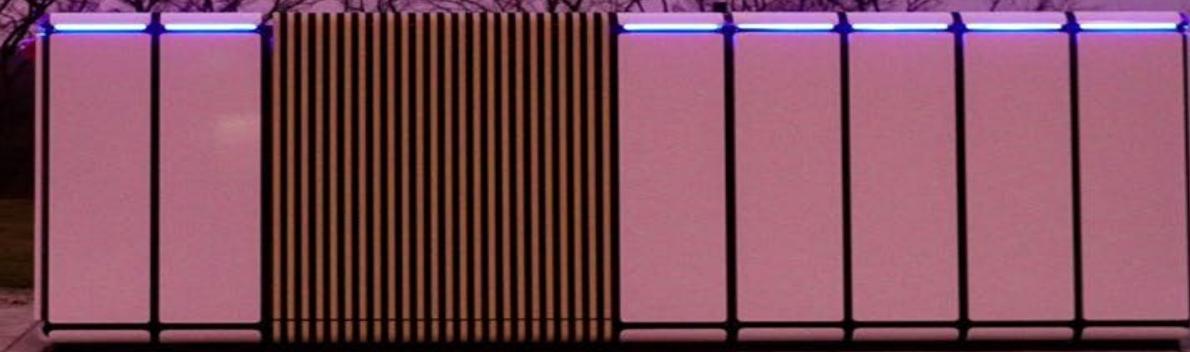




Powering the Future,
Everywhere for Everyone.



EnerSys At A Glance (NYSE: ENS)

LEADING PROVIDER OF DIFFERENTIATED ENERGY SOLUTIONS

\$3.4bn¹

Sales

7.9%¹

Adj. Operating Margin

\$4.47¹

Adj. Diluted EPS

~11.4k¹

Total Employees

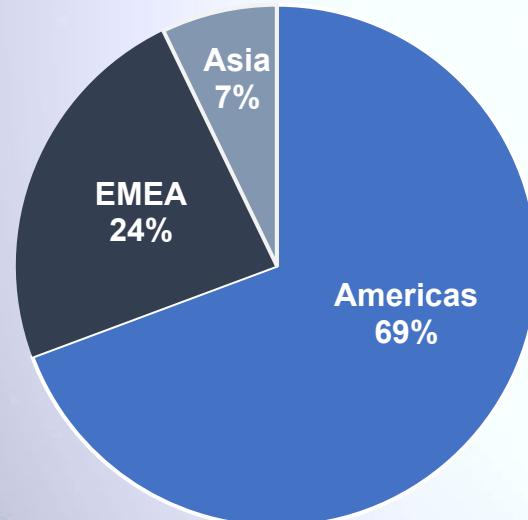
10k+¹

Customers

22%¹

Market Share²

FY'22 SALES BY GEOGRAPHY



GLOBAL CUSTOMER BASE³



1. FY'22, year end March 31, 2022

2. Source: BCI, Eurobat industry reports and management estimates based on the markets where EnerSys participates. Market size and share are for batteries and chargers only. It excludes power solution and services to broadband, telecom and other markets, and the aerospace & defense and cabinet enclosures markets (each estimated at \$1 to \$2 billion)

