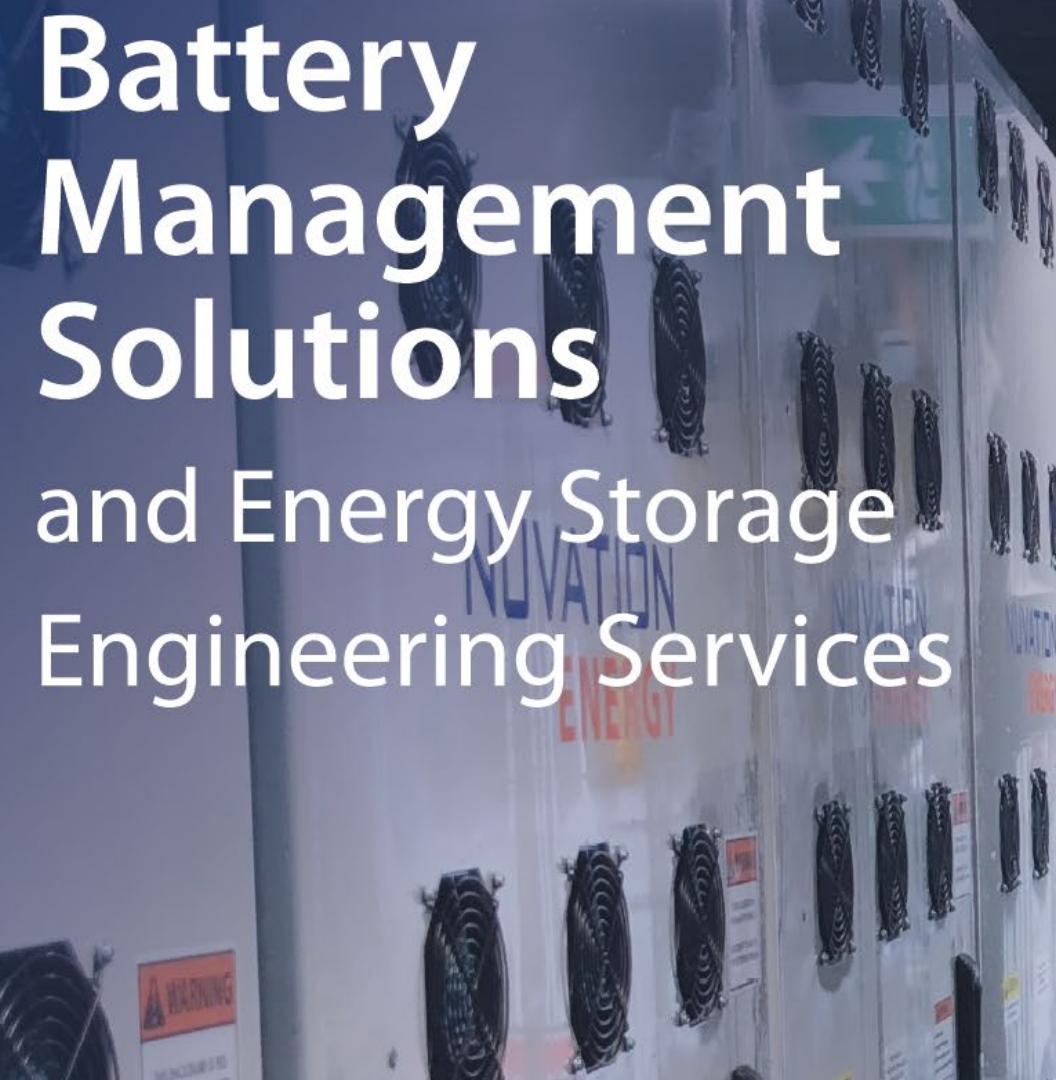
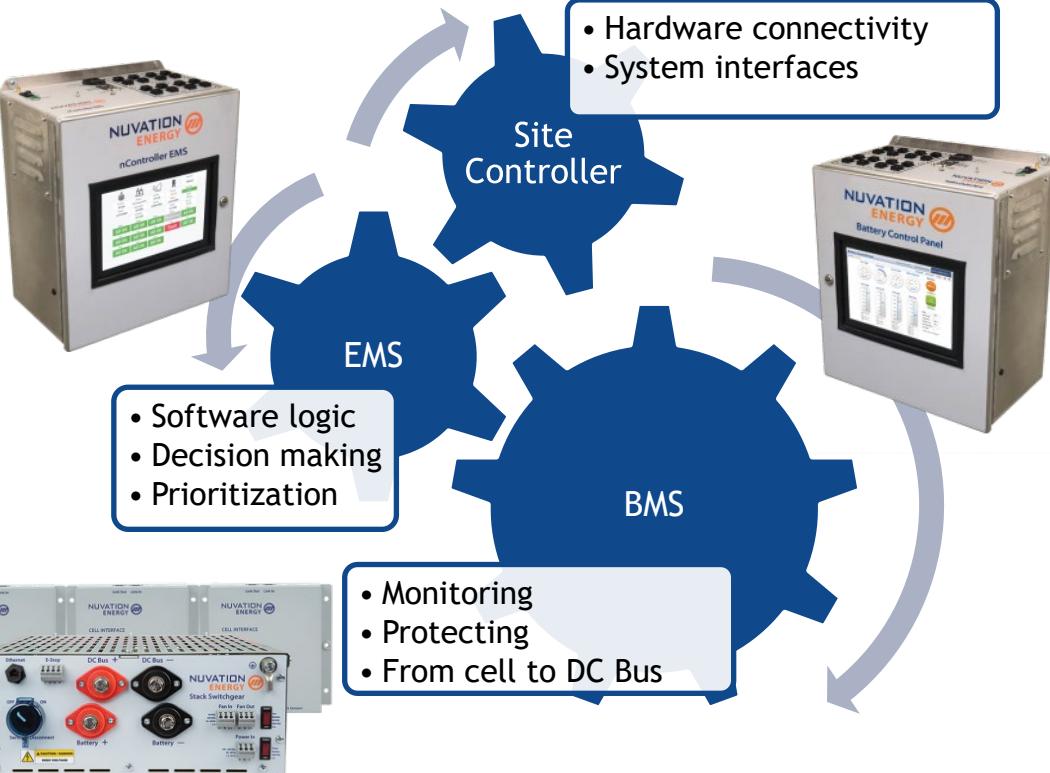
