

Supercharging Port's Operations through Technology

Transport Middle East – Abu Dhabi

29 Jan 2026

WWW.TMEIC.COM

Introduction



Suraj Mishra

Business Development Manager
TMEIC Industrial Systems

Experience:

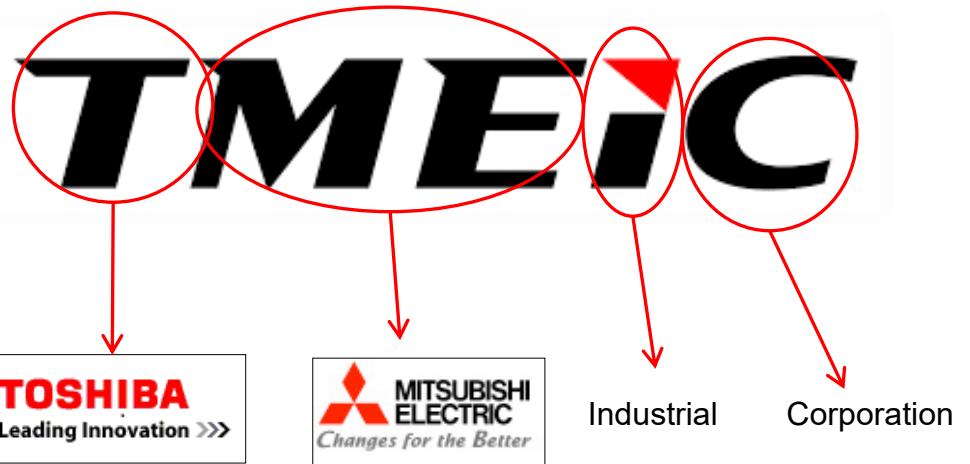
2009 – 2012 Procurement Manager
Godrej & Boyce Mfg Co Ltd

2012 – 2025 Head of Equipment & Automation Procurement
APM Terminals

Since April 2025 Business Development Manager, Industrial
Systems
TMEIC

Education:

Mechanical Engineering – University of Pune
Executive MBA – NMIMS, Mumbai



TMEIC is a global drive and automation systems supplier with manufacturing, engineering, sales, and service facilities around the World.

We are enabling Green Transition across industries



Ports & Terminals

On-Shore Power Supply Equipment
Electrification & Charging
Smart and Micro Grids
Energy Storage Solutions
Energy Management & Control



Metals

Drives and Inverters for
Power control and management
Automation solutions
for enhanced mill performance



Renewable Energy Production

Inverters for Grid-Scale Solar
Energy Storage Systems



Hydrogen Solutions

Rectifier Systems for Electrolysis
Motors & Drives for Compression and Liquification

