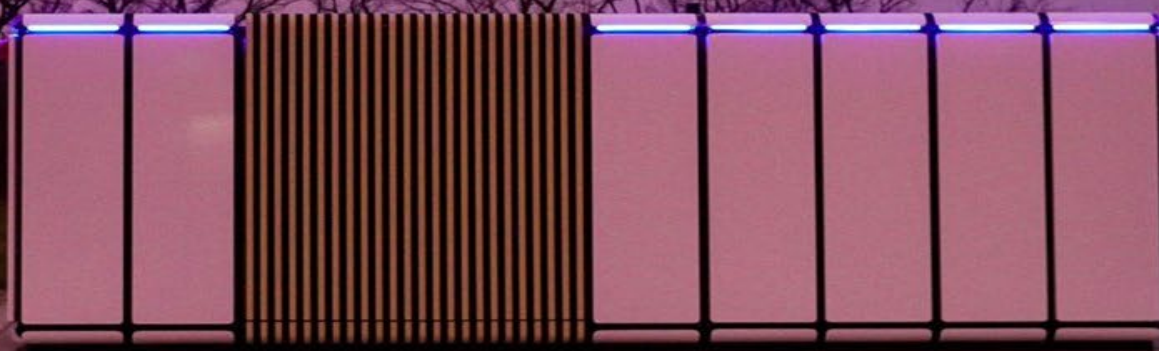




Powering the Future,
Everywhere for Everyone.