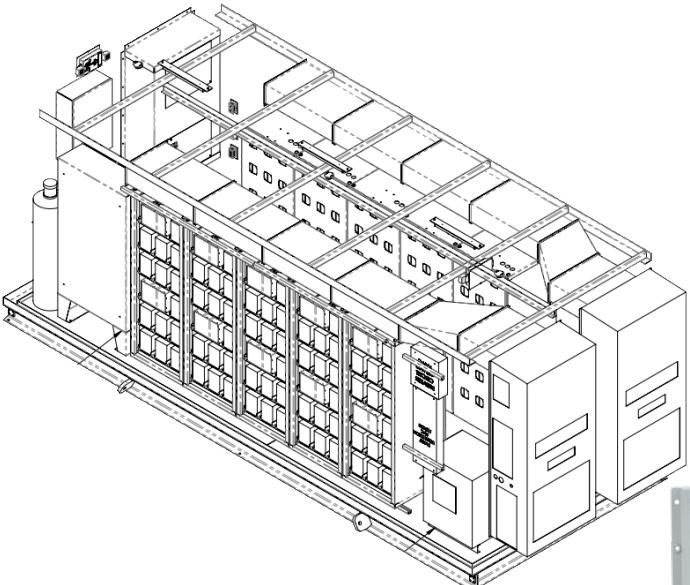


