

HYP BATT

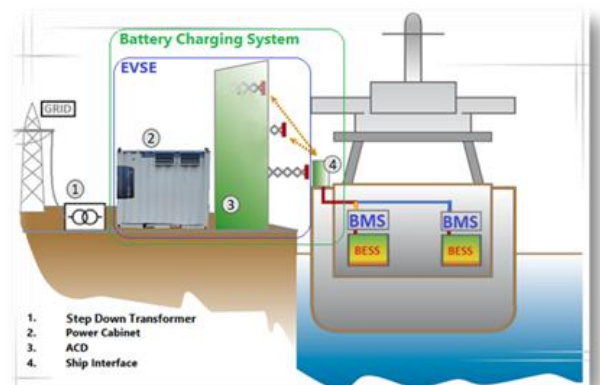
Hyper powered vessel battery charging system

ACADEMY

Module 2 – Technical Architecture of Multi-Megawatt Charging Systems

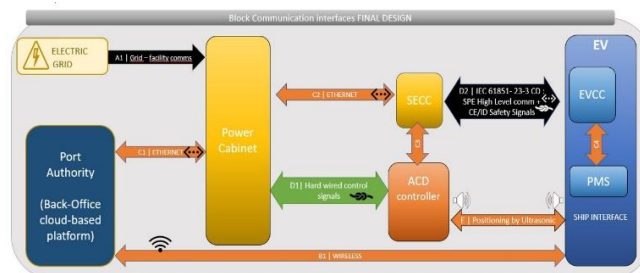
Topics Covered

- Shore-side infrastructure and grid connection
- Ship-side battery systems
- Automatic Connecting Device (ACD)
- Interfaces between port and vessel
- Thermal management and safety systems
- Modular system design



Key Outcomes

- Understanding of MW charging system architecture
- Insight into component interaction
- Awareness of technical constraints
- Importance of modularity and interoperability



Main Takeaway

Multi-megawatt charging relies on modular, safe, and interoperable system design.