LEADING PROVIDER OF DIFFERENTIATED ENERGY SOLUTIONS

Sales

Adj. Operating Margin

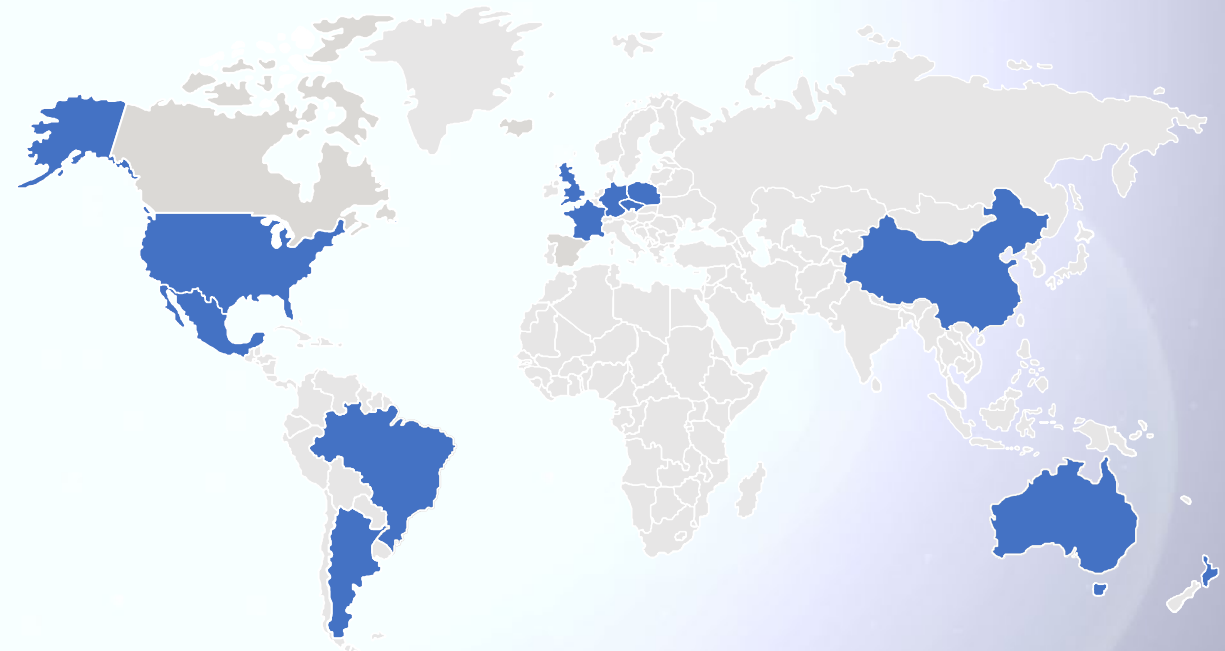
Adj. Diluted EPS

Total Employees

Customers

Market Share²

GLOBAL CUSTOMER BASE³



Leveraging Our Platforms Across All Segments

3 Core Technology Platforms

3 Business Segments

8 End Markets

EnerSys®

**Premium
Energy
Solutions
Provider**

**Energy
Storage**
(Flooded, TPPL,
Lithium-ion)

**Power
Electronics**

Software

Energy Systems

Motive Power

Specialty

Telecom Networks

Broadband Cable

Industrial Power and Utilities

Renewable Energy

Data Centers

Logistics and Warehousing

Aerospace & Defense

Transportation

Technology Advancements

POWERING THE FUTURE, EVERYWHERE FOR EVERYONE

CPUC Network Powering Program



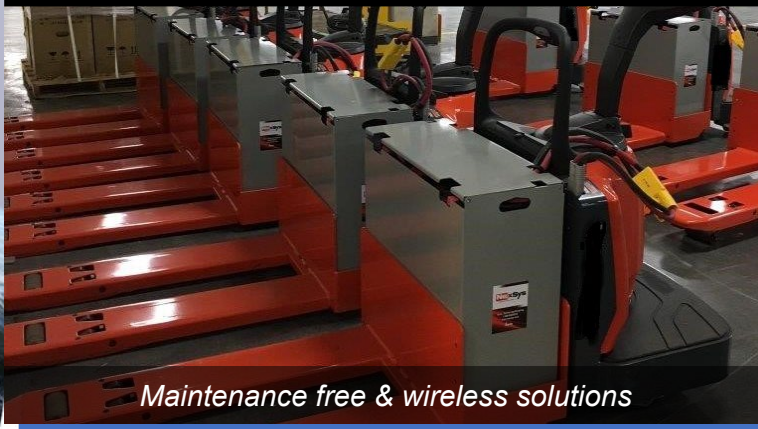