3. Represents geographies with EnerSys manufacturing and distribution centers

Leveraging Our Platforms Across All Segments

3 Core Technology Platforms



3 Business Segments



8 End Markets

Telecom Networks

Broadband Cable

Industrial Power and Utilities

Renewable Energy

Data Centers

Logistics and Warehousing

Aerospace & Defense

Transportation

EnerSys®

**Premium
Energy
Solutions
Provider**

EnerSys®
Power/Full Solutions

Technology Advancements

POWERING THE FUTURE, EVERYWHERE FOR EVERYONE

CPUC Network Powering Program



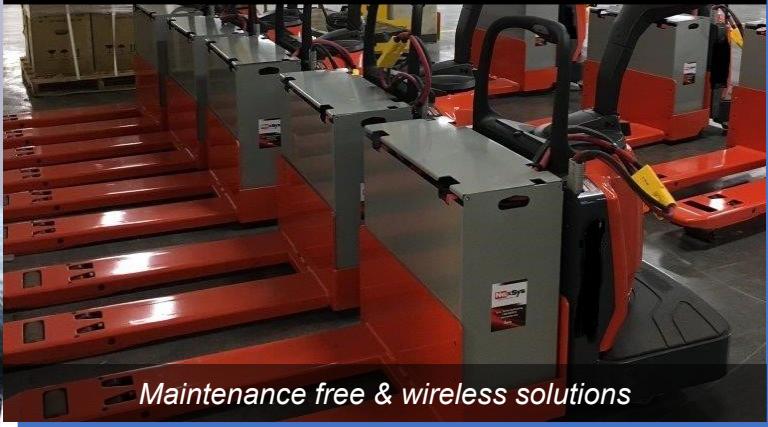
Specialty Batteries



Fast Charge & Storage



NexSys® TPPL and Li-ion Options



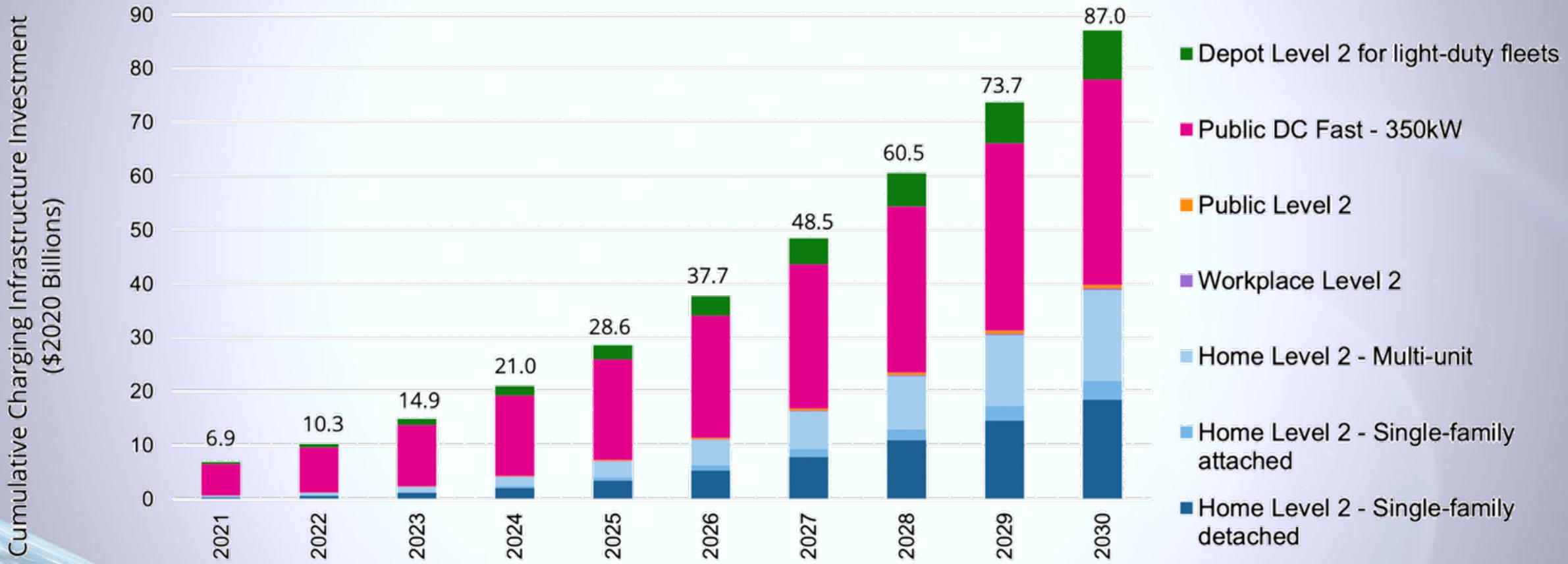
TouchSafe



EnerSys Target Market – Public DC Chargers

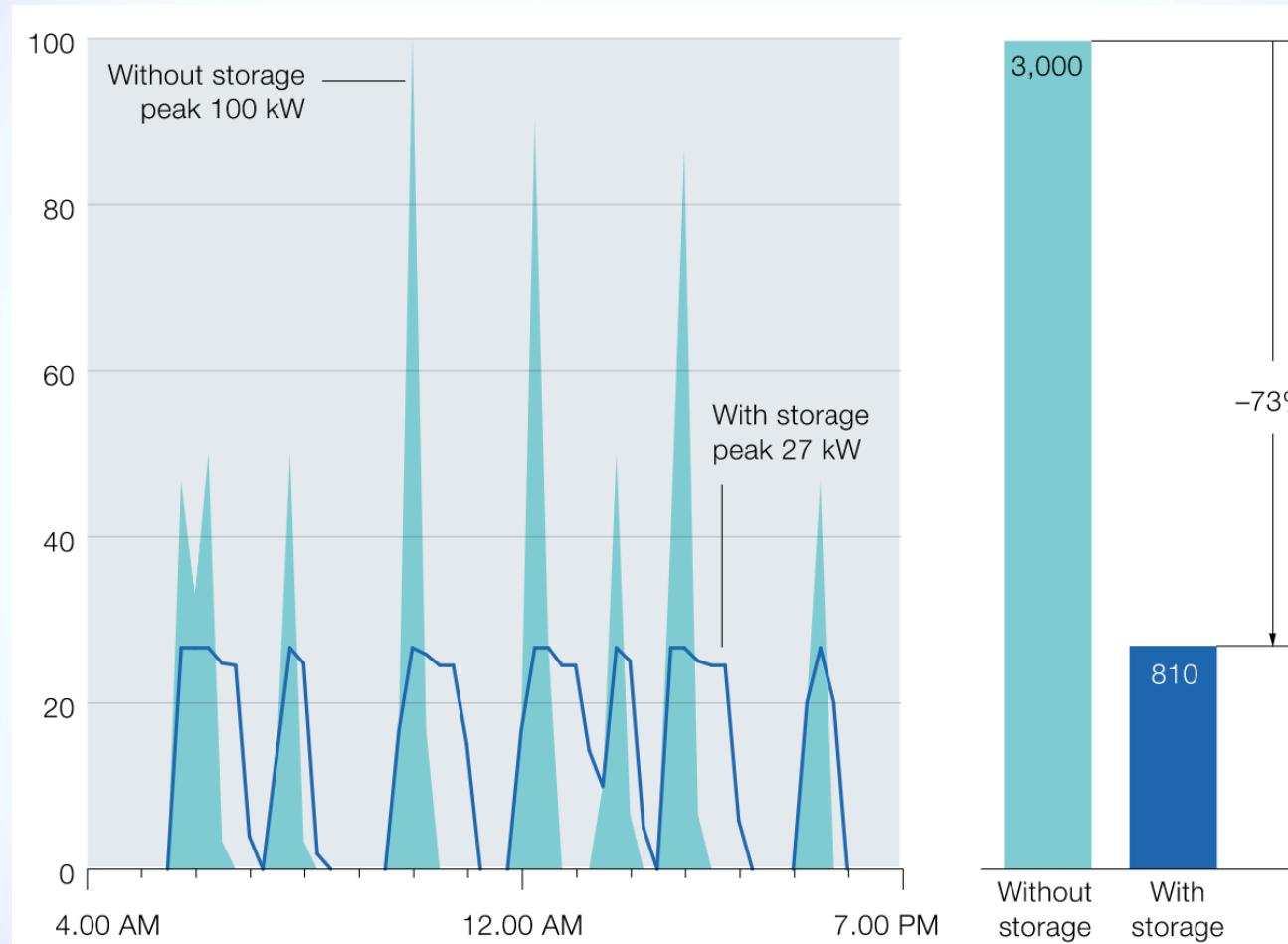
\$39B NEEDED FOR PUBLIC CHARGING BY 2030

Additional Charging Infrastructure 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

