



Potential Power Reactive Power Service from Distributed Energy Resources

8th December 2020

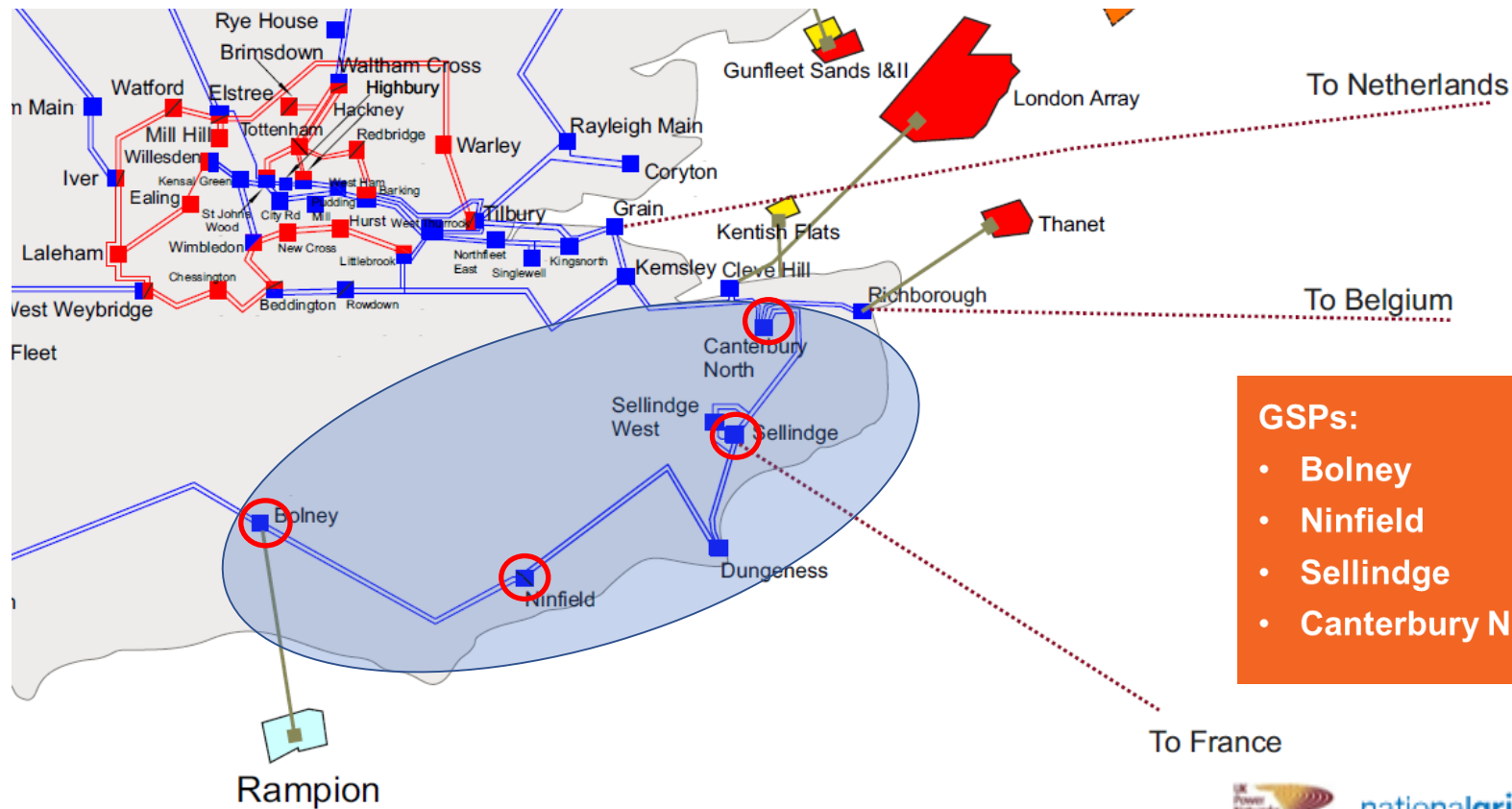
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Summary

- **World first project in dynamic voltage control from DERs to System Operator & establishing new reactive power market from DERs**
- Voltage Control Service for System Operator has become **even more important** since project was established
- Applying **groundbreaking engineering and economics principles**
- Gaining important knowledge to support future **innovation in reactive power markets and ancillary services**

The trial region



Power Potential deliverables

1. Technical solution:

Build and test a Distributed Energy Resources Management System (DERMS) to enable power services from DER.