Specialty Batteries



Fast Charge & Storage



NexSys® TPPL and Li-ion Options



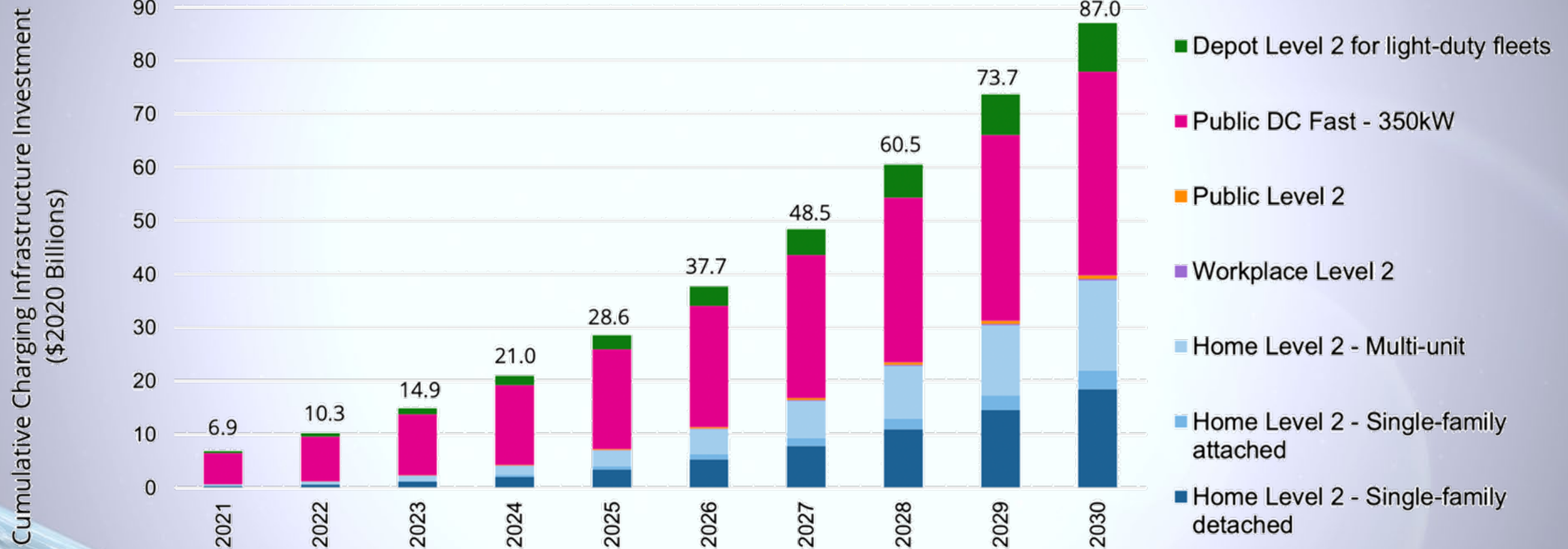
TouchSafe



EnerSys Target Market – Public DC Chargers

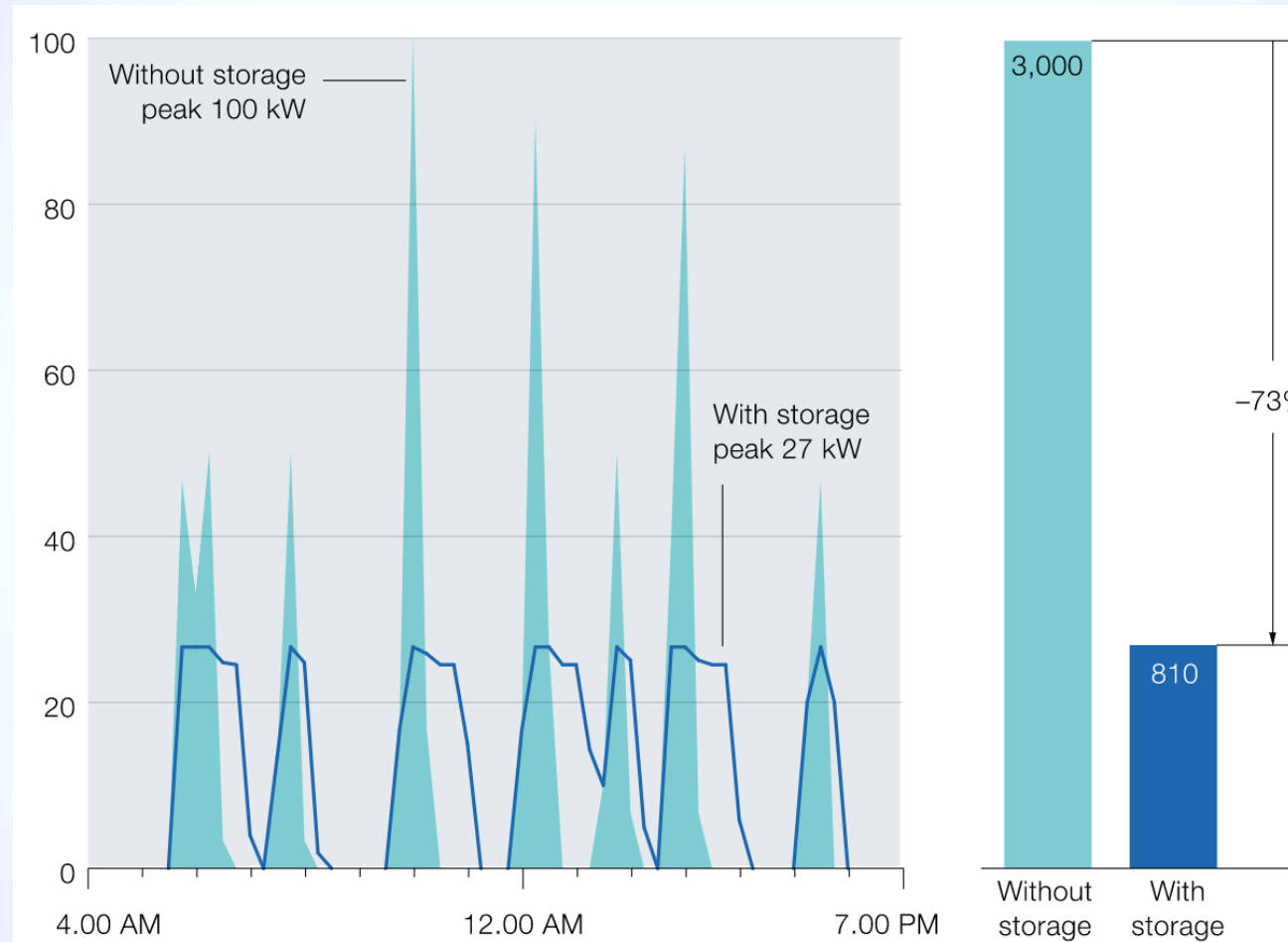
\$39B NEEDED FOR PUBLIC CHARGING BY 2030

Additional Charging Investment Needed to Support 100% Electrification of Light-Duty Vehicle Stock by 2060



Grid Connection

PEAK SHAVING – REDUCED “DEMAND CHARGES”



This assumes (i) the station has four direct-current fast charging 50kW charger; (ii) 11 charging sessions occur during the time period profiled (4 AM to 6 PM); (iii) there is at least one instance where two cars charge simultaneously; (iv) the demand charge rate is \$30 per kW; and (v) the battery-storage system is 150 kWh and can discharge at up to 75 kW.