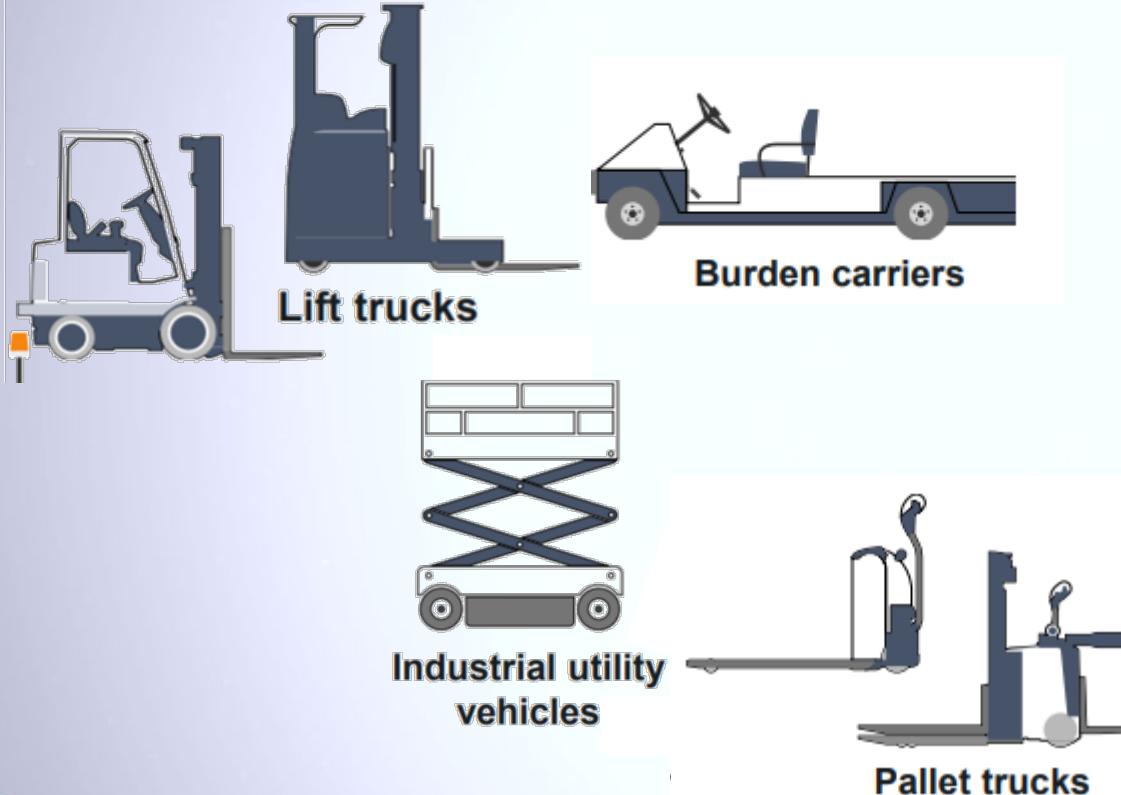
- “If we want to see EV adoption continue to ramp up, we need to solve this problem”