# Battery Management Solutions and Energy Storage Engineering Services



# Fully Integrated Products



- Software logic
- Decision making
- Prioritization

- Monitoring
- Protecting
- From cell to DC Bus

# UL 1973 Product Update



- ✓ Low Voltage BMS
- ✓ High Voltage BMS
  - ✓ Cell Interface
  - ✓ Power Interface
  - ✓ Stack Controller
  - Stack Switchgear - beginning of Q2

## FUNCTIONAL SAFETY

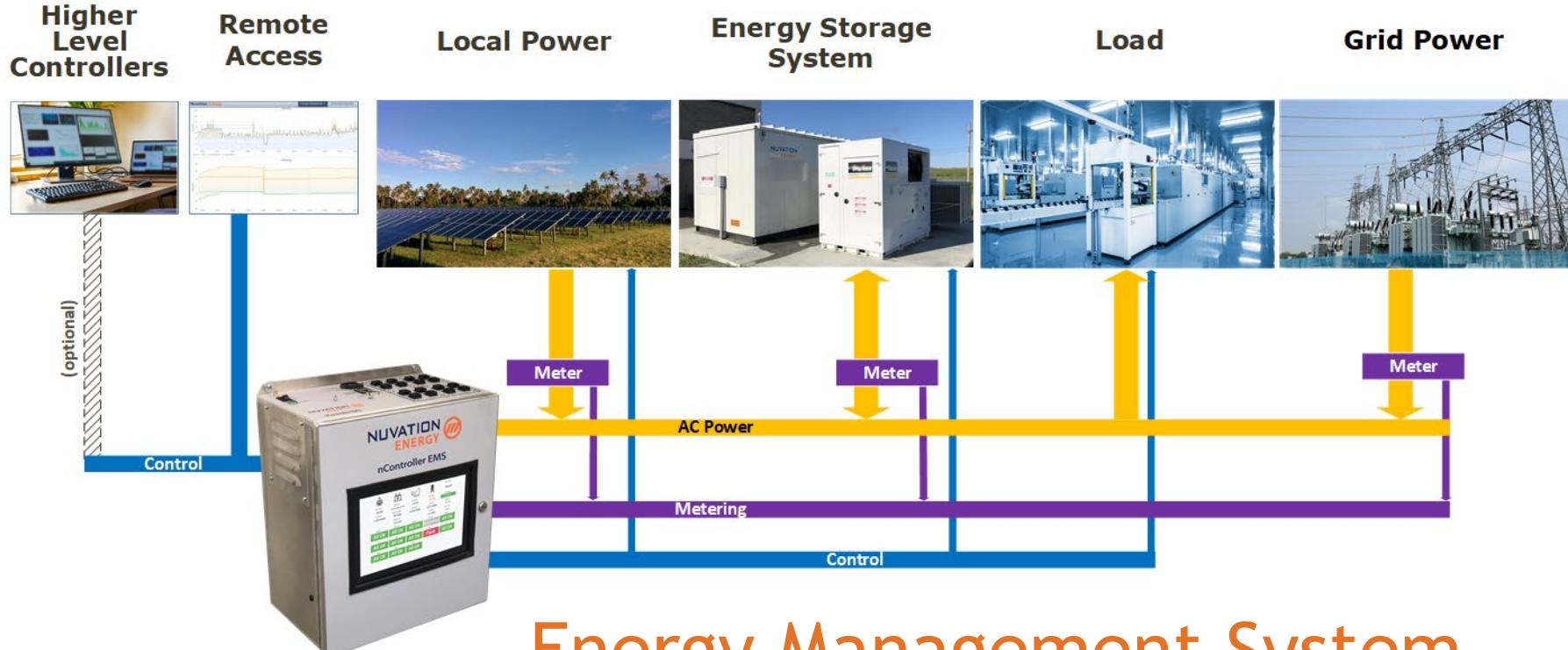


# Engineering Services

- 50 full-time staff engineers
- Stack and ESS design for certification (UL 1973, 9540, CE, CISPR, and others)
- Device and application level controllers
- Systems integration
- Capacity augmentation
  - Adding different batteries
  - BMS retrofits
- Turnkey ESS
- Technical reviews



# nController EMS



Energy Management System

# BMS Selected by EVLO



- Exclusive BMS provider to EVLO, subsidiary of Hydro-Quebec
- Overall size = ~200 MWh. Examples:
  - FTM arbitrage & frequency regulation, Tonnere, France (9MWh)
  - Islanding microgrid - Lac Megantic, Quebec (700kWh)
  - FTM arbitrage, province of Quebec (20MWh)



# The EVLO 1000 1MWh BESS

NUVATION  
ENERGY 

- Nuvation Energy as EVLO reseller
- Delivered assembled (3 shipping splits)
- Reach-in design for easy servicing
- 20-year / 7000 cycle lifespan
- 100% Depth of Discharge
- Safe LFP, no cobalt
- 100% recyclable battery
- Nuvation Energy BMS

NUVATION  
ENERGY  |  by Hydro-Québec





# PROVIDING POWER ENGINEERING SOLUTIONS SINCE 1997

*Accelerating  
Energy Storage*



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