



Operations Technology Program

Control Room Operations Working Group Overview 18th April 2023



Control Room of the Future (CROF)



Vision Statement

"A secure, flexible, adaptable, space where systems are integrated, interoperable and automated. All resources are maximised, and personnel are highly trained, in simulators to make data-driven decisions based on accurate forecasts."



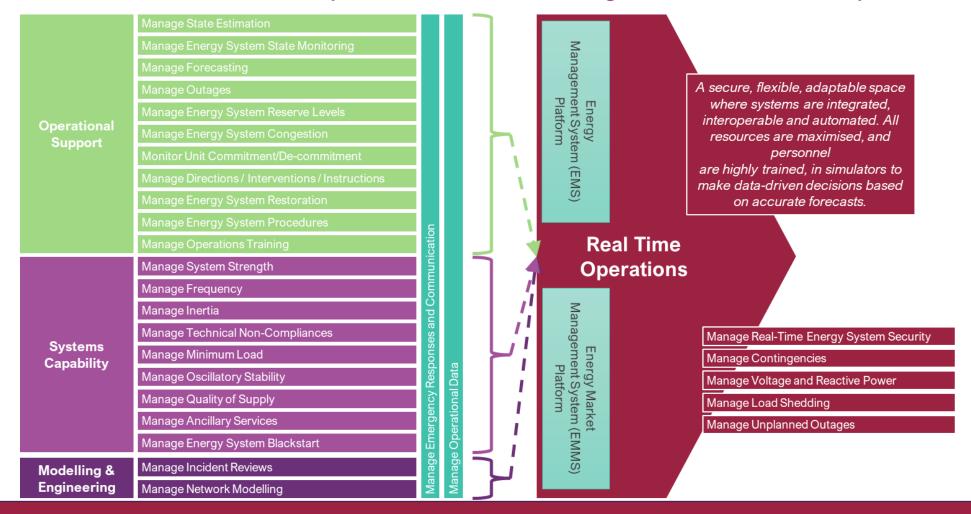
Purpose

Secure, reliable, resilient, safe and flexible operations, which facilitate a goal of 100% renewable operation



Control Room of the Future (CROF)

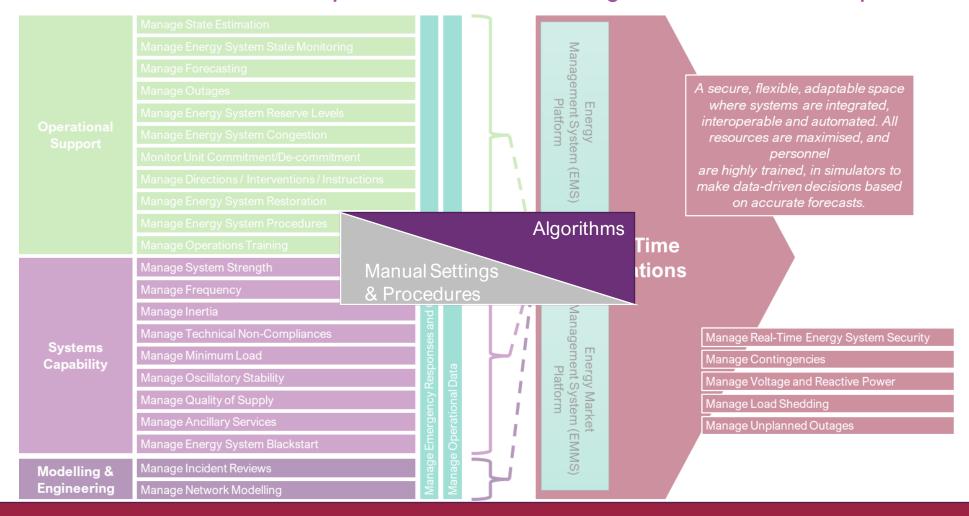
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Control Room of the Future (CROF)

Secure, reliable, resilient, safe and flexible operations, which facilitate a goal of 100% renewable operation

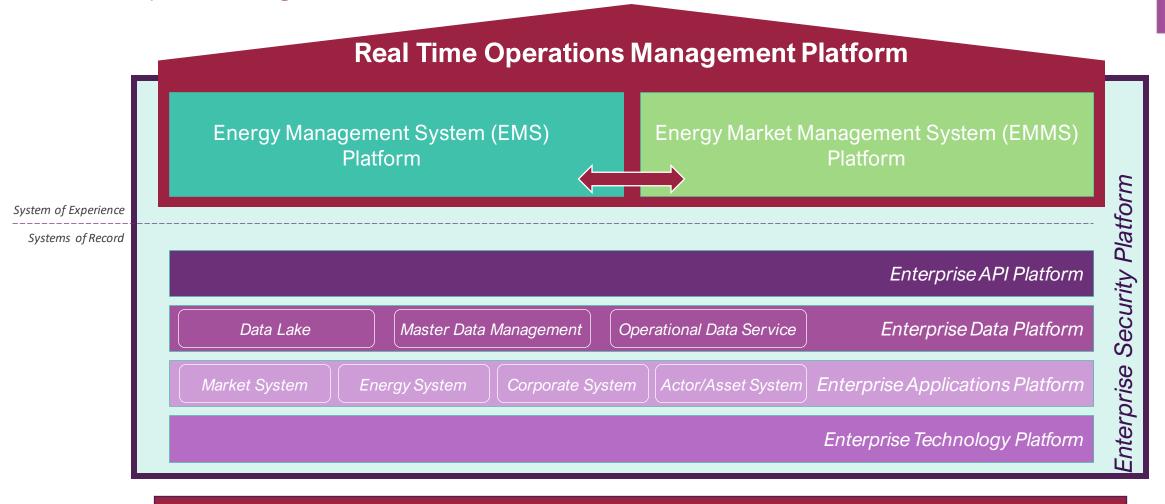


The trend over time must be a reduction in manual activities as we increase our use of algorithms and automation





