14.00-14.45



How decentralisation is already hitting your bottom line

An insight into how market shifts are affecting their business, what is coming down the track, and how they might benefit.





Opportunities and threats Behind-the-Meter

Speaker: Nathanael Goh



The case for BTM asset deployment can be made by two main drivers of value



BTM load shifting value drivers:

- 1 Electricity cost savings
 - Deployment of a BTM battery enables consumers to store cheap power overnight to avoid consumption from the grid during peak hours
 - The optimal power/duration configuration of such an a asset is highly dependent on the demand profile
 - Value = (Peak prices overnight prices) * peak consumption

- 2 Network and CM charge savings
 - There are three major cost savings to be accessed through reduction of demand during peak periods. They are CM Supplier payments, Triads and DUoS¹ red rates (See Appendix for charging methodology)
 - Time-specific application of these three charges result in the amplification of intraday price peaks and troughs
 - Value = CM supplier payment benefits + DUoS savings (Red Green rate) + Triad avoidance benefits

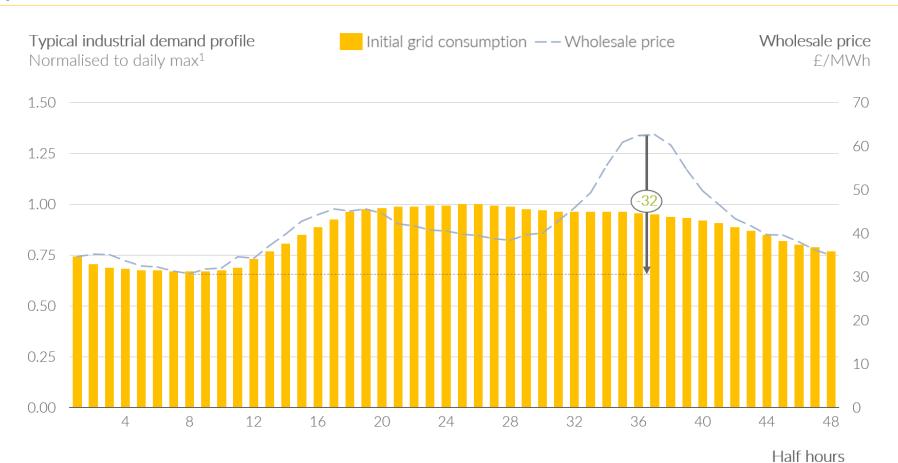
A BTM battery would enable access to cost savings with minimal impact on operations





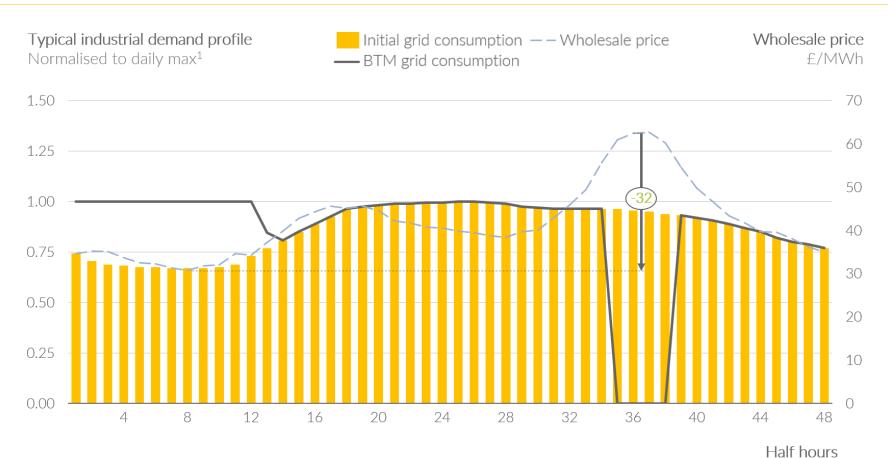
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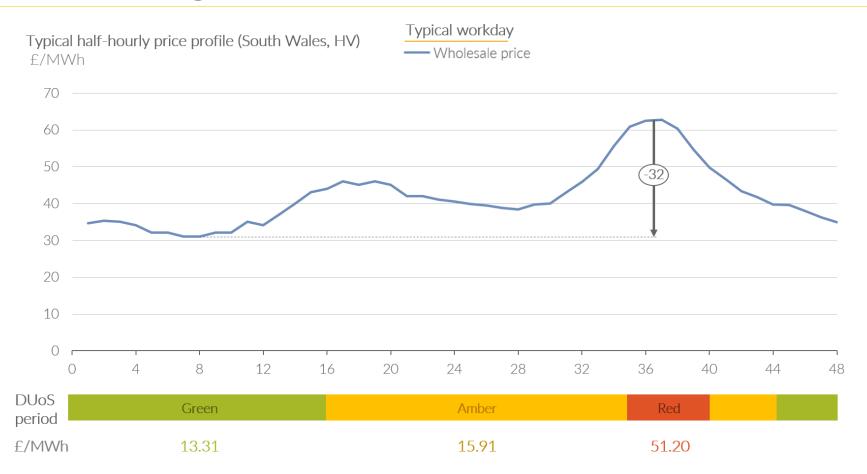
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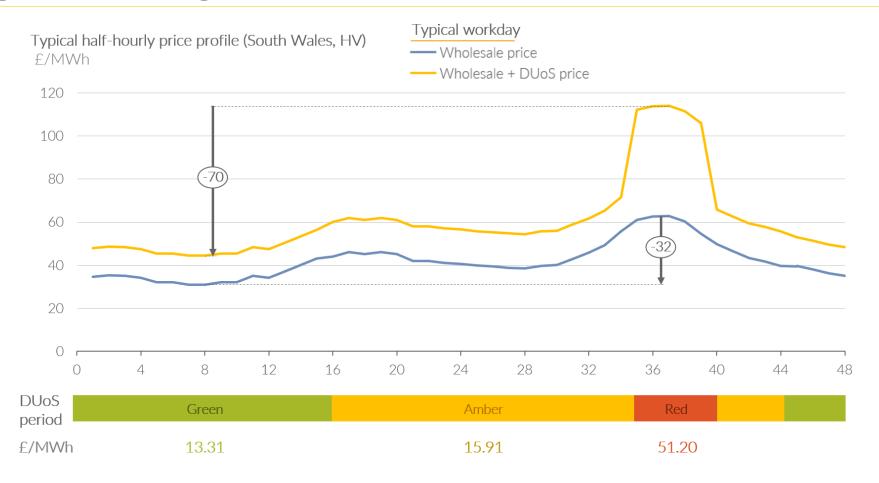
Peak demand charges magnify peak to off-peak spreads, sharpening price signals for load shifting





