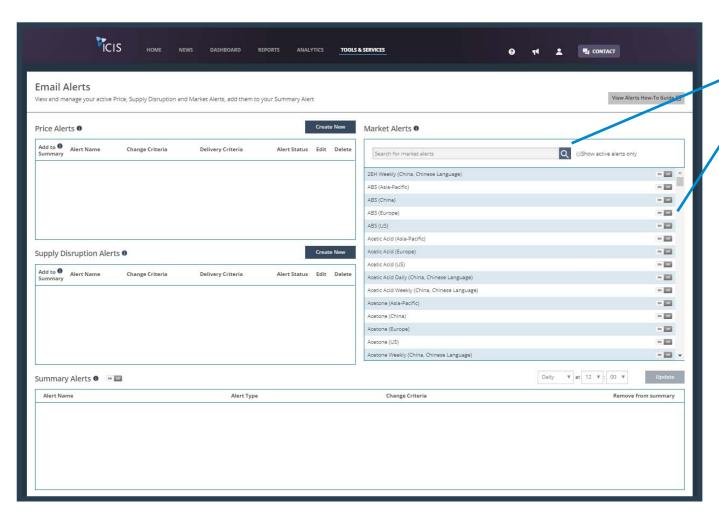
Monthly or On Publication. **Summary Alert.**

User Guide 24 www.subscriber.icis.com

Set Up Market Alerts

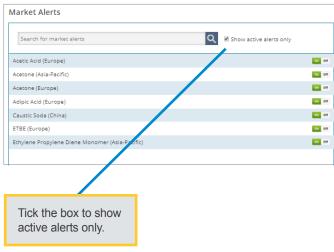
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To set up your market alerts, follow the steps below:

- Search for the market you subscribe to by using thesearch function or by scrolling through the list.
- Select the commodity and region that you want to receive the market alerts for by clicking on the button. The button will turn to to show that the alert is active.





Email alerts will be sent from alerts@icis.com. Make sure that you exclude this address from your spam filters in order to have timely access to your selected market updates.



Set Up Summary Alerts

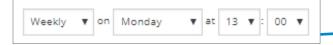
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You can choose to receive a single email summarising your chosen alerts and tailor the frequency and time to your needs.

To receive **Summary Alerts emails** follow the steps below:

- 1 Tick the Add to Summary check box in your Price Alerts list. Your alerts will automatically appear in your Summary Alerts list.
- 2 Activate your **Summary Alerts** by clicking on the . The button will turn to . To show that the alert is active.
- 3 Set the delivery criteria for your Summary Alerts email and specify a time and date.

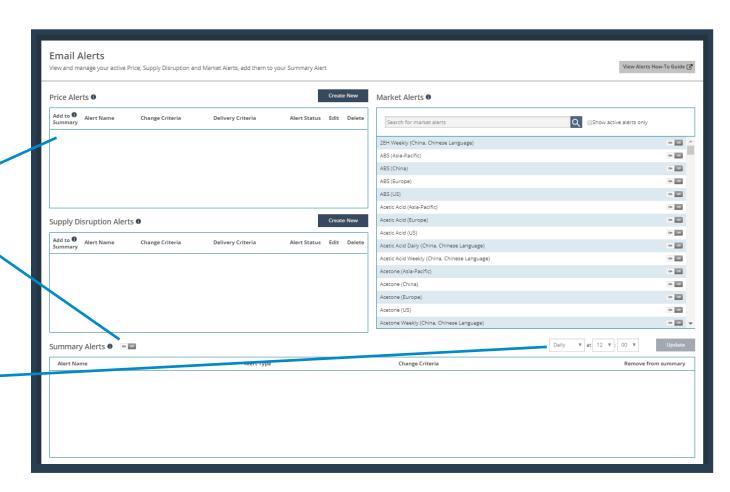


4 Once you made your selection click on the **Update** button.

Update

You can also choose to receive **Summary Alerts** instead of individual emails for your alerts if you prefer to receive one email instead of individual alerts.

