

# Developing the Architecture for the Integrated Grid

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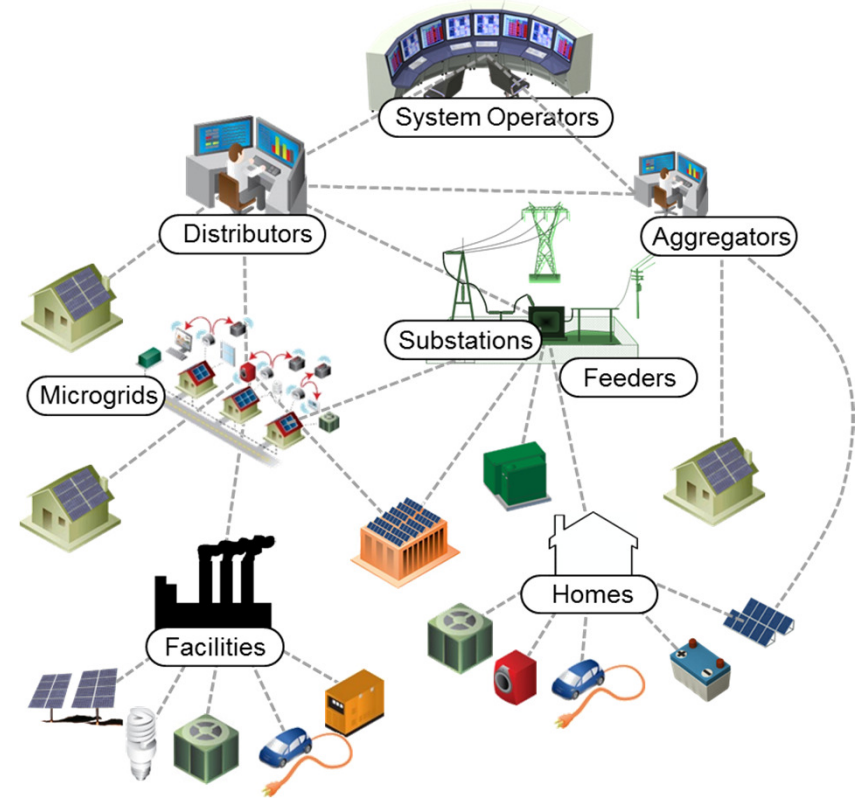
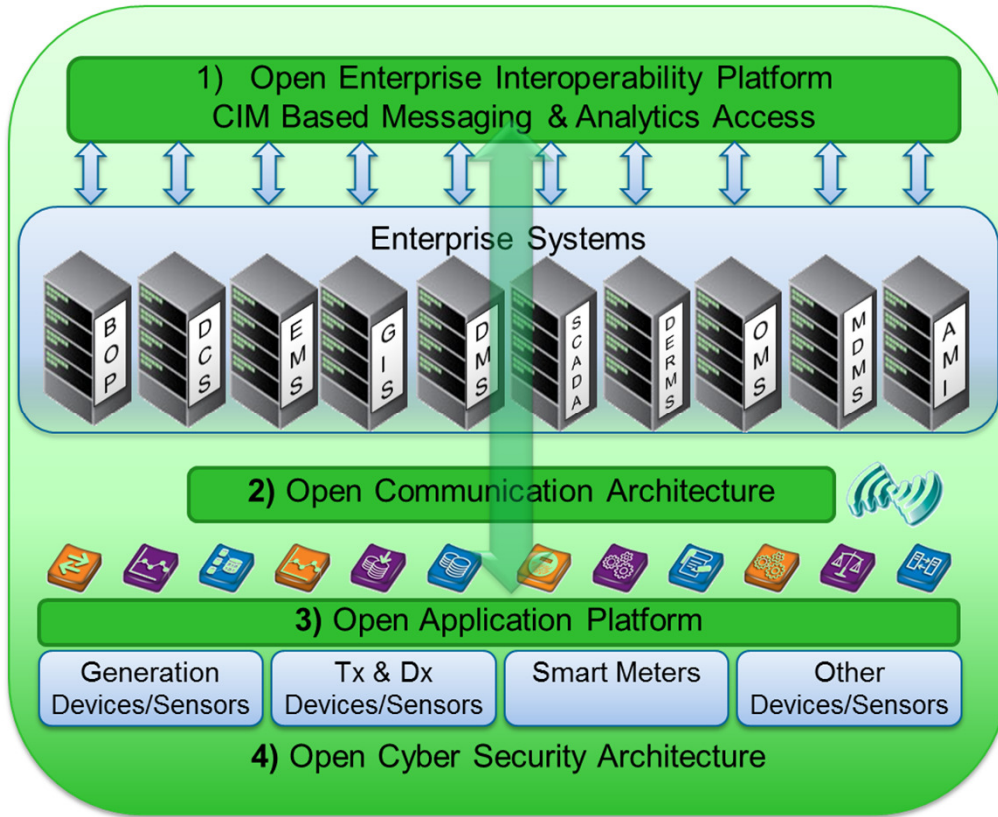
**Modern Grid Technology and Leading Practices Workshop  
Grid Architecture Grid Panel Session**