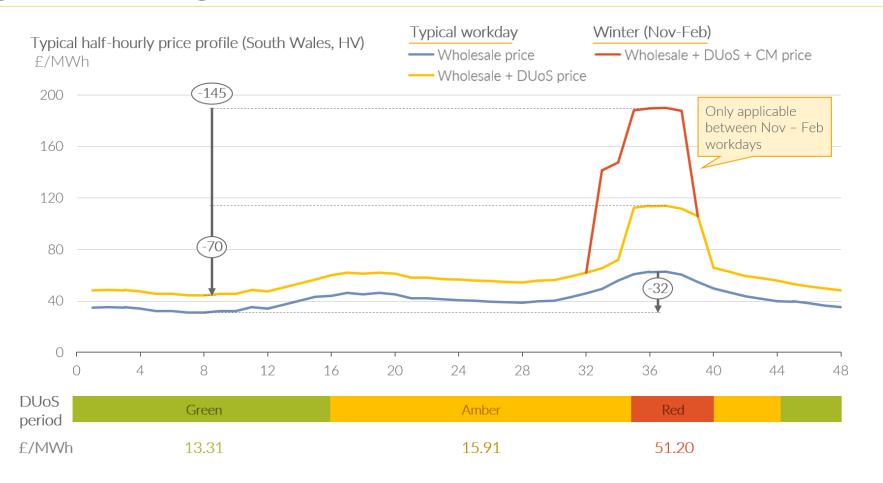
Peak demand charges magnify peak to off-peak spreads, sharpening price signals for load shifting





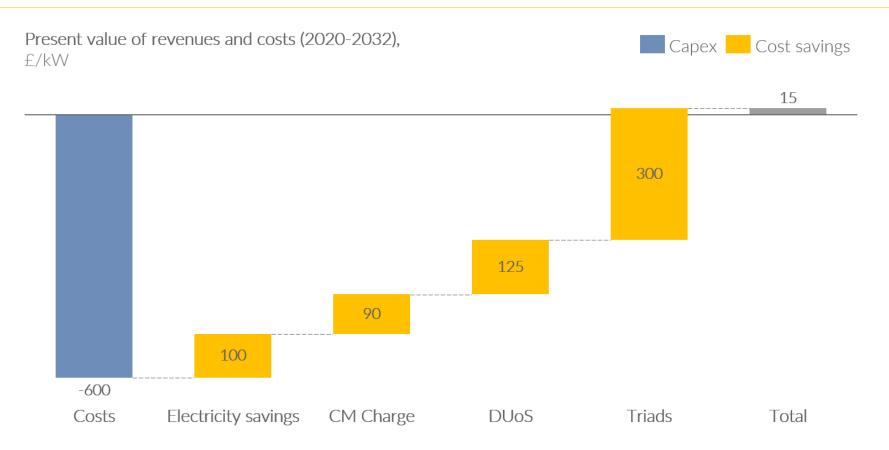
Peak demand charges magnify peak to off-peak spreads, sharpening price signals for load shifting





Deploying a BTM battery is economically viable even when discounting for uncertainties





Recent developments have damaged near-term conditions for embedded projects, but opportunities for BTM assets remain strong



Recent developments have been difficult for flexible and embedded technologies

BTM assets have managed to avoid the bulk of reforms that have hurt embedded assets, with viable options available

Broad market moves look positive for BTM assets, with the move towards smarter, more flexible loads

However, this may change, with regulatory risk the biggest threat to current opportunities