



## Information Sheet

# Battery storage facilities

Modern large-scale storage batteries and their supporting infrastructure typically come in modular containers, which can be easily removed when no longer needed and the site reinstated.

Grid scale battery systems can provide many valuable services to the national grid network for the benefit of local consumers.

- They store solar energy for when the sun is not shining and reduce the need for non-renewable forms of energy in these periods
- Their ability to provide instant power reduces the need for more expensive 'stand-by' generation to meet shortfalls, helping to reduce costs for consumers as well as reducing the need to use other forms of carbon based generation (such as gas).
- Their rapid response time mean they provide an important tool for managing voltage and frequency levels in the grid for the benefit of local consumers
- They allow the grid to be 'smarter' reducing the need for reinforcement and upgrade costs, helping to reduce bills for consumers



Mock-up for illustration purposes.