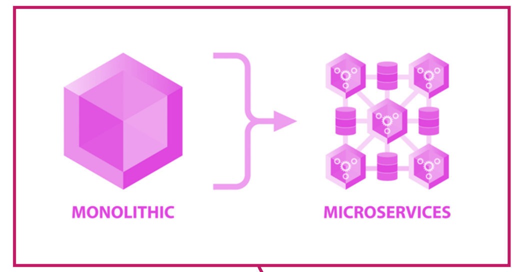
Public

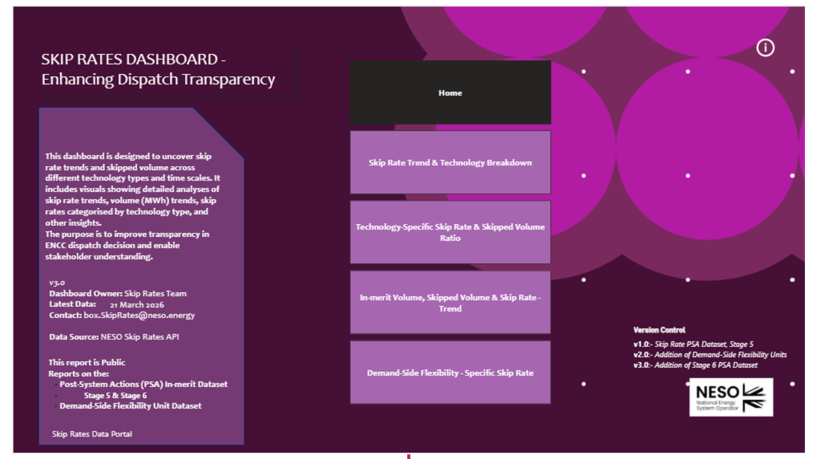
Welcome to our Dispatch Capability Journey

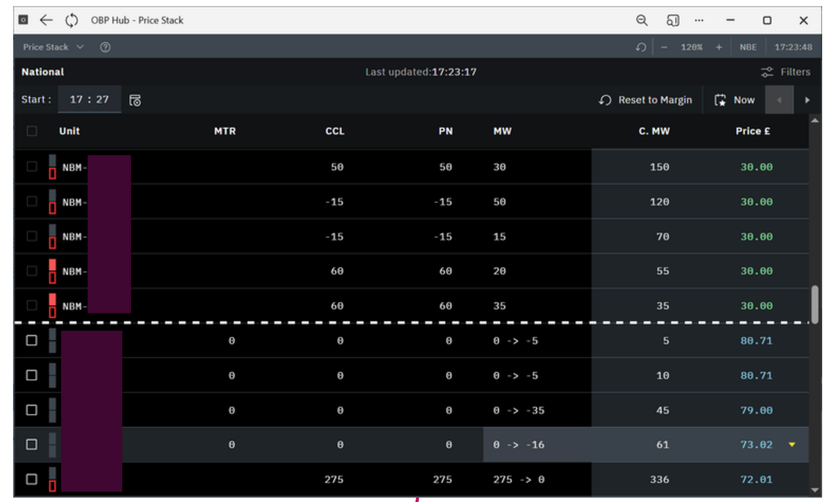
Key:

- Drive Consumer Value
- Deliver a Secure, Resilient & Operable Energy System
- Pave the Way to Sustainable Energy
- Lead as a Trusted Expert
- Digital Enabler

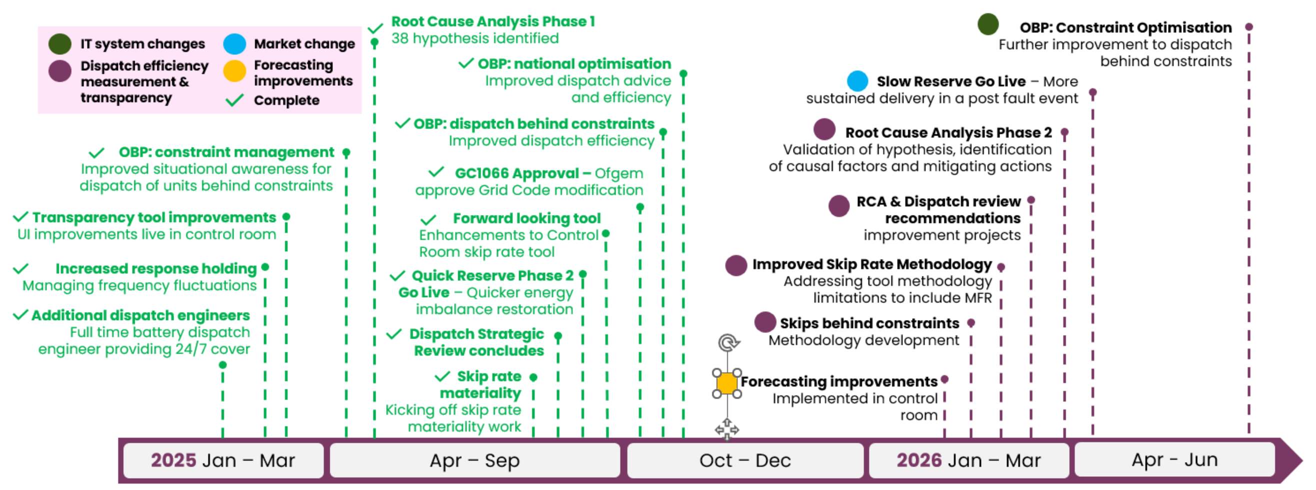
What Pain Point does the capability help address?	
Dispatch Efficiency	Lower skip rates and balancing costs
Automation	Removing work-arounds, reducing manual intervention, staff wellbeing
Competition	New/improved services and more efficient routes to market
Flexibility	Use of flexible technologies, consumer led flex, integration of DNOs