You can do this by following these steps:



- 1 Add your alerts to **Summary** by ticking the box in the **Price Alerts list**.
- 2 Deactivate your individual Price Alerts.
- 3 Make sure the Summary Alerts button is active. a m





Windows - Price Forecast

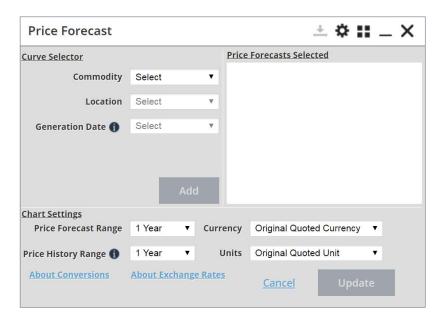
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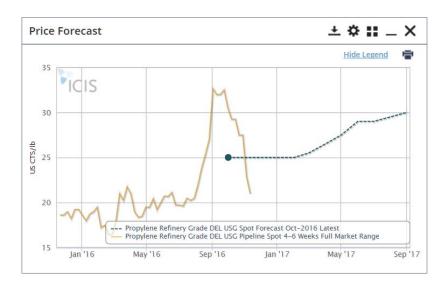
The Price Forecast Window allows you to chart the price forecast against the last (rolling) twelve months of related price history.

This window is available as part of the Price Forecast reports subscription or as a separate subscription, not including the Price Forecast reports.

- 1 To add a Price Forecast Window to your workspace, click on the **Add data to workspace** button.
 - + Add data to workspace
- 2 Scroll down and select the option Price Forecast on the left side. Click Add to workspace.
- 3 Once the window is added click on Select settings.



- 4 Select Commodity, Location, and Generation Date.
- 5 Once you made your selection click **Add**.
- 6 Repeat as necessary to add further quote selections. A one-year price forecast series and one-year of price history is the default for each quote selection, but shorter series can be selected. Original quoted currency and original quoted unit are defaults, but other currencies and units can be selected.
- 7 Once you have made your selection click **Update** to chart.



Data shown in chart is for illustrative purposes only.



Supply and Demand Window

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The ICIS Supply and Demand Window uses detailed, objective data on global petrochemical supply, demand, production capacity, and trade flows to empower your business to make long-term, evidence-based decisions.

This window is only available to ICIS Supply and Demand data subscribers.

1 The Supply and Demand window can be accessed via the Add data to workspace button and then via the subsequent menu window.

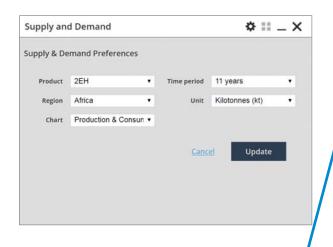
+ Add data to workspace

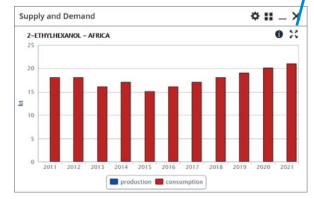
2 Once you have added the window to your workspace you will be prompted to Select product and region.

Select product and region

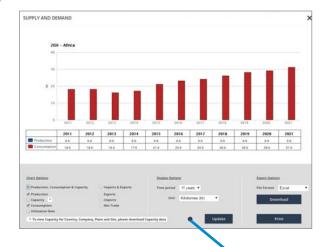
You can customise the product, region, time period and unit as well as the type of supply and demand chart you would like to see, i.e. **Production & Consumption**, **Capacity & Production** or **Imports & Exports**, by clicking on the drop-down menus.

3 Click Update when you have made your selections.





4 Once you have charted your data, you can go back to change your selection using the Settings icon. 5 You can view the chart in full screen as well as the underlying data by clicking on the expand icon.

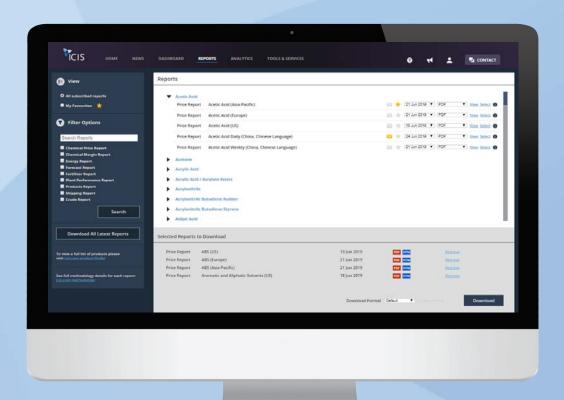


6 From this view, you can alter the data displayed as well as download or print the data and full chart.

Links to ICIS' Supply and Demand Data methodology.