2. Commercial solution:

Create a regional reactive power market for DERs to provide services to the ESO, while keeping the distribution network secure.

Trial approach:



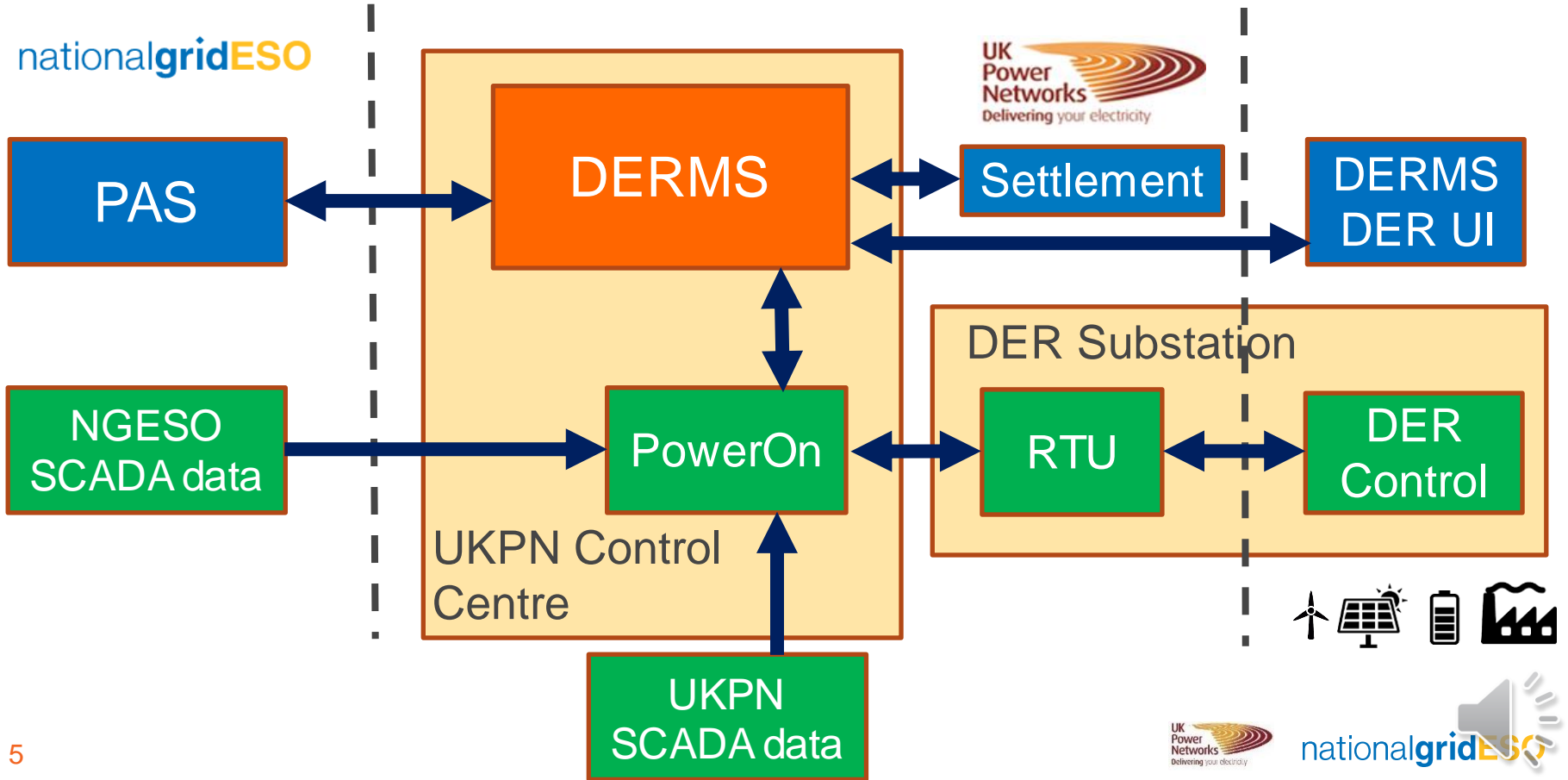
Objective: demonstrate proof of concept

- No commercial assessment, just service technical validation
- Following completion of Mandatory Trial tests