Delivery Commitments



Dispatch Strategic Review

NESO commissioned an independent review of Control Room processes, systems & operational model associated with energy scheduling and dispatch.

Key Aim: Recommend changes to tools, processes or operating model to make the ENCC ready to meet 2030 energy system challenges.

Recommendations in the Dispatch space where OBP is the Enabler	Activity already underway?	Activity
Update redundancy systems to manage increasing numbers of BMUs	✓	• **Nov 2025:** Deployment of OBP Strategic • **Mar 2027:** Complete migration of balancing functions to OBP • **Dec 2027:** Decommissioning of legacy BM systems
Deploy automation within ENCC tools to eliminate low value, time-consuming, manual, button-click activities Create functionality in OBP to enable bulk MW dispatch by the NBE	✓	• **Dec 2023 – March 2024**: Bulk & Fast Dispatch Optimisation • **Oct 2025:** Bulk Dispatch from a Price Stack for all active BMU Zones and within a Constraint • **Apr 2026:** Bulk Dispatch from Price Stack for all BMUs and Non-BMUs by Service Type • **Jun 2026:** Optimisation with a Constraint
Develop a human in the loop next best action model to assist in dispatch decisions	✓	• **TBC**
Create functionality in OBP to issue repeat BOAs	✓	• **May 2026:** Functionality in OPB to issue repeat BOAs
Create a process for requesting high-priority software change requests	✗	• **TBC:** Review of programme feedback and intake processes
Audit existing grey IT tools to understand which can be supported or included in the scope of OBP Create a formal process for productionising and integrating grey IT tools that are developed	✓	• **Dec 2025:** Review of roadmap capabilities and grey IT completed • **Jan 2026:** Review of programme feedback and intake processes
Embed Tooling Requirements into Market Design from the start	✓	• **Oct 2025:** Process review carried out with ENCC Future Design & Market Requirements
Automated and detailed flagging of BMUs dispatched out of merit order	✓	• **Dec 2024:** Dispatch Efficiency Monitor
Increase the ability to divide and assign BMUs to different zones in OBP	✗	• **Sep 2027:** Transition to Areas of Responsibility

START

2023 - What did the world look like?

Energy Environment:
- Increasing amounts of renewables, flexibility, and smaller units
- Need for greater coherence across Ancillary & Network Services
- Growing importance of whole-system operations with more interconnection, DSO involvement, and consumer participation

ENCC Balancing & Forecasting Systems:
- Processes are complicated requiring significant manual effort
- Capabilities spread across multiple systems
- No optimisation capability within ENCC
- No Service Harmonisation – decision made at individual service level
- BM and non-BM handled in different systems with different price stacks
- Difficult to add new services, functionality or scale up existing systems
- Reliance on workarounds and grey IT
- Inconsistent control room operations across services
- Lack of integration across systems from contract decision/award through to Settlement.

