

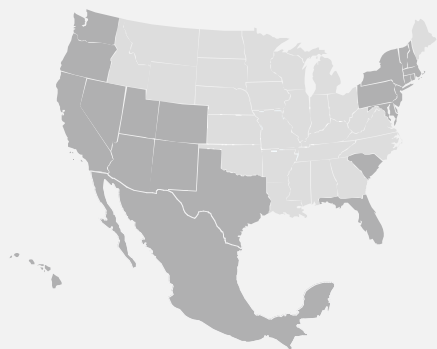


TESLA

AEMC – 5 minute settlement

04/05/2016

DELIVERING SYSTEMS AT SCALE



SOLAR

2,000+ MW Solar Deployed
\$9 Billion+ Project Value



STORAGE

300 MWh Storage Deployed
Systems online in 15+ countries

INTEGRATED ENERGY SOLUTION



POWERPACK

Lithium-ion batteries
Liquid thermal control
Isolated DC-DC converter

INVERTER

Bi-directional
Transformer-less
Modular
Off-grid and grid-tied capable
99% peak efficiency

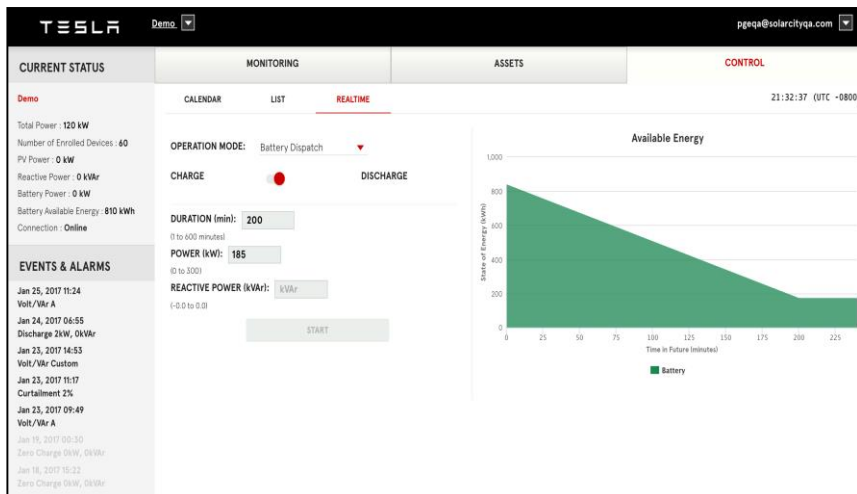
INTEGRATED SOFTWARE

Optimization software
Battery management system
Site master controller

REMOTE MONITORING

Real-time monitoring & control
Real and reactive power services
Optimized dispatch and market participation

DYNAMIC SOFTWARE PLATFORM



MONITORING AND CONTROL

- Real-time production and consumption data
- Individual asset and aggregated portfolio data
- Discover, locate, and resolve issues to maximize system uptime and performance

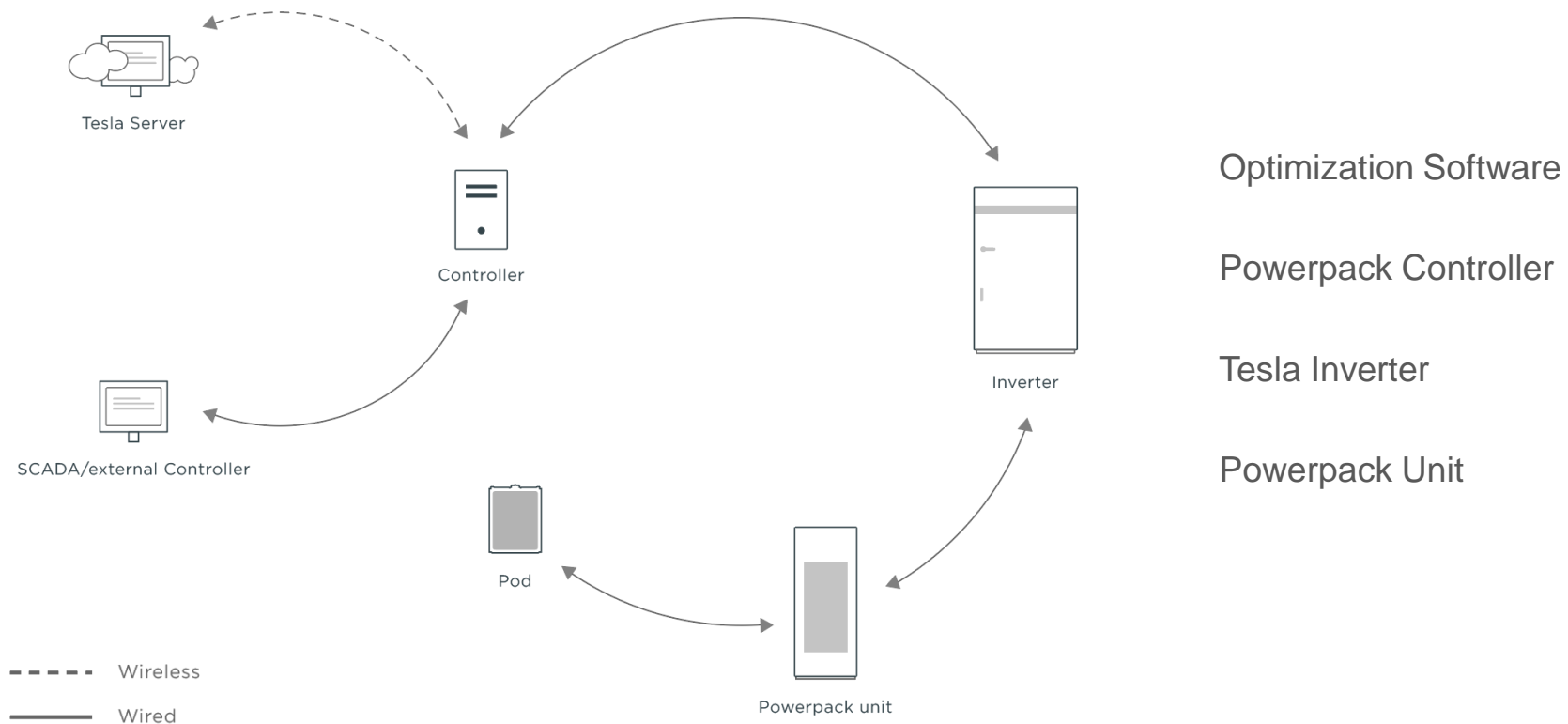
OPTIMIZATION AND FORECASTING

- Real-time energy analysis and forecasting
- Intelligently allocates power/energy commands across individual sites to maximize efficiency and longevity
- Optimizes aggregated portfolios for on-site savings, T&D services, and market participation

MARKET PARTICIPATION

- Response time <1 second full power
- Grid integration through SCADA software – locally or remotely
- Accurate current power feedback through to dispatch

POWERPACK GRID INTERFACE





Customer

Southern California Edison

Location

Ontario, CA

Project Size

20 MW / 80 MWh

Applications

Peaker plant replacement

Commissioned

**2016. Three months from
deployment to operation**

ONE OF THE WORLD'S LARGEST STORAGE PROJECTS



20MW / 80MWH



48 INVERTERS



396 POWERPACKS



Customer

Kauai Island Utility Cooperative (KIUC)

Location

Kauai Island, HI

Project Size

13MW Solar PV

13MW / 52MWh storage

Applications

Solar energy firming and shifting

Commissioned

2017