

Lilacs' Trading Simulation Platform allows users with varying levels of experience in energy trading to enhance their knowledge of UK trading concepts.

The simulation models a merchant combined cycle plant operating in the UK power and gas markets, Forward Trades, Day-Ahead Auction, Within-day trading, Balancing Mechanism market and EU ETS. The simulation runs over twelve settlement periods.

The user must regularly calculate a cost of generation based on the changing market conditions and then trade (ahead of gate closure) in the spot and/or balancing mechanism markets accordingly.

The user must submit plant data to the system operator (PN and BOA data) to reflect intended generation and balancing mechanism possibilities

Altering the plant generation profile (PN) will potentially result in ramp energy which, the user must also manage. This includes managing exposure and cash out prices.

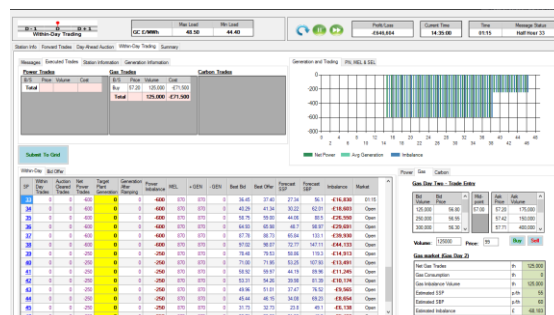
Market messages are broadcast throughout the scenarios often resulting in short term gas or power market movement.

While the simulation encourages asset backed trading, speculative trading is also possible.

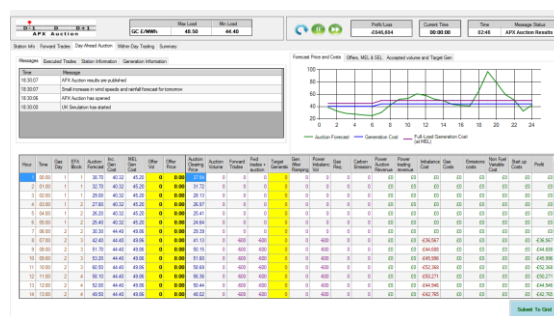
The user can also be subjected to real time issues. This could be plant issues resulting in a restricted load, a full or partial plant trip or an IT system failure

A real time profit and loss updates with every action taken.

Each scenario lasts 40 minutes and gives users a fantastic overview of the short term markets.



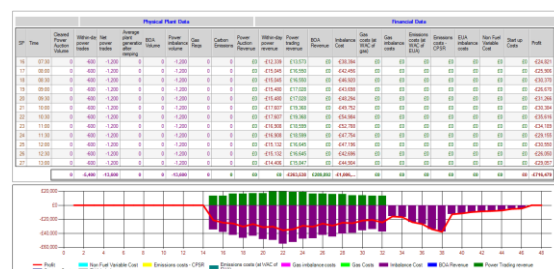
Main screen showing the entire application. All market graphs and submissions tabs are located in the top half of the application. The bottom half for the market positions, exposures and trading platforms.



The Day-Ahead auction is where trading takes for the delivery of electricity the next day. Participants submit their orders electronically, after which supply and demand are compared and the market price is calculated for each hour of the following day.



The plant ramping down to meet a bid instruction (the red BOA line). Users can alter EDT submission (ie. PN and BOA data)



The Power position summary. Long or short positions are shown and exposed against and indicative or actual cashout price. The market clock counts down gate closure and users have 3 minutes per settlement period to optimise / react to messages.