



Media release

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ONE-STOP-SHOP FOR POWER PLANT DATA PUTS FLEXIBILITY TO THE FORE

A new digital platform developed in the UK is helping to transform the way modern power plants operate.

Enerlytics has been developed by Uniper in response to the need to make its own power plants more flexible, efficient and competitive – and the one-stop-shop digital platform is now being marketed around the world.

The idea of Uniper's Pete Davies, Head of Digital Engineering Solutions, Enerlytics draws together a wide range of power plant data and provides information on everything from status, maintenance issues and equipment condition, through to fault analysis, thermodynamic performance, market data and scenario modelling.

"Plant managers need to have a myriad of information at their fingertips," explained Pete. "This enables them to analyse hazards, identify potential opportunities to improve performance, and model multiple scenarios and outcomes.

"They are also likely to need to capture real-time asset condition and capabilities, and ensure best practice is being applied."

He added: "These capabilities are critical in a new energy world where we've moved away from the old operating model of 'switch on your plant and leave it to run', and moved to an entirely different environment where flexible, more responsive generation is needed to balance supply and demand.

"This, in turn, places greater stress on plant, resulting in the need for closer monitoring.

"The big data approach provided by Enerlytics, where all the information that's needed to run a power plant is brought together on one digital platform, provides a perfect solution, making the decision-making process speedier and more straightforward."

Enerlytics was developed by a team based at Uniper's Ratcliffe-on-Soar site and is, says Uniper, a great example of the kind of initiative that the government is seeking as part of its Industrial Strategy.

The Industrial Strategy includes a focus on building skills, boosting productivity and encouraging clean growth, with particular challenges for the UK to lead the way on areas such as artificial intelligence and big data.

Enerlytics ticks many of these boxes, says Uniper, with the added bonus that it's exportable – a great example of Britain leading the way on data technology both at home and abroad.

For more information about Enerlytics, visit: www.uniper.energy/enerlytics