Supporting customers globally with our global footprint

Global Presence

19 Offices

11 Factories

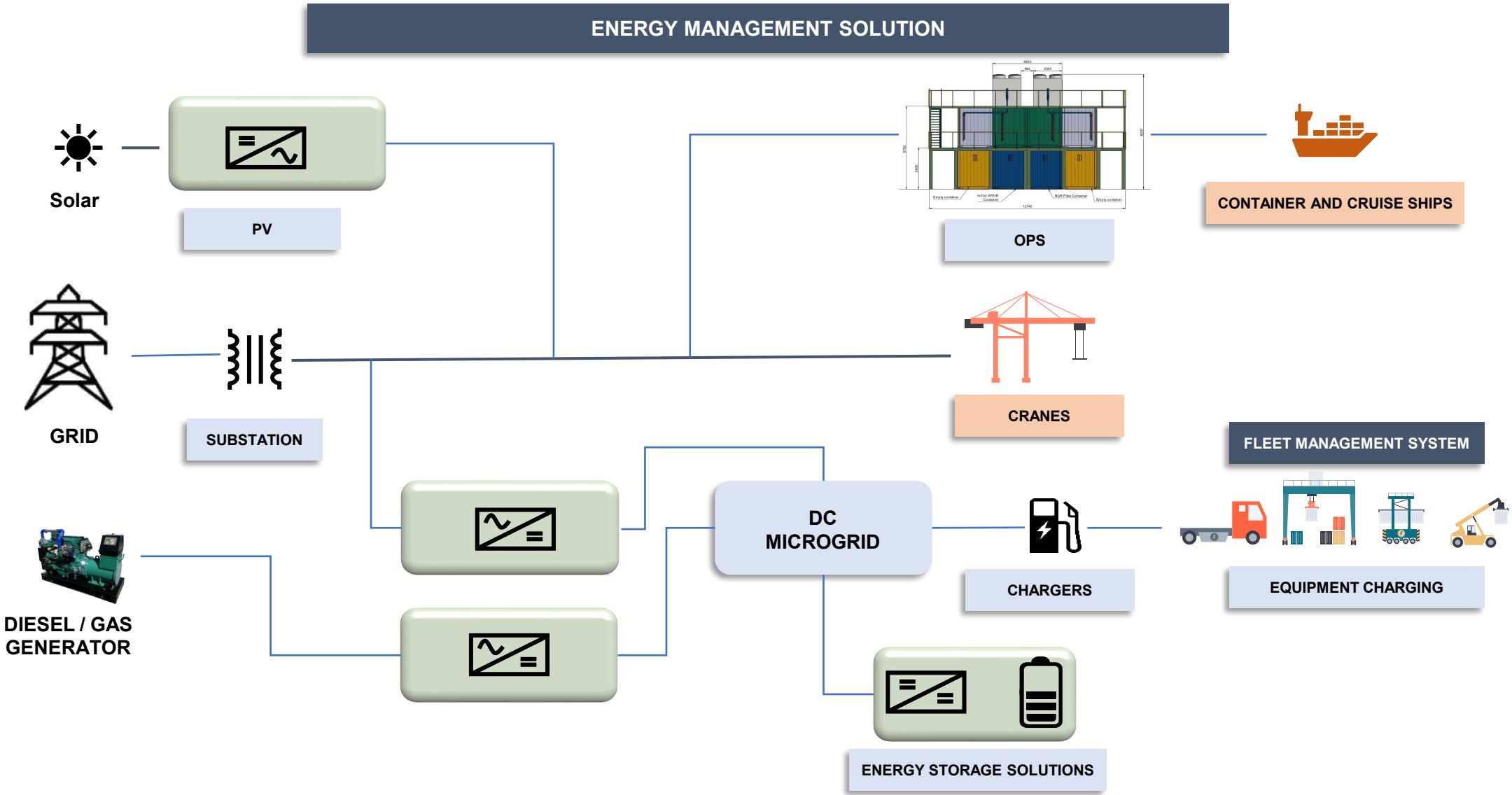
30 Total Locations

4,500+ Employees

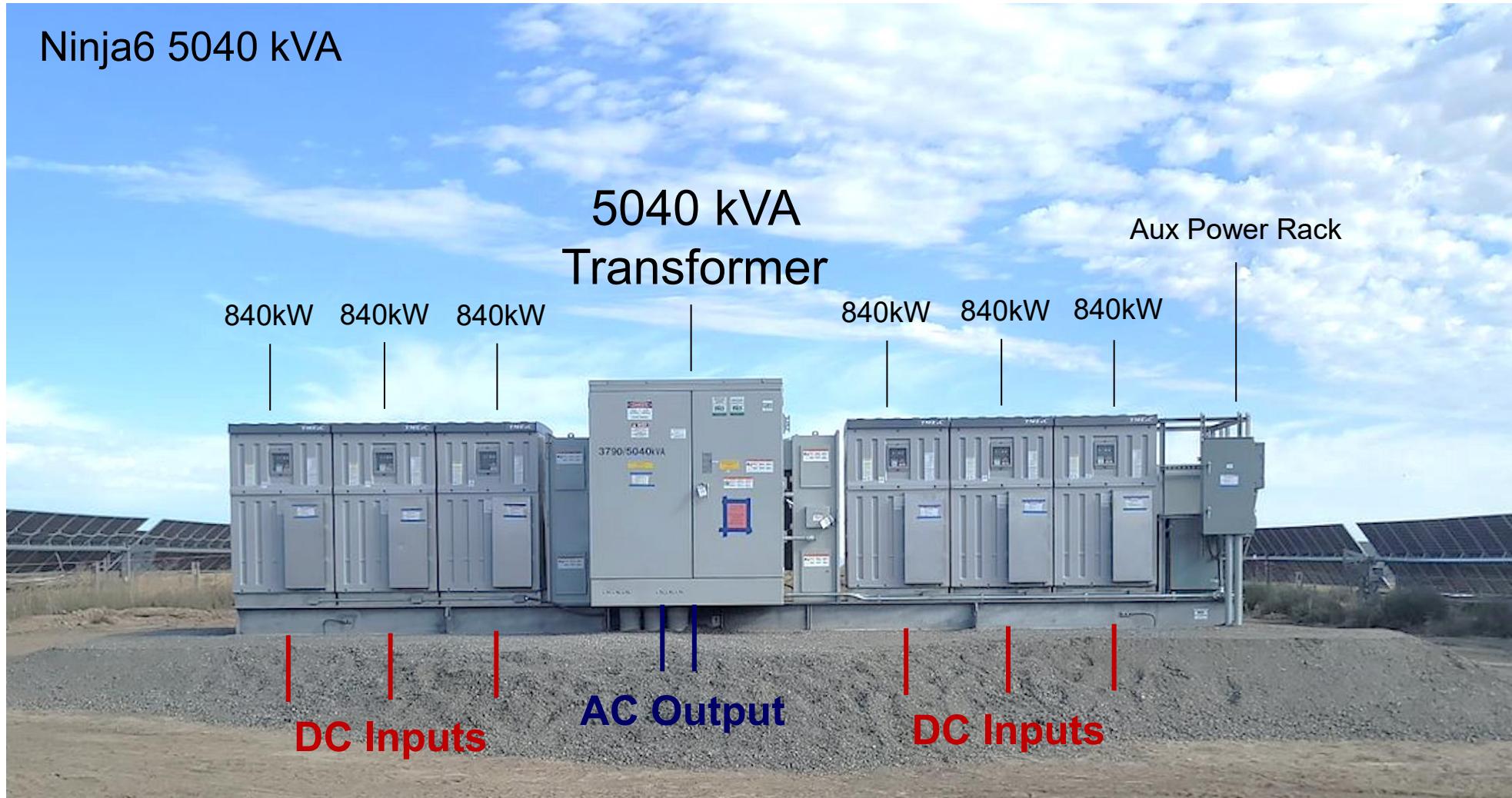
300+ Service Engineers



TMEIC's Port Electrification Vision



TMEIC PV Solution



TMEIC Microgrid – Bangalore

- ▶ TMEIC's India factory – Manufacture PV inverters and ESS inverters
- ▶ This facility has its own “microgrid” with factory load, PV, ESS, & energy management



