

# THE NEXT GENERATION ENERGY TRADING SCREEN



The screenshot displays the TRAYPORT JOULE trading interface with several key components:

- Main Market Grid:** A large table showing market data for various contracts (e.g., Dec-11, Jan-12, Feb-12) with columns for Code, Qty, Bid, Ask, and other parameters.
- Order Entry Form:** A central panel for entering orders, including fields for Price (25.5), Qty (5), Discretionary, Status, Expiry, and Broker.
- Watchlist:** A section below the main grid listing active orders and watchlist items with columns for Code, Qty, Bid, Ask, and other details.
- Trades Table:** A table titled "All Trades" showing historical trade data with columns for ID#, Date/Time, Product, Period, Price, Quantity, Unit, Broker, Initiator, Company, and PNC.
- Charts:** Two line charts on the right side of the screen showing price movements over time for specific contracts.
- Context Menu:** A pop-up menu is visible over the main grid, offering actions like "Deal Order...", "Deal Volume...", "Firm Order", "Withdraw Order", "Add Order...", "Update Order...", "Delete Order", "View", and "Add To Watchlist".

**FASTER, MORE FLEXIBLE, AND FULL OF NEW FEATURES**

## FASTER, MORE FLEXIBLE, AND FULL OF NEW FEATURES

Improved capability is a necessity in today's trading environment and the ability to work smarter on your terms is essential for success. Joule® is the next generation energy trading screen that can transform the way you trade.

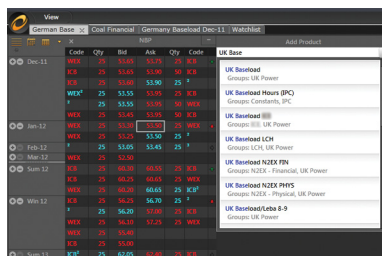
Trayport® has an industry proven track record of working in partnership with our customers to offer the most flexible, feature rich and agile solutions. Our Trading Gateway<sup>SM</sup> solution has been a primary trading tool in energy markets for many years. Joule builds upon this success. It lets you customise, adapt and improve your workflow to enhance your effectiveness.

## EXPERIENCE THE BENEFITS FOR YOURSELF

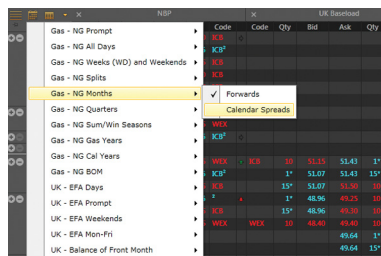
### FLEXIBILITY

Joule gives you the freedom, choice and confidence to work the way you want. It redefines the trading experience. You can work faster, smarter, and be in total control. Although Joule is new it will be familiar to existing Trading Gateway users so you can make impactful changes immediately. It will allow you to quickly build the views of the market you need. You can add new products by just typing the contract name, or just click and drag to extend the curve. The complete view of the market makes your decision making informed and easier. Joule lets you be more responsive and adaptable.


### CUSTOMISATION



Code	Qty	Bid	Ask	Qty	Code
ICB	25	53.05	53.35	25	ICB
WEX	25	53.05	53.35	25	WEX
WEX*	25	53.55	53.95	25	WEX*
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX
WEX	25	53.55	53.95	25	WEX



Code	Code	Qty	Bid	Ask	Qty
WEX	ICB	25	53.05	53.35	1*
WEX	ICB	1*	51.07	51.43	15*
WEX	ICB	15*	51.07	51.43	10
WEX	ICB	1*	48.96	49.25	10
WEX	WEX	10	49.40	49.60	10
WEX	WEX	10	49.40	49.64	1*
WEX	WEX	10	49.64	49.64	15*



Code	Qty	Bid	Ask	Qty	Code
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX
WEX	25	53.05	53.35	25	WEX

Joule gives you the ability to customise your screen and put the products you want to trade wherever you want. Allowing you to bring new opportunities into view. Interested in seeing a new product? In Joule it's as easy as typing its name.


Need to trade a spread? In Joule new deliveries or spreads can be brought on screen in two clicks and displayed instantly, allowing you to discover new opportunities.

Want to see further out on the curve? To extend the curve just takes a single click. Click and drag and they are brought on screen.

### MARKET MAKING

Greater liquidity allows markets to thrive. Joule lets you manage your market making commitments within dedicated screens. You can control multiple orders with a single screen whilst automatically maintaining your bid/offer spread. It's the type of innovation you would expect from the next generation energy trading screen.

