



TagEnergy is completing the construction of its first battery storage site, off Shaftesbury road: Hawk Hill Energy Park

Next to it, we are now developing another project: Shaftesbury Energy Park

## Who is TagEnergy?

TagEnergy was created in 2019 to build large-scale renewable energy generation and storage infrastructure, and manage the sale of its production.

3 renewable technologies: 2.7 GW pipeline



Onshore wind



Solar



Battery storage

5 countries: Portugal, France, Spain, UK, Australia

6 battery storage projects and a 420 MW pipeline in the UK

## What will the project look like?

- ▶ Its capacity is 100 MW / 200 MWh: it can deliver 100 MW of electricity for 2 hours
- ▶ The 1.8 Ha site is ideally located:
  - Low grade agricultural land already partially artificialized
  - > 100m away from dwellings to avoid noise and visual impact
  - Next to an electricity substation to optimize the grid connection
  - Connection to the distribution system at SSE Shaftesbury substation



# Shaftesbury Energy Park will have a positive net impact

- ▶ Support the electricity system transition to Net Zero
- ▶ Minimal additional artificialized area
- ▶ Positive Biodiversity Net Gain
- ▶ Low noise impact at the closest receptor
- ▶ Landscaping plan designed to mitigate any visual impact and preserve Shaftesbury's slopes



## Enable renewable energy development

- ▶ Both wind and solar energy are intermittent sources of energy
- ▶ Batteries help manage the intermittency by importing surplus energy, storing it for a few hours and exporting it at peak hours

## Lower electricity prices and carbon emissions

- ▶ Batteries import and store low carbon, affordable renewable energy during off-peak hours
- ▶ They export the electricity during peak hours, displacing expensive, polluting thermal generation

## Stabilise the electricity network

- ▶ The network needs real-time supply/demand balance and a stable frequency
- ▶ Inertia used to be provided by thermal plants. As they retire, it is decreasing
- ▶ Batteries provide a fast, low carbon response to instability

## Keep the lights on

- ▶ Flexible generation mitigate black-out risk which increases with:
  - High demand
  - Power plant fault
  - Scheduled maintenance outage
  - Weather-related accident

## What is next?

- ▶ Q3 2022 Planning application
- ▶ Q1 2023 Start of construction
- ▶ Q4 2024 Start operation

## Do you have any questions?

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