Economics

The systems become more attractive in stacked configuration

Function	Value
Peak Shaving	\$\$\$\$
EV Fast Charging	\$\$\$
Demand Charge Reduction	\$\$\$
VPP	\$\$\$
Renewable Integration	\$\$
UPS	\$
Infrastructure Rental	\$

Service

FINDING CHARGERS THAT WORK

- San Francisco study: 23% of chargers not working (physical damage)
- Only 50% were successful in retail transaction

Rempel et al., 2022

- “Not only is EV charging still an obstacle, but EV owners continue to be faced with charging station equipment not operable.”

JD Power, 2022

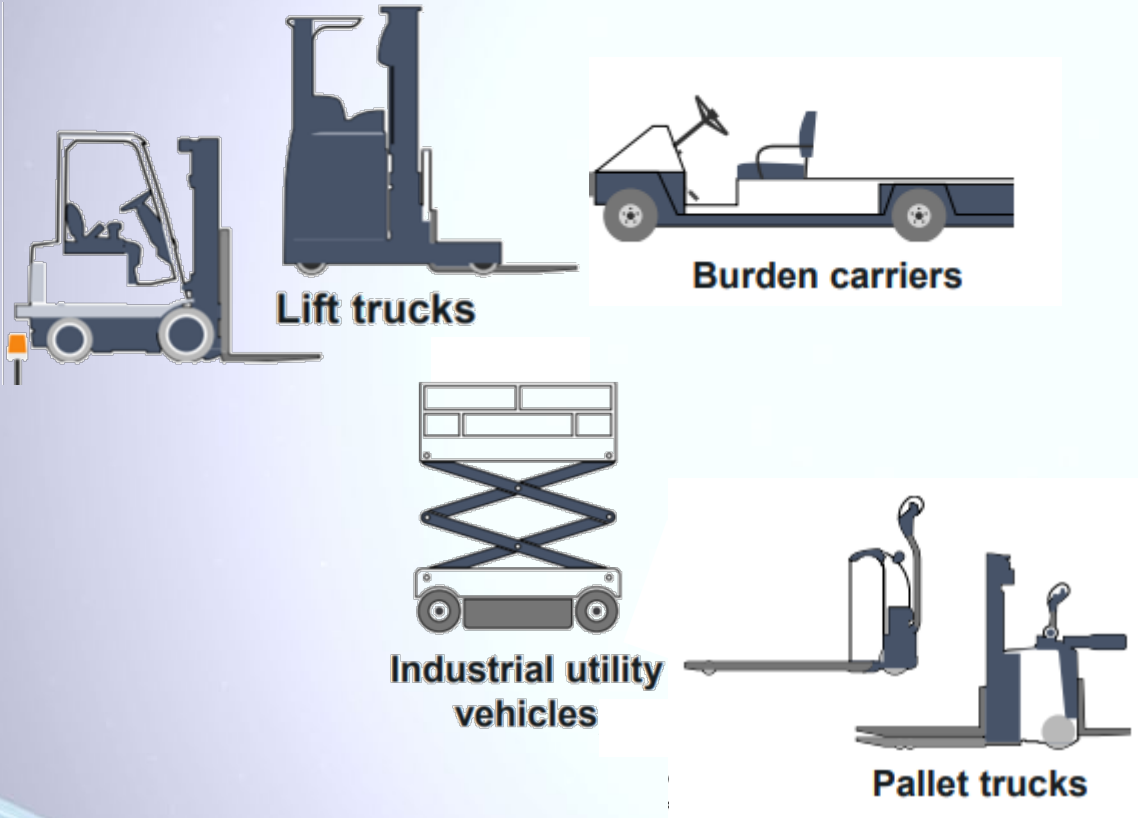
- “If we want to see EV adoption continue to ramp up, we need to solve this problem”

New York Times, 2022

EnerSys - Experience

Batteries + Chargers + Motive Experience

Experience in delivering Intelligent DC Charging



Motive Power (Battery + DC Charger)

- 32% global market share
- 50% + North America market share
- Installed base of over 1,200,000 motive DC Chargers (3.5kW to 56kW) globally.
- This account for ~10GWh of annual charging

