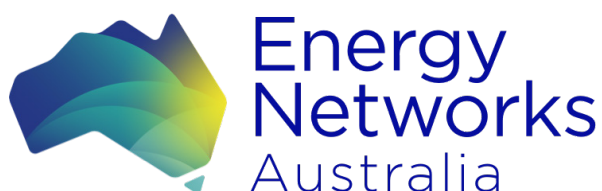




Client

Energy Networks Australia (ENA)



Client Need

EA Technology supported Energy Networks Australia (ENA) in the delivery of National Guidelines for battery energy storage system (BESS) owned by distribution network service providers (DNSPs). The document aims to provide a shared framework for DNSPs that can assist in the development of appropriate and fit for purpose design solutions for BESS. EA Technology led the wider group of individuals and DNSPs to construct the relevant research and inputs of the outlined scope.

Our Approach

EA Technology's *Future Network* consultancy services developed a comprehensive framework incorporating inputs from different companies, including DNSPs to align with user needs and industry feedback. This required expertise in energy and battery storage, ensuring that key technical considerations were addressed.

To ensure consistency and applicability, the framework complements existing guides and regulations, incorporating relevant policies from AEMO. It also aligns with various Australian and international standards, ensuring compliance with best practices.

By capturing a detailed set of industry-wide requirements, the framework provides a structured approach to asset management, leveraging expert knowledge to support a nationally consistent strategy for energy storage.

Benefits

EA Technology's consultancy expertise in energy storage and asset management has played a key role in developing a structured and forward-looking framework for DNSPs. By conducting a low-level analysis of how DNSPs should prepare for BESS, EA Technology has ensured that the framework provides clear, actionable guidelines tailored to the evolving energy landscape.

The framework establishes industry-wide guidelines that offer a consistent and standardised approach to BESS asset management, ensuring a unified direction for all stakeholders involved. By addressing regulatory compliance, technical considerations, and risk management, the framework helps DNSPs and Network Operators implement efficient, cost-effective, and future-proof strategies for BESS integration.

Through its *Future Networks* consultancy services, EA Technology has provided expert insights and practical industry advice, ensuring that the framework is applicable across all DNSPs. This consistency enhances collaboration, streamlines decision-making, and supports long-term efficiency in BESS development. Additionally, EA Technology offers training and implementation support, helping organisations effectively apply the framework, optimise their BESS investments, and improve operational reliability while adhering to best practices.

Why this is relevant to your project

EA Technology's work on the BESS framework delivers a consistent, cost-effective approach to asset management, applicable across all DNSPs. By ensuring regulatory alignment, risk management, and industry best practices, it supports efficient energy storage deployment. More broadly, EA Technology's consultancy expertise allows you to future-proof your operations, spanning across Future Networks, network transformation, DER/CER integration and net zero transition.

"The key here was our effective approach (survey, workshop, 1:1 meeting, monthly meeting) to manage a very large group of stakeholders including over 30 representatives from all the 14 Australian DNSPs, as well as our subject matter knowledge. This has resulted in harmonising industry best practices meaningfully."

Dr. Yogendra Vashishtha, Head of Future Networks, EA Technology

"The aim is to promote consistency across industry by providing additional information to guide the development of appropriate, fit for purpose and consistent design solutions for the DNSP-owned BESS."

Monaaf Al-Falahi, Technical Program Coordinator, Energy Networks Australia (ENA)



Explore the BESS Guidelines Project with ENA.