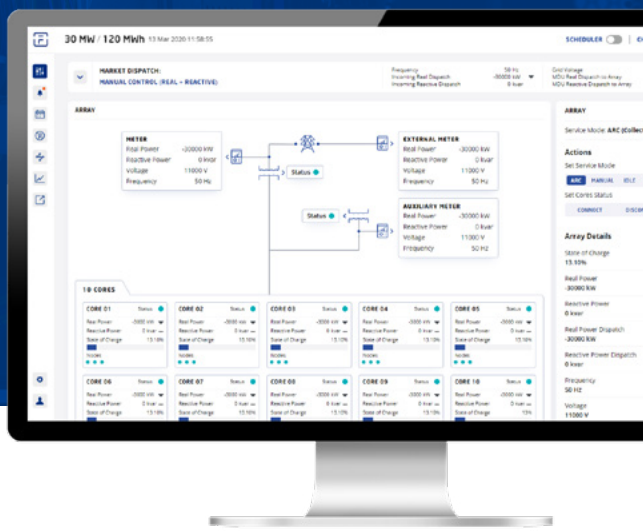
FLUENCE
A Siemens and AES Company

NGESO Frequency Response with Fluence OS

Optimized for National Grid's Dynamic Containment, Moderation, and Regulation services



A new suite of dynamic frequency response services in the Great Britain market are designed to support grid balancing needs across the electric system and reward assets able to provide fast response to low and high deviations in grid frequency. Participating in these National Grid ESO services requires advanced controls functionality with high resolution frequency measurement (1mHz) and sub-second response times. Fluence OS is built on a highly adaptive controls architecture so customers can keep up with changing frequency services and market requirements, including the ability to stack multiple NGESO services for maximum revenue potential.

Application Overview

The Fluence OS dynamic frequency response controls applications enable storage asset owners to deliver high-, low- and simultaneous high/low frequency response, including:

- Multipoint power response according to droop curve requirements
- Baseline shifting for active SOC management
- Configurable application parameters
- Consistently maintained response times
- High resolution 20Hz (50ms) data logging
- Accurate frequency measurement (1mHz) from field tested, pre-qualified meters
- Application stacking for simultaneous response across National Grid services

Why Fluence?

By integrating frequency response controls applications directly within our OS edge-based software, there's no need to layer additional metering equipment or software on top of your existing infrastructure. Fluence has successfully implemented all three services for participation in auction, and provides comprehensive data logging and high-resolution measurement for National Grid ESO reporting. Our future-proof controls architecture enables stacking of additional storage applications and market services so you can maximize asset value as requirements change or new revenue streams emerge.