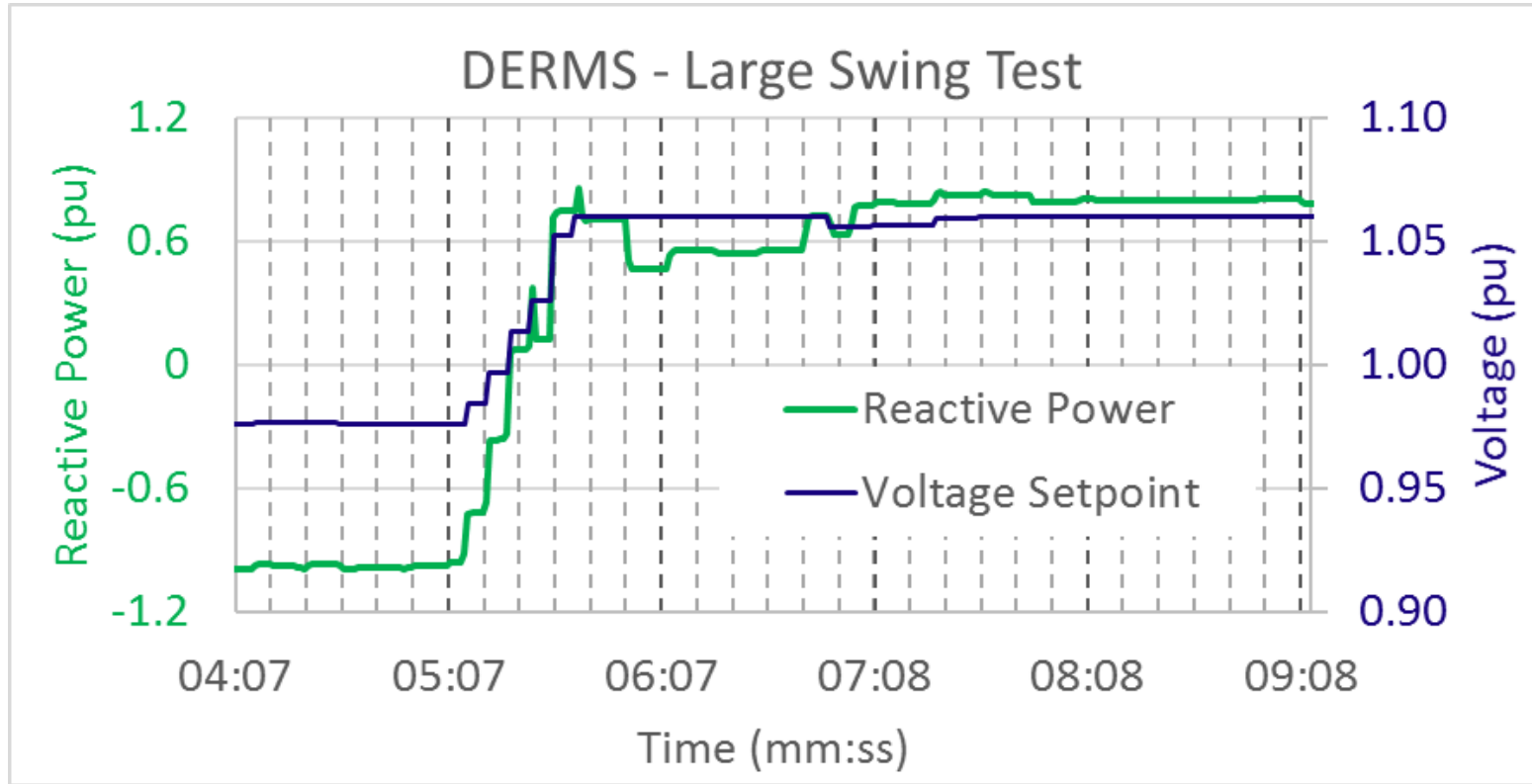
Objective: establish the commercial viability of this approach

- Commercial assessment required

Power Potential Technical Solution Overview



Practical Results so Far



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