



# ONSHORE RENEWABLES SECTOR

## Navigating Net Zero 2024

Unlock new possibilities in 2024 with the help of our trusted technical advisors, ready to tackle the opportunities and challenges of the year ahead.



## 1. Navigating Net Zero 2024 Tailwinds

### Tailwinds

- 1** CfD AR6 pricing for 2024 is substantially up – solar PV 30%, onshore wind 22% higher than 2023 AR5 levels
- 2** UK Government Connections Action Plan aims to reduce delays from 5+ years to no more than 6 months. Aiming to release 100GW from the 500GW queue, removing zombie sites
- 3** Colocation on the rise with greater Net Zero impact, greater utilization of grid connections, and improved economics



### How We Can Help

**More projects where we can help you** with techno-economic optimisation, feasibility, ecology, EIA, due diligence, development, owner's engineer, grid connection, ESG, carbon services through to asset management

**Grid capacity search and connections** our technology team has a track record in proactively finding grid capacity and working with TNOs + DNOs across GB

**Optimisation** we have a framework to optimize sizing increasing aggregate project NPV by £100 millions and IRR >1.5% for a handful of clients <3 months

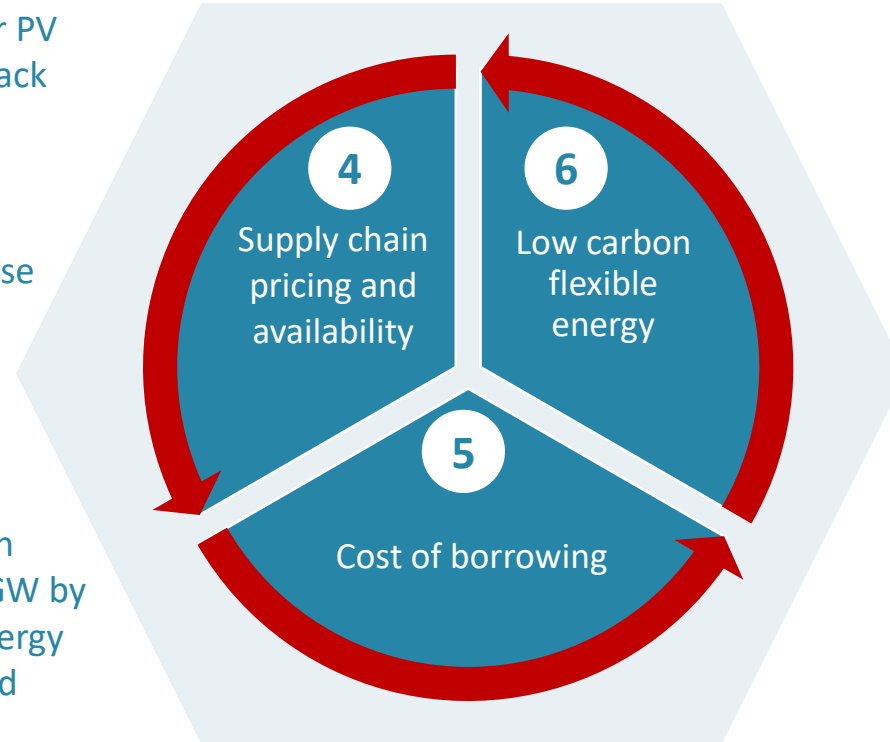
The market should accelerate renewables until incumbent constraints in processes for planning and grid are reached

Trusted Technical Advisor

## 2. Navigating Net Zero 2024 Headwinds

### Headwinds

- 4 **Supply chain tightening** – wind + solar PV pricing up, battery storage down on back of lower demand for EVs. Longer lead times for physical grid procurement
- 5 **Cost of borrowing** Bank of England base interest rate kept at 5.25% November 2023. Predictions are this may drop during 2024 to around 3.5%
- 6 **Capacity swings driven by wind** could mean swing capacities of 40GW within minutes versus a peak demand of 70GW by 2030. Low carbon forms of flexible energy such as battery storage, colocation and green hydrogen become critical



### How We Can Help

**Optimisation** – Despite capex increases we have a track record in optimisation of colocation technologies to maximise value. We have helped clients increase NPV > £100m's IRR>1.5%

**Sequencing** we can help you sequence colocation componentry for optimum value waiting for cost of borrowing and capex for wind/ solar PV to come down

**For battery storage, colocation and green hydrogen** we can help with feasibility, techno-economic optimisation, energy yield, energy flow modelling, carbon balance, permitting, due diligence and owner's engineer

Supply chain tightening, cost of borrowing and sufficient low carbon flexible energy deployment are still questions

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