Drivers of transformation:
- Reduce manual workload
- Improve dispatch efficiency
- Ensure consistency and transparency in decision-making
- Enable competition and support integration of ancillary services
- Manage increasing number of market participants
- Adapt to new requirements, services and innovation

Capability journey

Dec 2023 – Bulk & Fast Dispatch Optimisation of Battery & Small BMU Zones

Dec–Mar 2023 – Open Balancing Platform (OBP) Lite

Dec 2024 – Dispatch Efficiency Monitor

Apr–Oct 2025 – Constraint Management

Apr 2025 – Mar 2026 – All Instruction Creation on OBP

Oct 2025 – Bulk Dispatch from a Price Stack for all active BMU Zones and within a Constraint

Nov 2025 – OBP Strategic

Nov 2025 – Jun 2026 – Improved User Interface with focus on Usability, Screen and Process Efficiency

Nov 2025 – Jun 2026 – National Dispatch Optimisation (NDO)

Apr–Jun 2026 – EDT/EDL Mastered from OBP

Apr 2026 – Bulk Dispatch from Price Stack for all BMUs and Non-BMUs by Service Type

Jun 2026 – Implement GC066

Jun 2026 – Optimisation within a Constraint

Dec 24 – Dec 26 – Interface with NCMS for Constraint Data

Mar 2027 – Provide Data Transparency

Sep 2027 – Transition to Areas of Responsibility

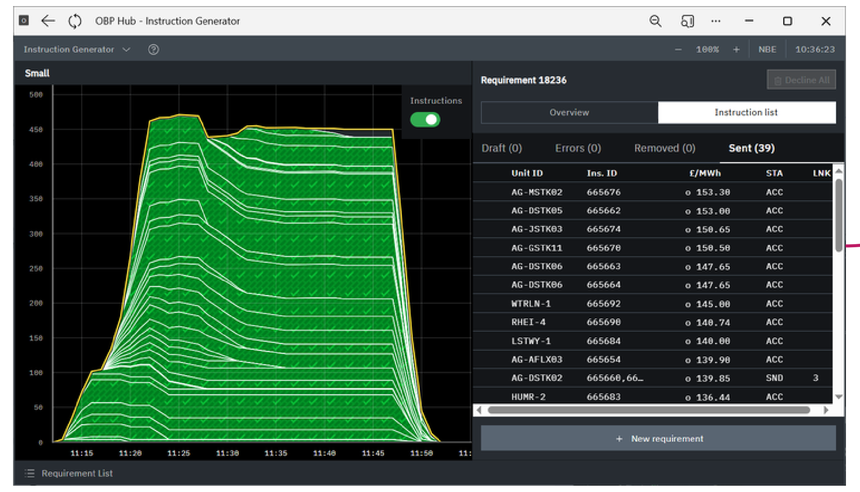
Dec 2027 – Enable Near Real-Time Co-Optimisation