TMEIC – MaxShorePower™ - 8 MVA Configuration

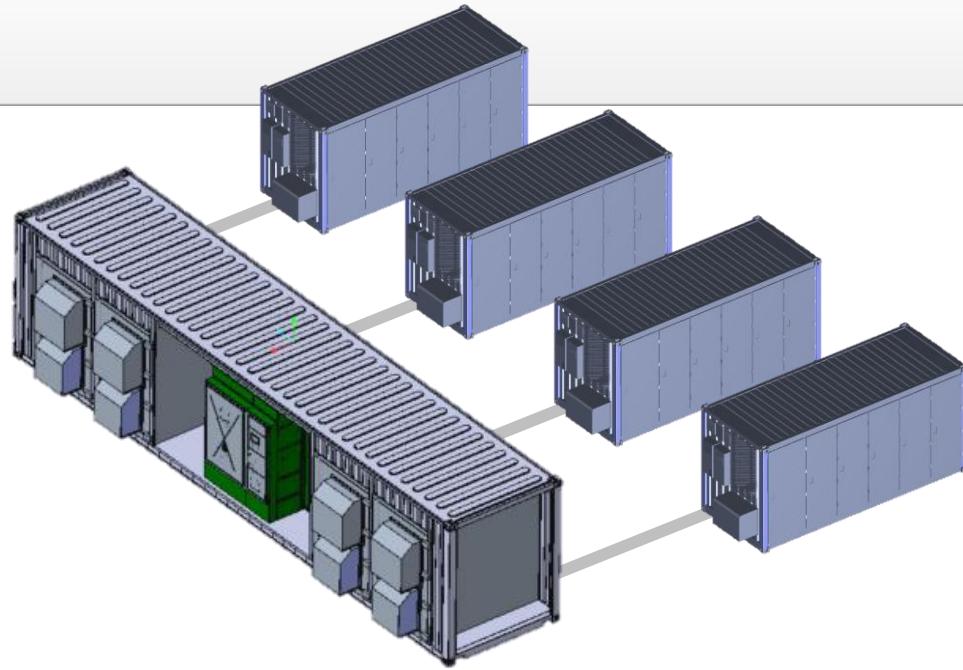


Two 4 MVA blocks in parallel

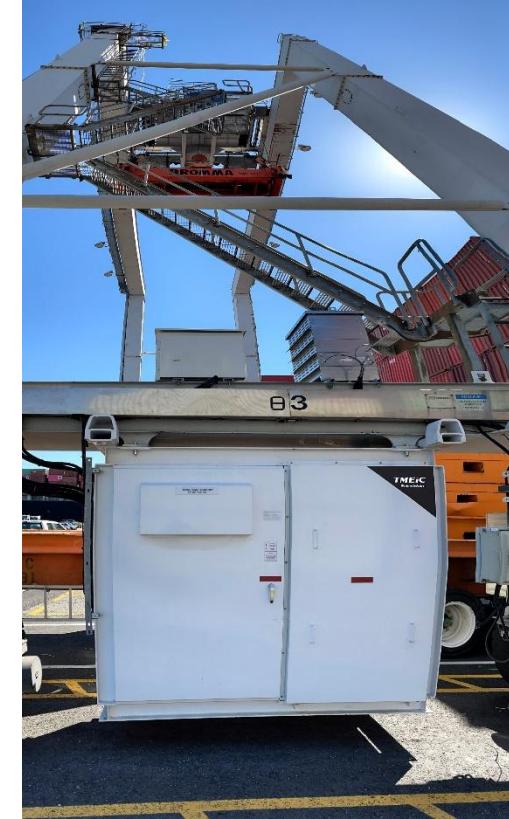
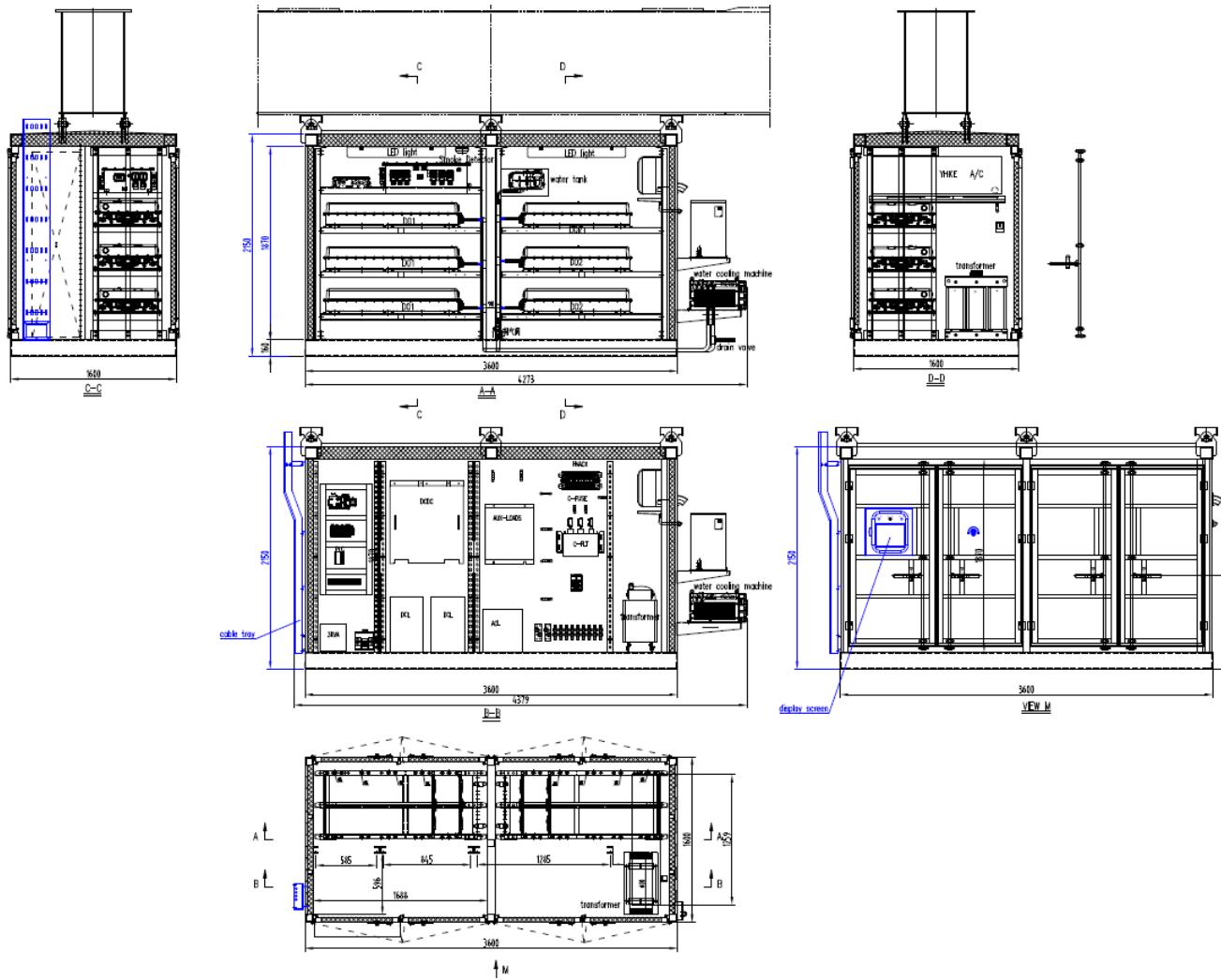
Energy Storage Solution