Reports Channel



Overview

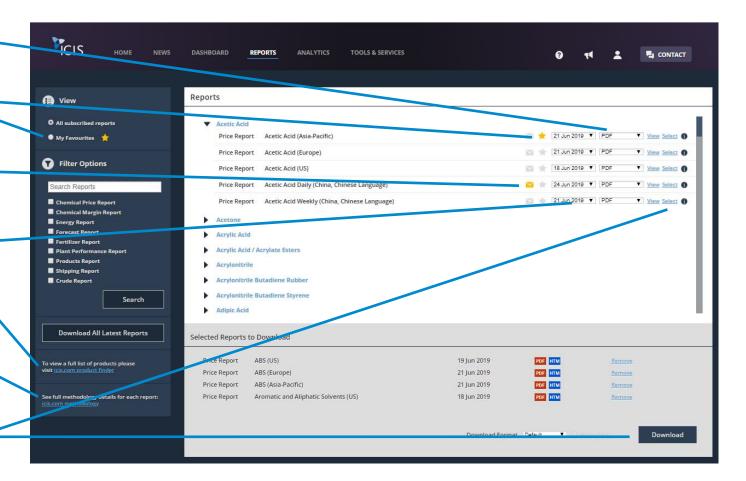


By clicking on the **Reports tab** on the top navigation bar, you can switch the view to see a list of reports you have subscribed to. This view allows you to search for reports, view them online or download them as PDFs. Also, here you can view a reports archive, select favourite reports and set up report alerts.

- 1 Search by keyword in the **Search Reports box**. You have the option to apply filters to the results.
- 2 Click on the arrow icon on the right side of each commodity name to expand the view and see all reports available as part of your subscription.
- 3 You can download all the reports included in your subscription by clicking on the Download All Latest Reports button.

Select viewing mode (online, PDF, Excel where available). The **Star icon** allows you to make a report a favourite. This will be saved on the My Favourites view in the left menu. The **Envelope icon** allows you to turn on email alerts, letting you know when the latest report is available. The Calendar icon allows you to select the date of the report. There are 12 issues of archive available. Links to ICIS's full list of available reports hosted on our external website. Links to the methodology details for ICIS reports, hosted on our external website.

To download multiple reports click on **Select** and then on the **download button** at the bottom of the page.





Petrochemicals Analytics Tools





Live Disruptions Tracker - Supply

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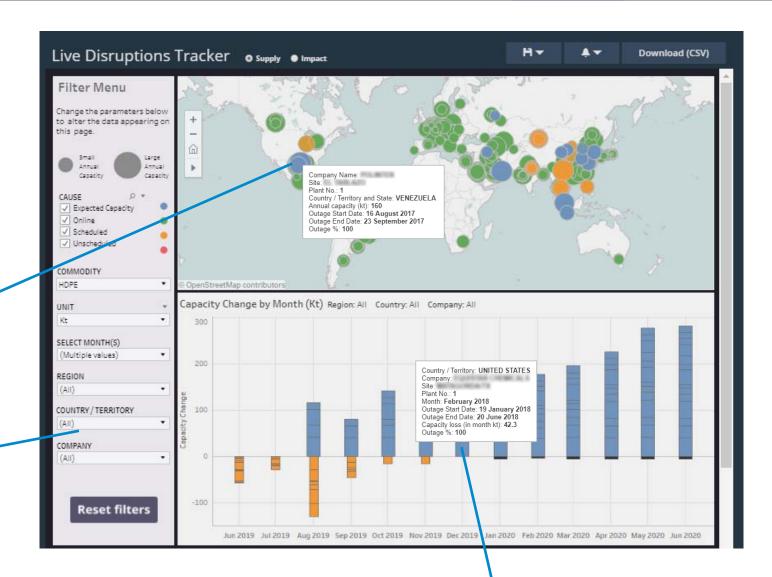
The Supply View of the Live Disruptions Tracker shows you scheduled and unscheduled global shutdowns, expected new capacities, capacity expansions and capacity contractions, as well as plants that are online.

Access the Live Disruptions Tracker here >

Alternatively, select the Live Supply Disruptions -Supply tile under Analytics in the top navigation.