### ORDER MANAGEMENT



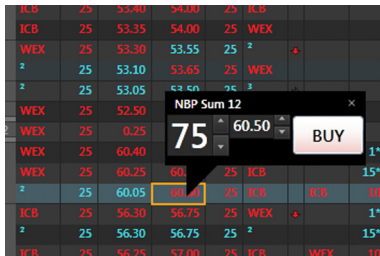
Code	Qty	Bid	Ask	Qty	Code
ICB	5	44.53	45.03	5	ICB
ICB	5	43.53	44.03	5	ICB
ICB	5	43.55	44.05	5	ICB
ICB	5	41.71	42.21	5	ICB
ICB	5	43.50	45.50	5	ICB
ICB	5	45.50	29.70	5	ICB

To be efficient in the market and meet market making requirements specific tools are required. Joule provides a dedicated watchlist view. This allows you to group multiple contracts together so that they can be manipulated as one and auto generate bids and offers based on the group bid/ask spread.

## SPEED

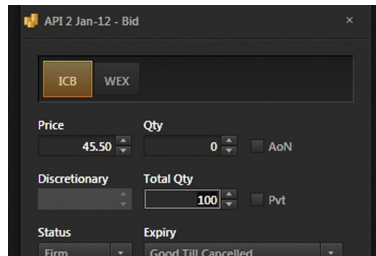
Speed is about not missing the opportunity. Success and failure in trading can sometimes be measured in a split second. Joule lets you optimise your workflow. Orders can be updated and trades executed with a click or directly from the keyboard. The power of Trayport's Automated Trading engine is now accessible via a unified order entry dialog to speed order entry. Your trading expertise can be complemented by Joule's capability.

### FASTER



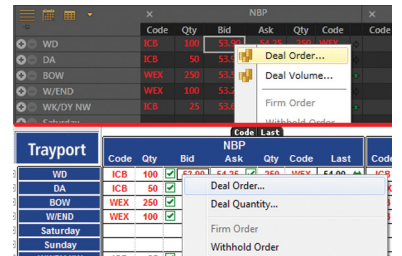
Joule is designed to make you quicker in the market. Stacks of prices can be executed with one click, while keeping you in control. Orders can be updated and modified using new keyboard shortcuts.

### UNIFIED EXPERIENCE



Joule enhances Trayport's Automated Trading product. Order entry is unified for standard orders, ghosts and icebergs, allowing you the full power of the Automated Trading engine in a common workflow. Want to insert an Automated Trading Iceberg order? Click the private button and Joule will route the order to the Automated Trading Engine.

### FAMILIAR



Moving from GlobalVision? You'll find Joule familiar. All the main workflows you are used to and all keyboard shortcuts are identical in Joule, allowing you to get maximum benefit from the platform as soon as possible.

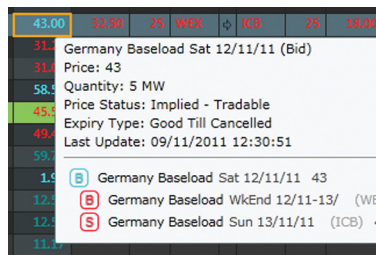
## CONTROL

Joule gives you confidence from knowing you're in complete control. You can open charts directly from live market contracts in a single click. View full historic market data via Candlestick, Volume and Price Plots and analyse trends with common technical indicators to ensure that you have the insight you need. Adding contracts to a watchlist gives you quick access to prices across different markets. With Joule you can see deeper implied prices - search and filter deal history to get instant access to trade information. It adds another dimension to your insight. Joule is feature rich without compromising your effectiveness.

### IMPROVED CALCULATED PRICES

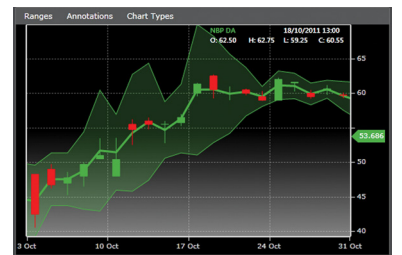


The power of Trayport's Implied Pricing engine is improved in Joule, by clearer visibility of spreads, and through enhanced calculations that offer improved pricing. The screen now displays the number of legs on implied prices and the execution venue if all the legs are at one broker.



The improved calculation engine now provides backwards calculation of calendar aggregation and product spreads, from period spreads to provider improved prices.

### CHARTING



Visual historic trends directly from Joule: just hit F4 to bring up the full historic chart for any contract in the system. Select from Candlestick, price, volume chart types and add indicators such as Bollinger bands or RSI.

## WHY JOULE WILL TRANSFORM YOUR TRADING

With greater customisation, innovative functionality and simple deployment we are confident that you will see Joule as the perfect match for your energy trading requirements

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