Conceptual Design

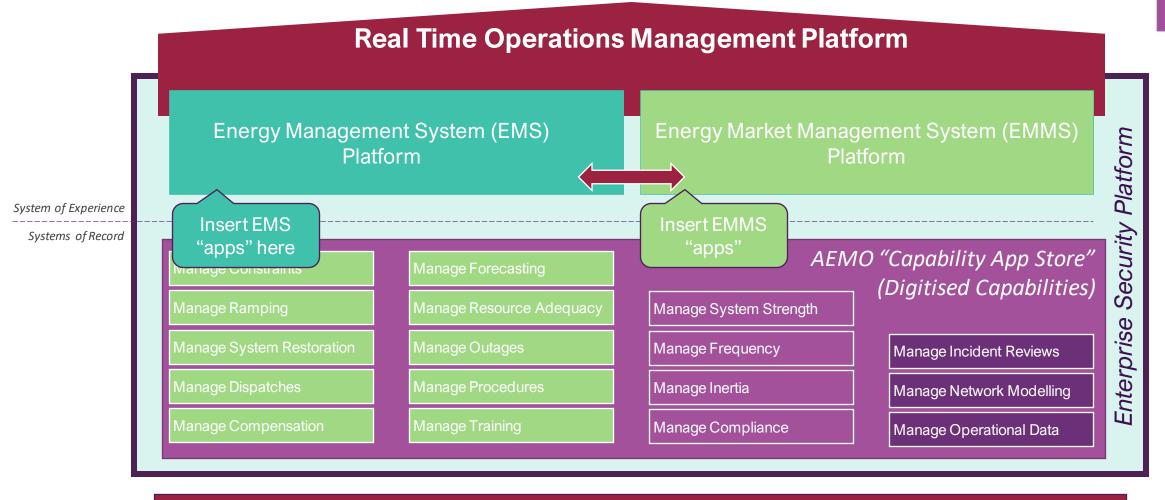


Aligning with Digital, we can quickly bring the vision to life based on the work products developed in the Operations Decision Making Tools project.





Conceptual Design

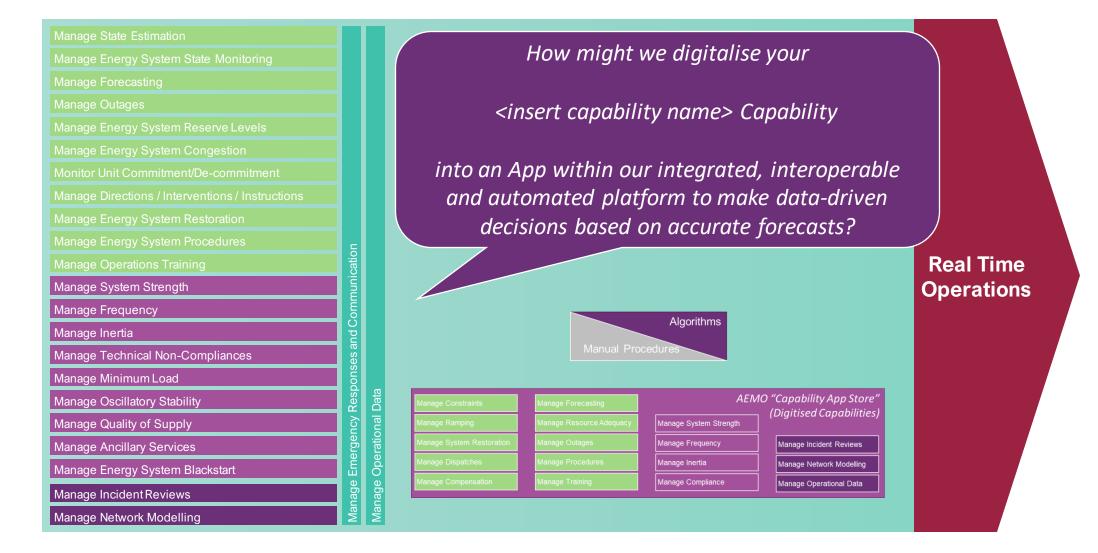


How might we digitalise critical capabilities and serve that into the Real Time Operations Management Platform. Working together, we are in the process of determining which capabilities are the most important.

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Capability Transformation Objective



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Operations Technology Program

AEMO

FY23/24 Major Projects

Manage Real-Time Energy System Security	Manage	Manage	Manage	Manage
	Forecasting	Energy System Reserve Levels	Oscillatory Stability	Network Modelling
RTO Management Platform - User Interface / Dashboard - APIs - Market Notices - Constraints - Directions - etc	Forecasting Platform	ST-PASA Replacement	PMU Monitoring Platform	Power System Modelling Uplift

Operational Data Management Platform

- Enterprise Data Model
- Enterprise Data Platform (Enterprise Data Service, Operational Data Service, Data Science Virtual Machine, Master Data Management)
- Data Ownership
- Data Governance

Manage Operational Data



For more information visit

aemo.com.au