The bubbles show all disruptions matching your selection. They are colour coded as shown in the 'cause' filter menu. Their size indicates the relative impact of each shutdown based on the respective plant capacity. Hover your cursor over the bubbles to see further information on individual plants.

Refine your results using the filters on the left panel. Default timeframe is from the current month and 12 months forward. Historical data is available from June 2017.



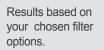
Month-on-month view of changes resulting from shutdowns and new capacity expected to come online. Hover over sections of the chart to reveal detailed information at plant level.

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Live Disruptions Tracker - Supply (continued)

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Dynamic charts showing the sum of lost capacity, pro-rated over the selected months. View your selection both regionally and globally.

Download Shutdown table (CSV) Live Supply Disruption Tracker Saved Filters ▼ our Selection (kt) EUROPE FORMER NORTH MIDDLE NORTHEA ND SOUT Cause Cause USSR AMERICA EAST STASIA HEASTA Unscheduled 486.0 Unscheduled 18.2 335.4 13.8 Unscheduled 486.0 29.6 Scheduled 682.0 Scheduled 682.0 200.7 13.2 100,479.3 3.432.9 3.738.4 12.444.4 1.734.2 Online Total Total Force Outage Capacity Maje Latest Article Annual Capacity Cause (kt) Outage End Date Company Loss (kt) ure 15 Jun 2018 NORTHEA CHINA PETROCHIN JILIN 10 May 15 Jun 10231929 320 Scheduled Official No 15 Jun 2018 NORTH UNITED FOUISTAR MATAGOR Unscheduled 28 Aug 2017 21 Sep 2017 551 Official Official 37.7 Yes 10157870 AMERICA STATES 15 Jun 2018 NORTH UNITED EQUISTAR MATAGOR 02 Feb 15 Jun 2018 NORTH UNITED Unscheduled 04 May 2018 29 May OLEF, AND LA Market POLYMERS PORTE/TX 6 10219103 AMERICA STATES 15 Jun 2018 NORTH UNITED OLEF, AND LA POLYMERS PORTE/TX heduled 04 May 29 May Market Market 15 Jun 2018 NORTH UNITED PASADENA 4 26 Aug 110 Official No AMERICA STATES 17 Jun Market

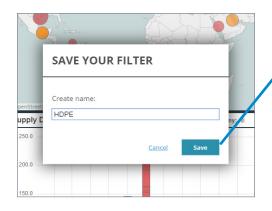
Demo Video: How to access the Tracker and use filters >

Surfaces the details of production capacity loss, and also expected new capacities, capacity expansions and capacity contractions.

Read the latest article about the outage.

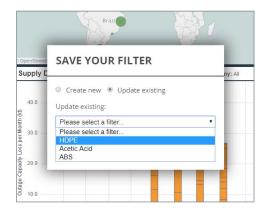
Save a selection for easy access later on without having to reset the filters each time.

Saved filters will be accessible via the drop-down from the Saved Filters button.





Once you have saved a filter, easily update the filter by selecting **Update** existing in the Save Filter + Window.



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Live Disruptions Tracker - Impact

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The Impact View of the Live Disruptions Tracker links production shutdowns with downstream consumption capacity loss. It enables you to assess the market balance and potential price impact.

Access the Live Disruptions Tracker here >

Alternatively, select the Live Supply Disruptions - Impact tile under Analytics in the top navigation.

This graph shows the results of your selection. Production capacity loss is colour coded in yellow, Consumption capacity loss of the associated downstream commodities is in blue.

Refine your results using the filters on the left panel.

Hover over bars in the chart to reveal the commodity names and details of volumes of losses.

Shows by month, the difference between the loss in production capacity and the consumption capacity loss of its downstream commodities. A green bar indicates that the **consumption** capacity loss is greater than the **production** capacity loss. A red bar indicates the opposite: The **production** capacity loss is greater than the **consumption** capacity loss.