# Why is the Grid Architecture Critical?

- Fundamental design decisions
- Basis for integration of new technologies (interoperability)
- Facilitates innovation
- Multiple stakeholder participation
- Cyber security

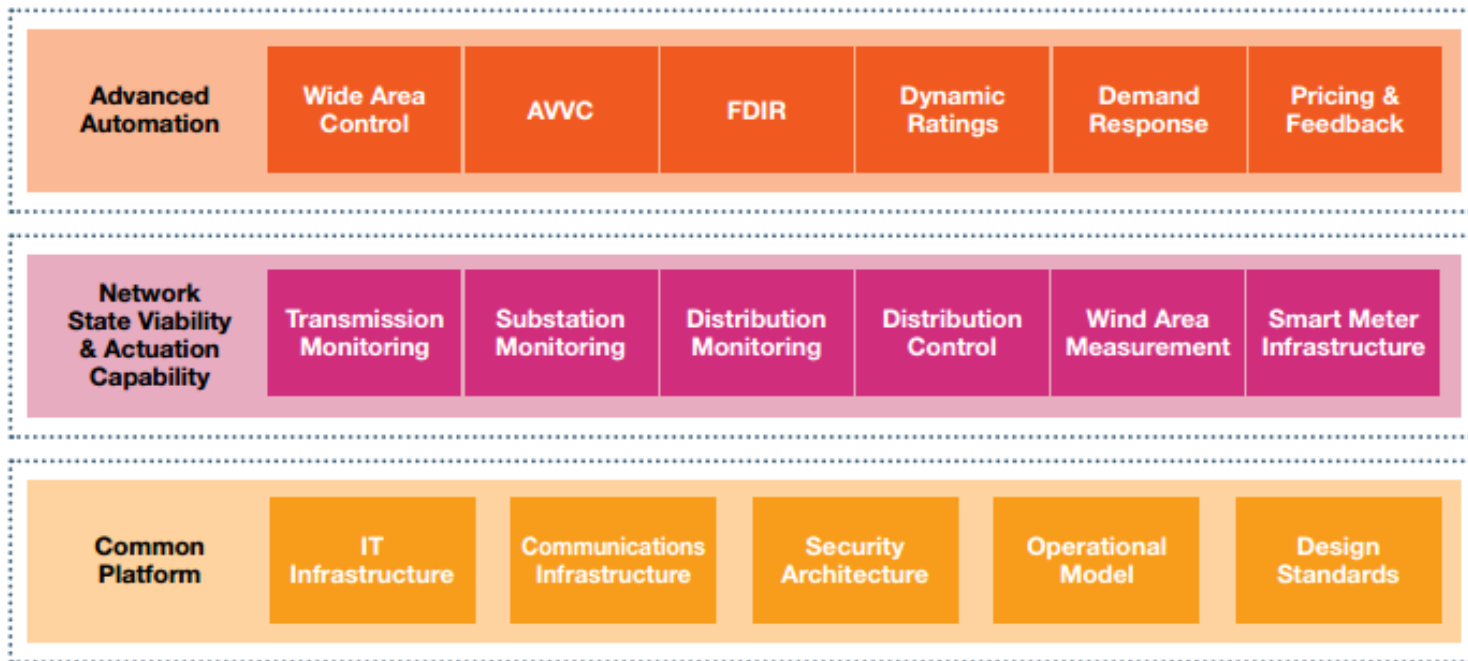


# Key Challenges

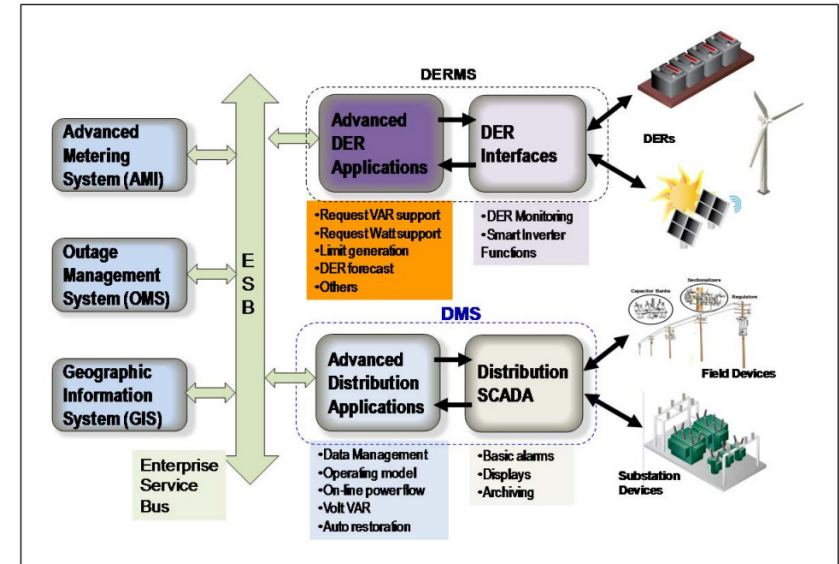