TMEIC Experience

- 2.3GWh ESS installed worldwide
- 30GW inverters connected throughout US grid
- Latest inverter generation delivered in Nov/2023



Hybrid RTG - Battery + Intermittent DG



TMEIC MW Charger



Power Converter

- ▶ AC to DC Converter - Ninja ESS
- ▶ DC to DC Converter - a MW outdoor type DC to DC converter under development

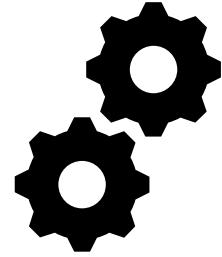
DC Dispenser

- ▶ Communication
- ▶ Cable Cooling
- ▶ Mechanical Enclosure
- ▶ Protection

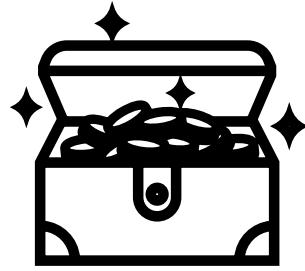
Control Card

- ▶ a control card for the power converter is under development

Navigating the Green Transition for Ports



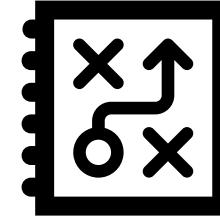
Technical &
Infrastructure



Financial &
Economic Factors



Regulatory &
Compliance



Operational
Planning

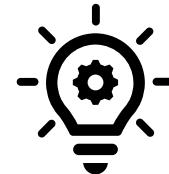


Sustainability &
Future Proofing

Navigating the Green Shift with TMEIC by Your Side



End-to-End
Infrastructure
Assessment



Modular & Operations
Friendly Solutions



Performance &
Partnerships



Co-present solutions to
Port Authorities &
Shipping Lines



Training & Capability
Building

Thank you