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Live Disruptions Tracker - Impact (continued)



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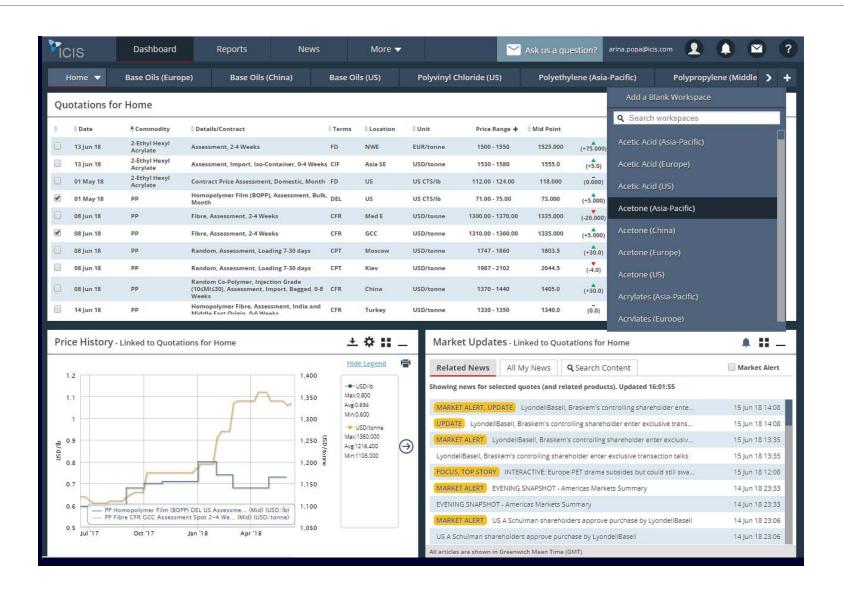


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Price Drivers Analytics

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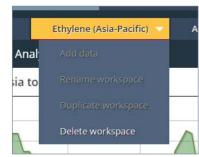
These workspaces give you a visual analysis and impact commentary for multiple factors in one place, such as import or export parity, substitution trends and more.

Available for selected commodities and regions. See list here >

- 1 To view the pre-defined workspaces, select the
 icon.
- 2 Select the commodity and region that you want. A new workspace will be added to your view.

You can save up to 15 workspaces to display at one time.

You can remove a workspace any time by clicking on the drop-down and choosing the **Delete** option.



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Price Drivers Analytics (continued)

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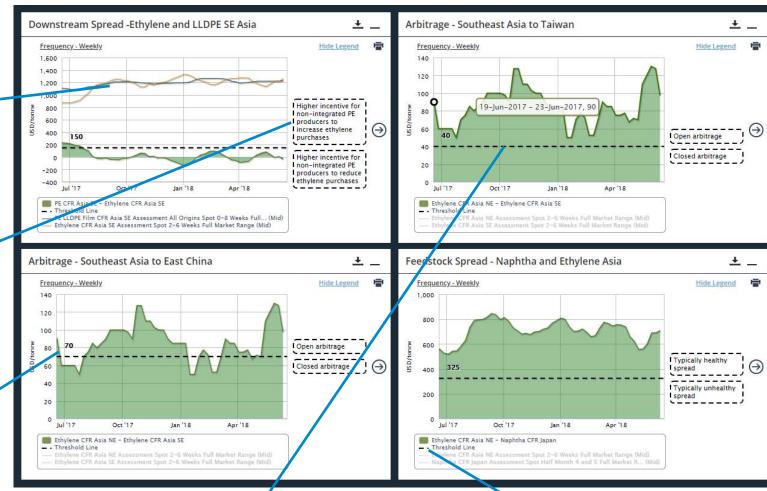


What will each chart provide?

Price series: Comparative price series are plotted per graph which can be edited out depending on your preferences. The price series do not relate to the threshold line or impact commentaries.

Impact commentaries: An at-a-glance understanding of the market reaction caused if a spread goes above or below the threshold, and the neccessary action required.

Spread: Shows the difference between the two price series. Where applicable, ICIS editors take into account consumption factors, VAT and import duties when calculating the spread to ensure the most accurate price comparison.



Example shown: Ethylene (Asia-Pacific)



Threshold line: Indicates the typical point where a market reaction occurs based on the size of the spread. Editors derive this figure based on their knowledge of the market and market validation.

Click to show/hide lines on graph: Hide lines on the graph to allow the chart to rescale to show more details. Or, unhide lines on the graph to identify the driver behind a major change in trends.