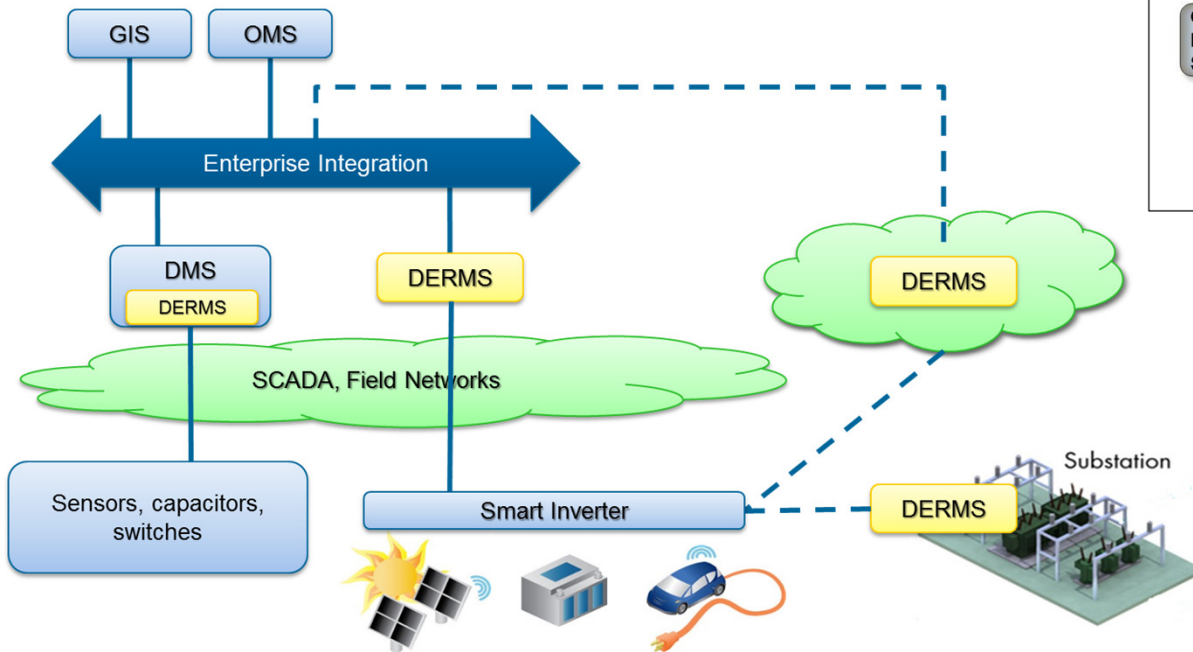


# Lessons from Australia

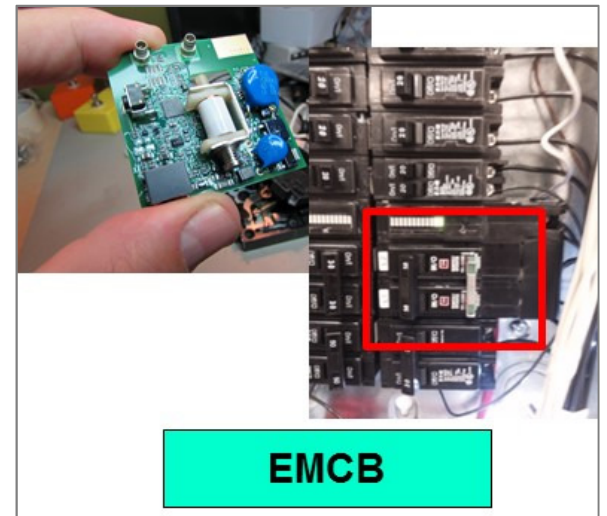
- Common Platform – standards-based, flexible, and cover the entire network.
- Deep situational awareness and control infrastructure.
- Advanced automation layer.