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



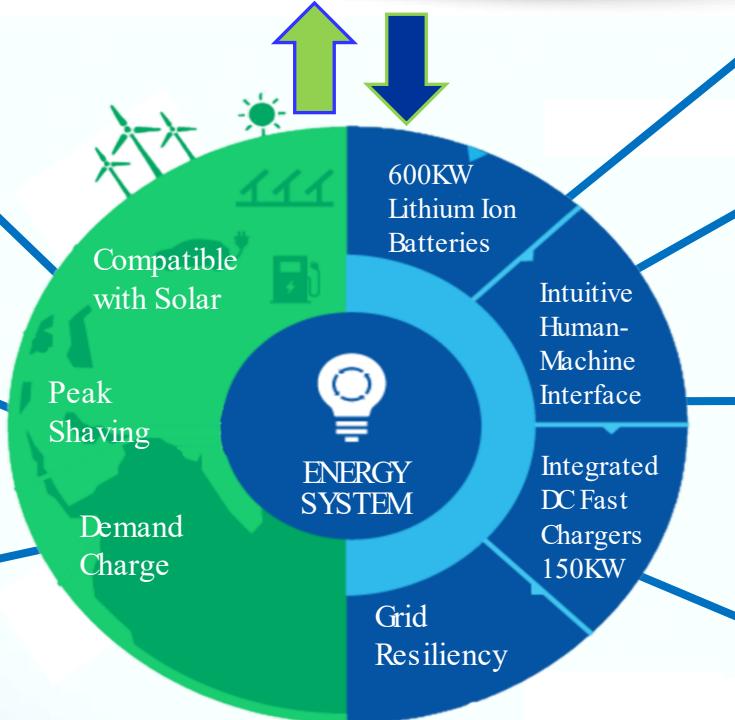
Commercial Solar



Grid Infrastructure



ENERGY
Building Facility
Power/Full Solutions



Clean Decentralized Resilient Optimized



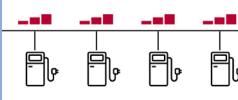
EV-Pedestal 150KW

EV-Pedestal 150KW

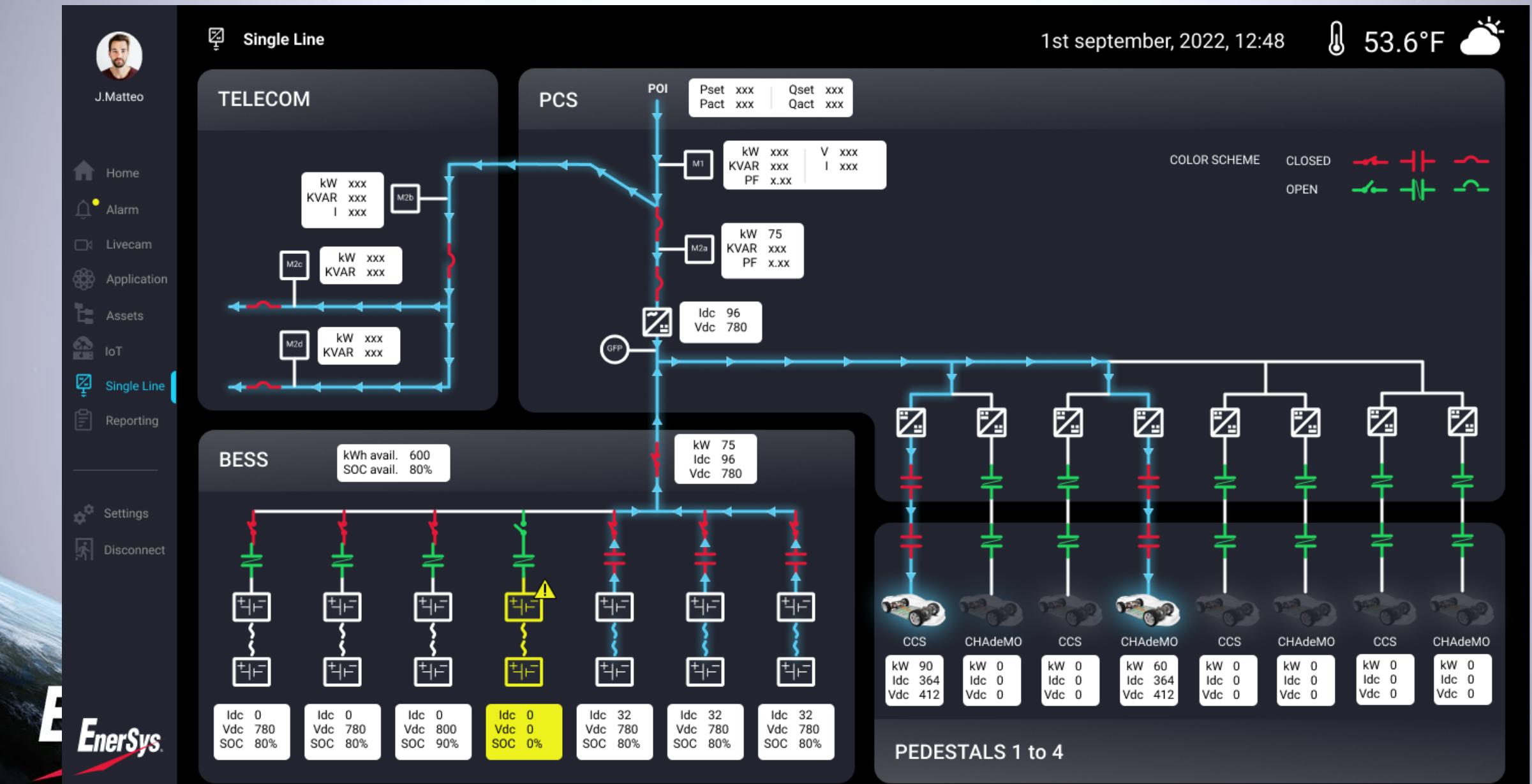
EV-Pedestal 150KW

EV-Pedestal 150KW

Software Stack

Customer		Charging Status		Station Location		Availability		
Operations		Load Management		Authorization		Clearing		Charging Station Management
Engineering		Digital Twin		Analytics		Prognostics		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)

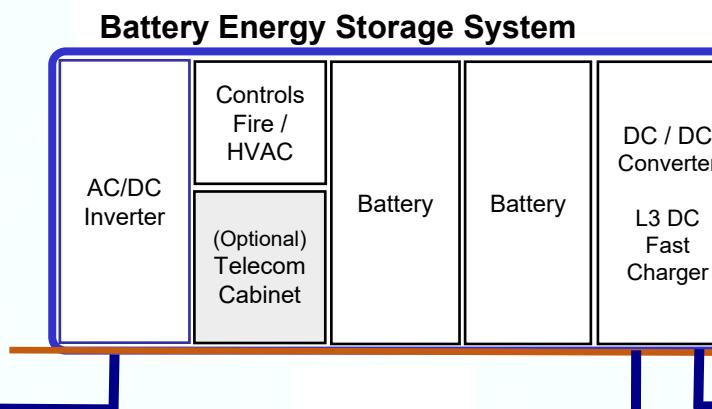
MV / LV Transformer
12.47-35kV – 480Vac

Distribution Switchgear
Main Breaker and Metering



Distribution Feeder

AC Feed



“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



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



Solar (PV)

DC Pedestal
(Smaller and cheaper and AC to DC Pedestal)

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