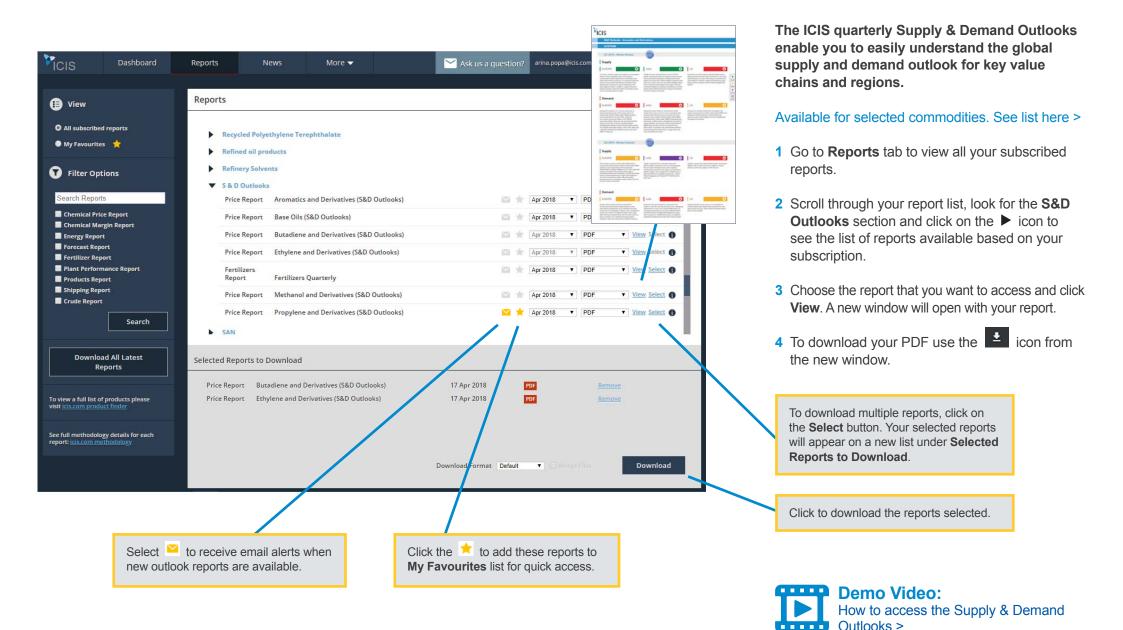
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Quarterly Supply & Demand Outlooks

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Margin Analytics

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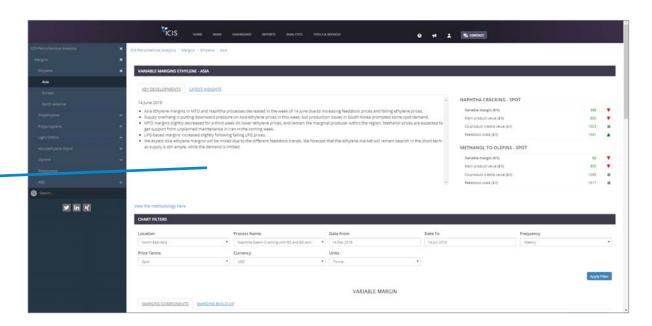
The ICIS Margin Analytics tool provides you with actionable data on variable margins, to inform price talks, benchmark performance, and assess supply risk.

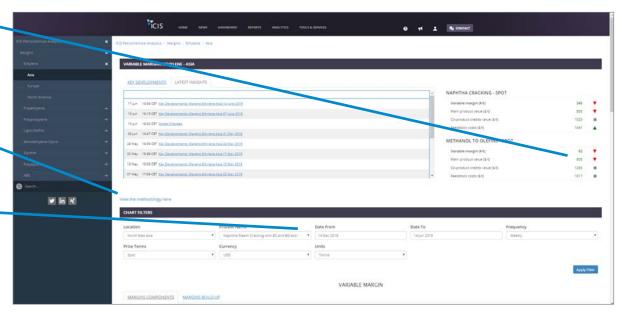
Key developments offers a brief update on weekly changes and implications for the commodity and region selected.

View the weekly performance of the key processes in the region.

View the methodology underpinning each margin analytics webpage.

Historical key developments and notifications can be viewed chronologically under latest insights. Click to open a post. Click the back arrow in the browser to exit the post and return to the main panel.