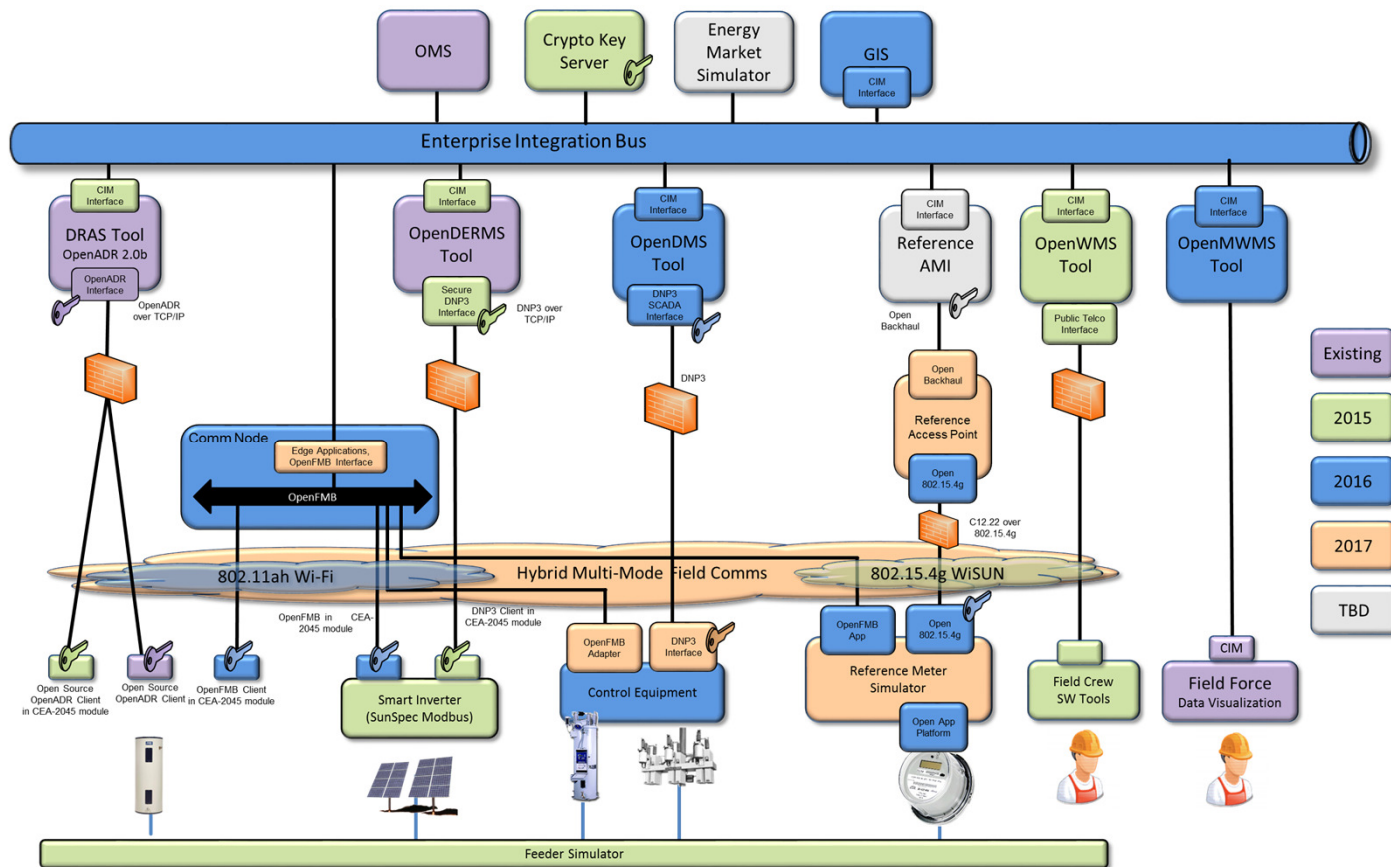
# Critical Architecture Issue in Hawaii - Where is the DERMS?



# Next challenge – Integrating the customer



# Developing a platform for advancing the interoperability standards and technologies





# Together...Shaping the Future of Electricity