Mar 2028 – Enhanced Interconnector Management

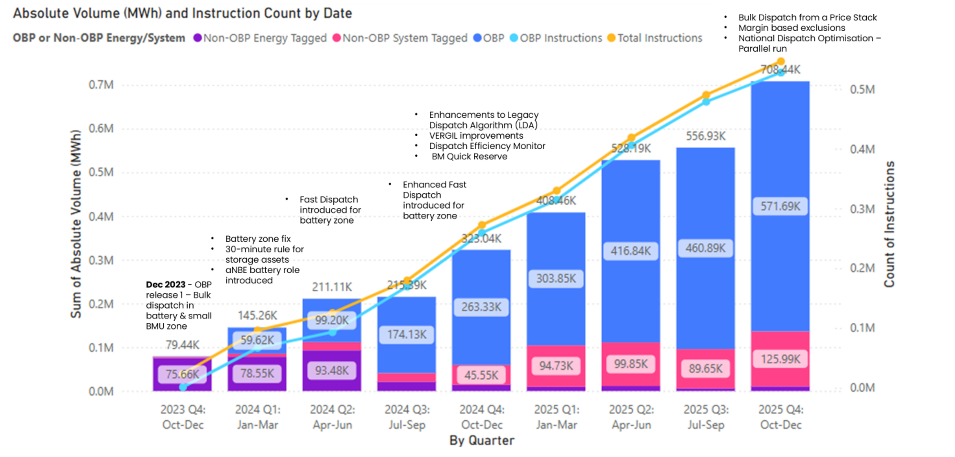
END OF NESO 1

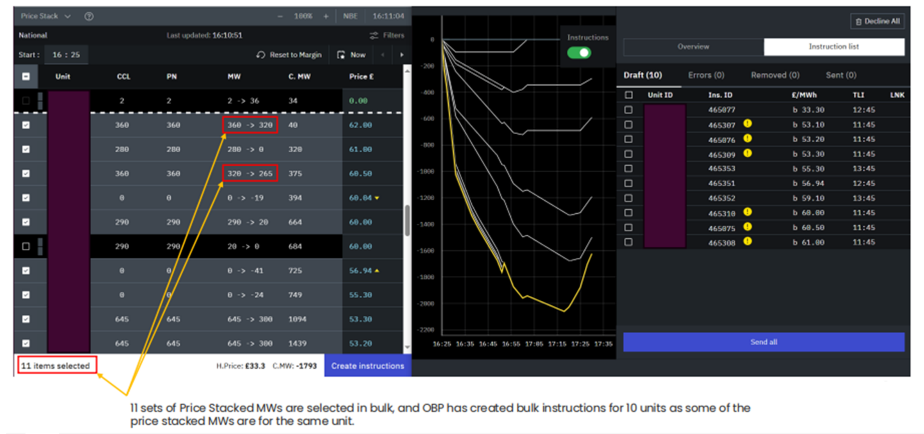
2028 – Where will we be after NESO 1

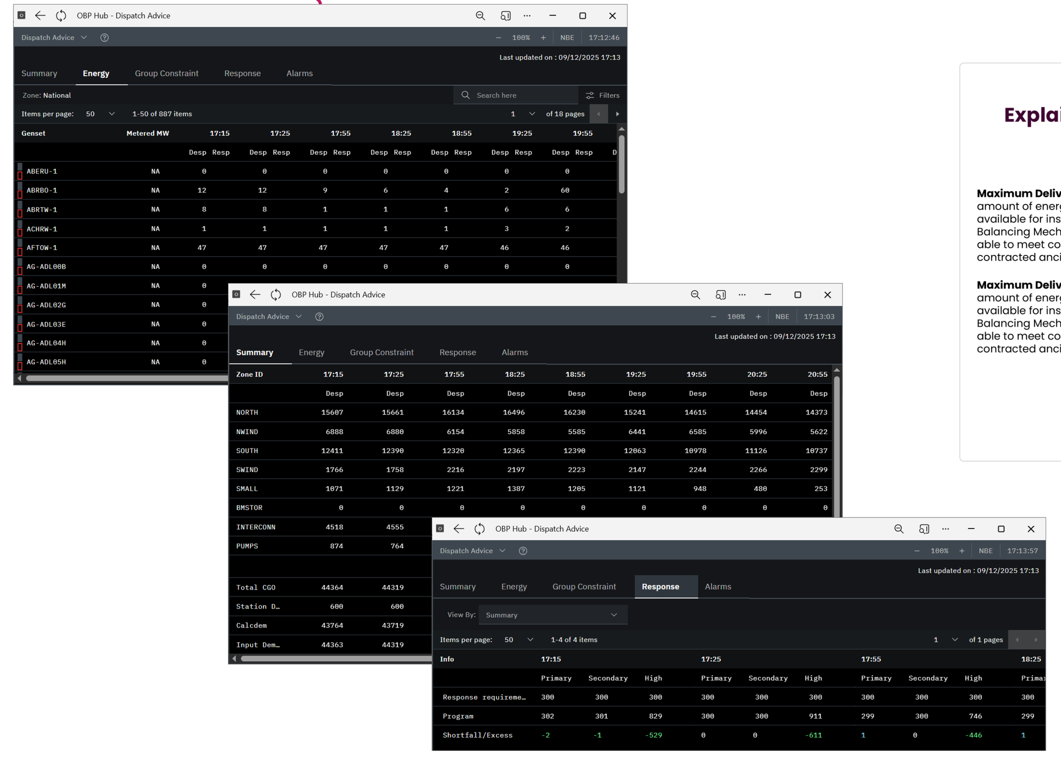
ENCC Balancing & Forecasting Systems:
- Increased resilience and no planned market outages
- Significant automation and optimisation within ENCC
- Efficient dispatch and transparent instructions
- Enhanced security through new tools and services
- Lower balancing costs
- Alignment of BM and non-BM processes
- Standardisation of user experience
- Reduction of manual workarounds and Grey IT
- Improved situational awareness
- Adaptability to evolving industry priorities

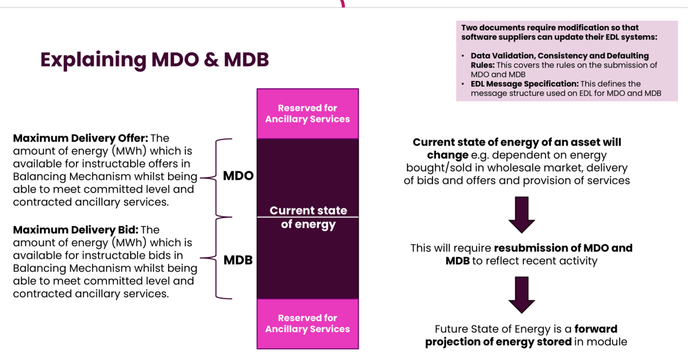


OBP Utilisation - Batteries









Control Room Process – Operate the Power System