Margin Analytics (continued)

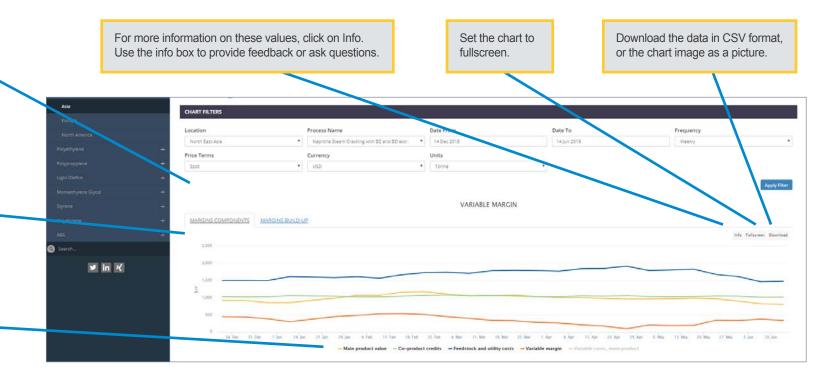
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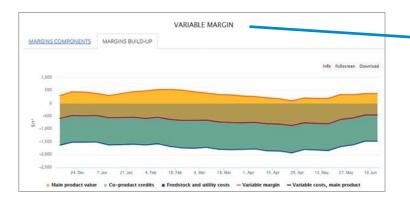


To access margin data, scroll down in the main panel. Filter the data by location and process. Set a time frame, select price terms, and preferred currency and units. Click 'Apply filter' to display the results.

The Margin Components chart displays the main product value, co-product credits, feedstock and utility costs, the variable margin and the variable costs and main product. Hover over the line to see the values.

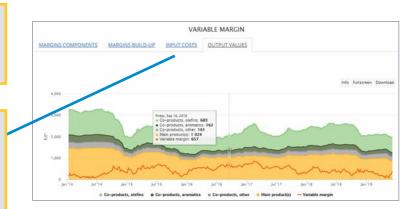
Display of hide the components making up the margin by clicking on the legend at the bottom of the graph.





Click the Margins build-up tab to see a chart that illustrates how the margin is built up from the different components identified in the first chart.

If you are looking at variable margins for a downstream product you can also see a breakdown of the input costs and output values for the selected process by clicking the relevant tab. If your selected product has derivative products, these charts will appear below.



Margin Analytics (continued)

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Scrolling further down, compare the variable margins of production units using different technologies in the same region.

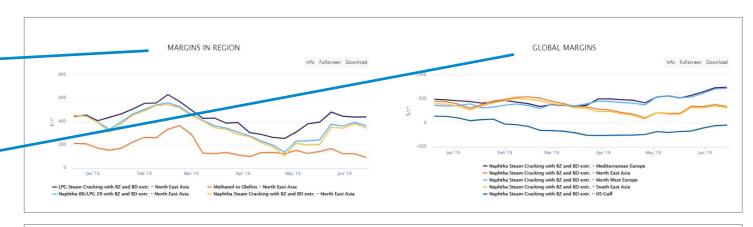
Compare your selected margin with the variable margins of production units using the same technology – this time in different global locations.

View performance trends in costs and margins by week, month, quarter and year.

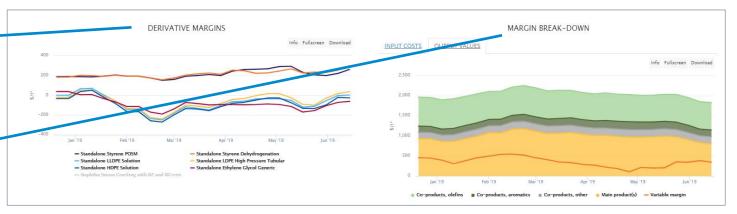
The Process Overview is high-level view of the flows of different products into and out of the representative production unit used to calculate the variable margin in terms of value, and volume.

View variable margins for derivative products (available for upstream products only).

Input costs show the weekly build-up costs in dollars per tonne for the selected process. Output values show the build-up of the values of different types of product in dollars per tonne for the selected process.









Margin Analytics (continued)

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Download the data from each chart, or download all the data available for variable margins, using the Download Data panel at the bottom of the page. Select the area, process type, time period, price terms, currency and units you're interested in, select a format and download.

If you want to download data from multiple queries, and don't want to have to repeat your selection every visit, use the generate link feature to pull up to date data directly into an excel sheet every week.

Simply copy the link and set up the query in excel.







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