EnerSys - Service

FIELD SERVICE TEAMS IN NA AND EUROPE



Over 750,000 power supplies with backup
Harden modems providing WiFi hotspots and 5G
4.5 million monitored IoT devices



Powerful Intelligent Integration

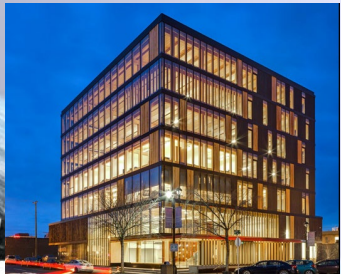
Smart Energy & Load Management Ecosystem



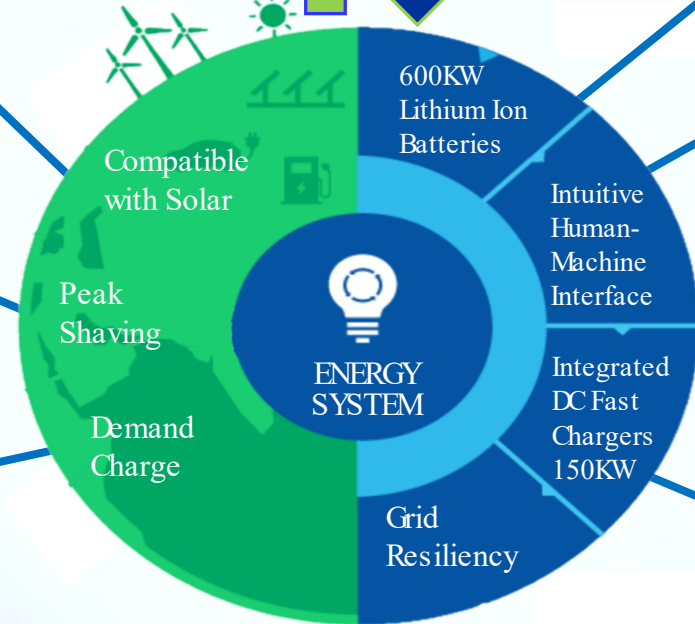
Commercial Solar



Grid Infrastructure



Energys
Building Facility
Power/Full Solutions



EV-Pedestal 150KW



EV-Pedestal 150KW




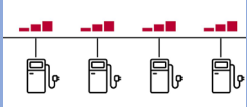










EV-Pedestal 150KW

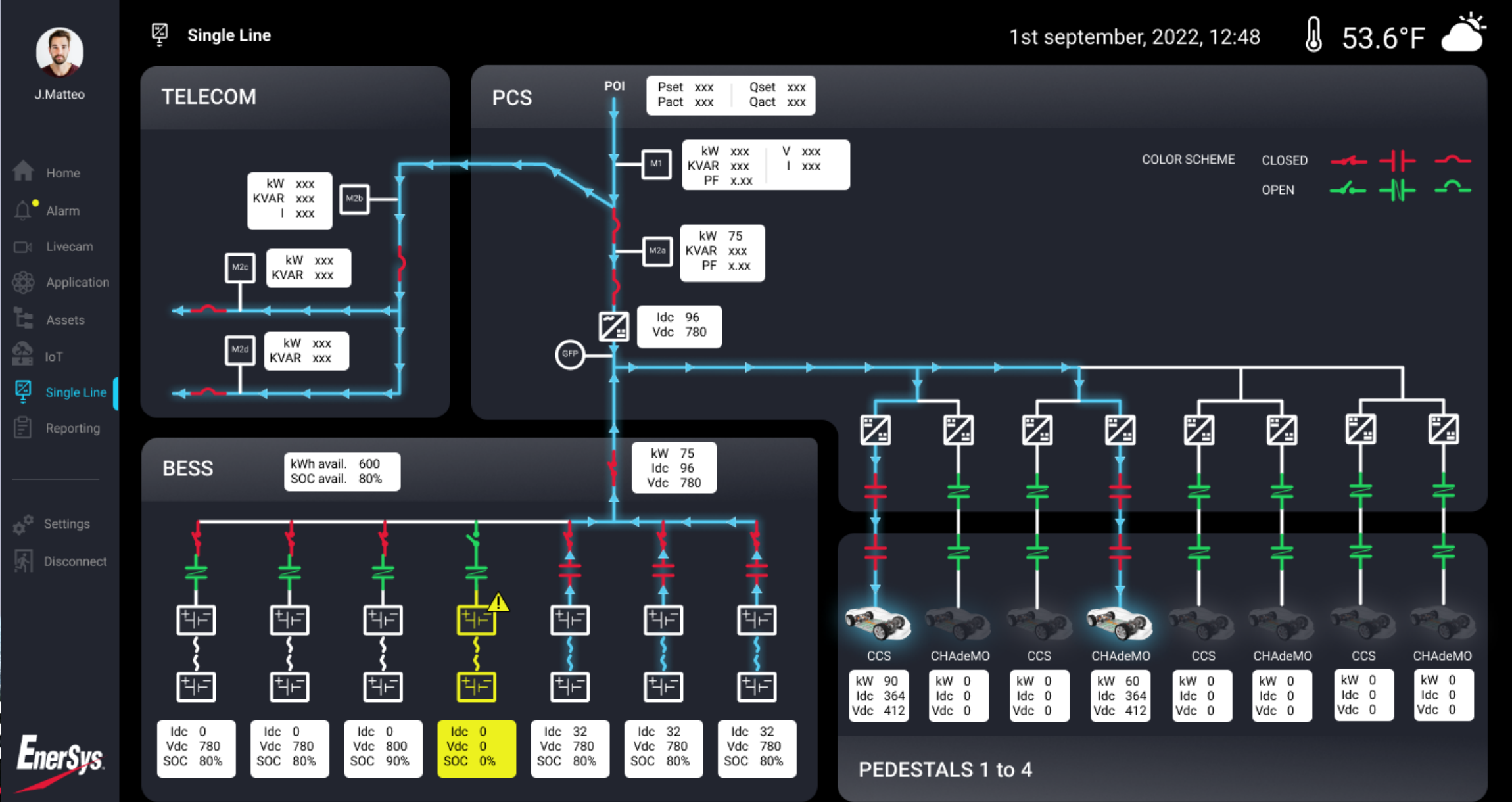


EV-Pedestal 150KW

Software Stack

Customer			
	Charging Status	Station Location	Availability
Operations			
	Load Management	Authorization	Charging Station Management
Engineering			
	Digital Twin	Analytics	Cyber Security
Grid			
	Load Prediction	Distributed Energy Storage	Digital SCADA

Cloud Based Asset Management



Integrated Control Systems

EnerSys offers

- Hardware
- Software
- Services

DC Fast Charge

480Vac (50 to 500kW)

MV / LV Transformer
12.47-35kV – 480Vac

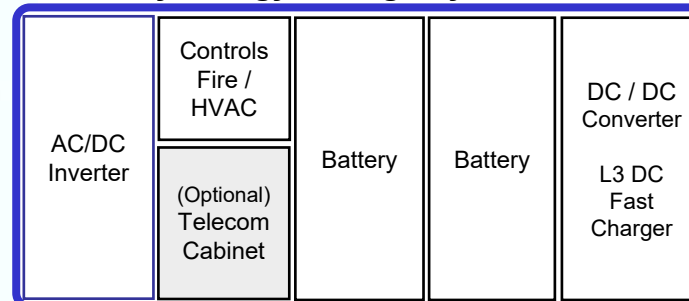
Distribution Switchgear
Main Breaker and Metering



Distribution Feeder

AC Feed

Battery Energy Storage System



“DC Coupled” Systems

- The main AC to DC inverter is smaller
- Pedestals are smaller (DC in container)
- Systems is ~25% smaller, and ~20% lower in cost

Cloud based “AI”
Data Processing, Control
Server, Data Storage



System Management
Remote Monitoring and Control,
Predictive Maintenance



Customer Cloud
Fleet Management System

Charging Station Management & Support

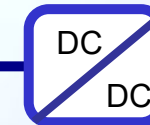
Charging telemetry, Smart phone app, HMI,
Billing/Payment System, Roaming between
networks, Advertising, Loyalty programs, etc.



**E-Mobility
Service
Provider**



DC
Current



DC Pedestal

(Smaller and cheaper and AC to DC Pedestal)

Solar (PV)

Installation

Modular & Scalable





PCS Cube + Telecom

Bidirectional AC = 300 kVA

DC = 600 kW (4x150kW)

DC Coupling

Integrated Solar Charger

BESS Cube

Storage = 600 kWh

EnerSys lithium powered

Proprietary Fire

Propagation

Countermeasures



Powering the Future,
Everywhere for Everyone.

Thank You

