

What does the future Operator Console look like?

EIP004

28 February 2023

What does the future Operator Console look like?

Background

- The ESO control room manages multiple complex data sources across several tools with minimal use of automation, requiring significant manual user interactions to maintain system operation.
- As the complexity of operating the whole energy system grows, the pressure on operators to maintain secure and economic operation of the system increases.
- We would like to explore how to deliver a high level of situational awareness into the future Control Room, considering human factors associated with UX/UI design and control room operations, including operator interactions with complex data flows and intelligent tools for system operation.

What does the future Operator Console look like?

Enablers

- Operator Console is a deliverable as part of the ESO's RIIIO-2 Business Plan.
- We would like to explore beyond this, to ensure the future control room and operator console beyond this time frame are industry leading and improve system operation.

Constraints

- Existing projects underway may constrain or influence the future operator console.

What does the future Operator Console look like?

Involvement and Implementation

- ESO – including various teams across National Control
- We are looking at a research project to understand the different elements of a future operator console and would like to engage with a wide range of suppliers to further inform the Control Room of the future, and build in some key principles for situational awareness and human factors.
- Performance and efficiency of the ESO Control Room operations will ensure better decision making, ultimately resulting in lower costs for consumers and progression towards zero-carbon operation.
- Operator Console will deliver by 2026, but we foresee that this challenge area may result in multiple projects exploring different avenues in relation to control room operations going beyond this timeframe.

Energy Innovation Basecamp

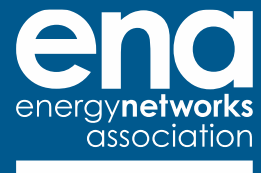
28 February 2023
ICC Birmingham

#Basecamp28

Participant joining code
[Slido.com](https://www.slido.com)

What does the future Operator Console look like?





Energy Networks Association

4 More London Riverside

London SE1 2AU

t. +44 (0)20 7706 5100

🐦 @EnergyNetworks

[energynetworks.org](https://www.energynetworks.org)

© ENA 2021

Energy Networks Association Limited is a company registered in England & Wales No. 04832301
Registered office: 4 More London Riverside, London SE1 2AU