



Innovative Sigenergy Utility Solution for Optimal LCOE

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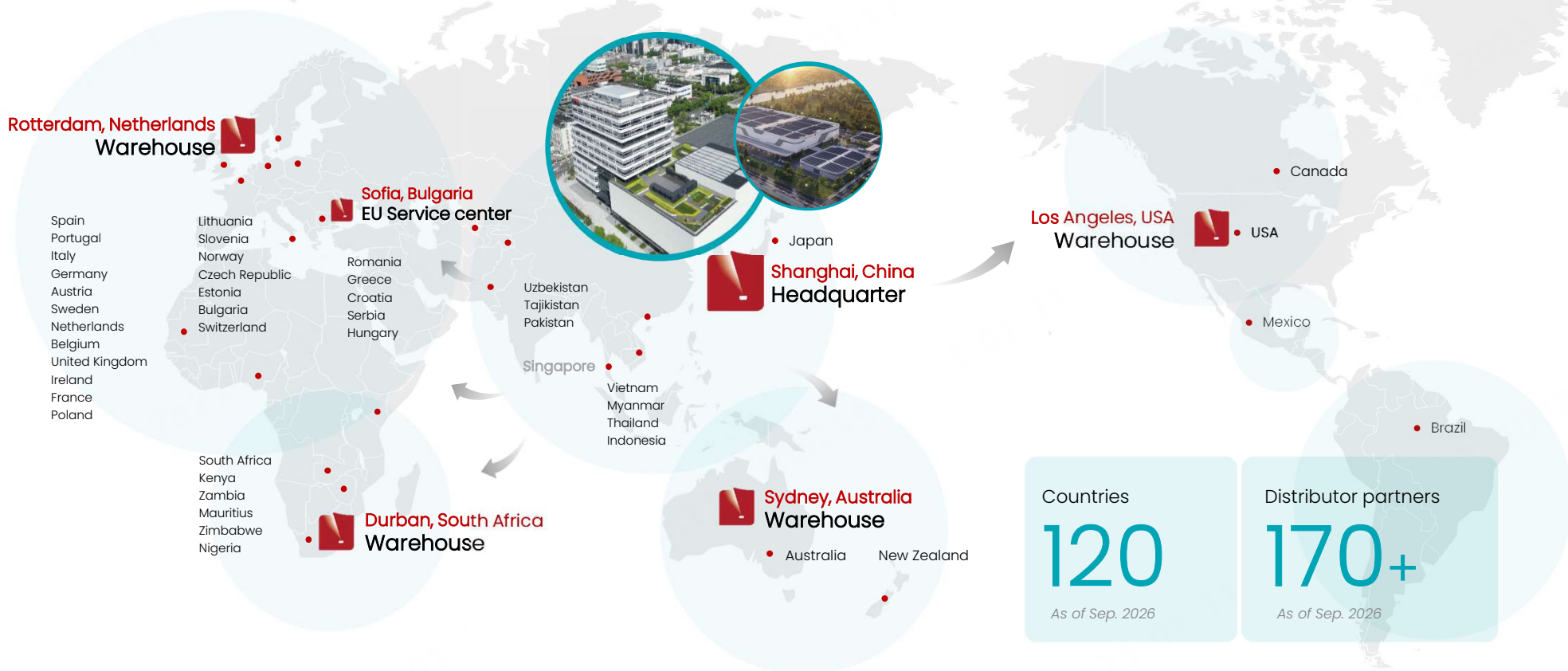


One Step at a Time, Further strength global presence



¹ According to the Frost & Sullivan report, as of the end of 2024.

Global Layout for Better Serving Partners

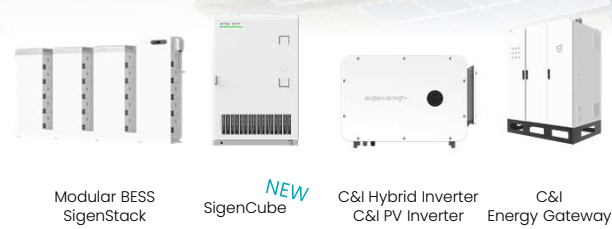


Sigenergy's All-scenario Solution Lineup

Residential Energy Solution



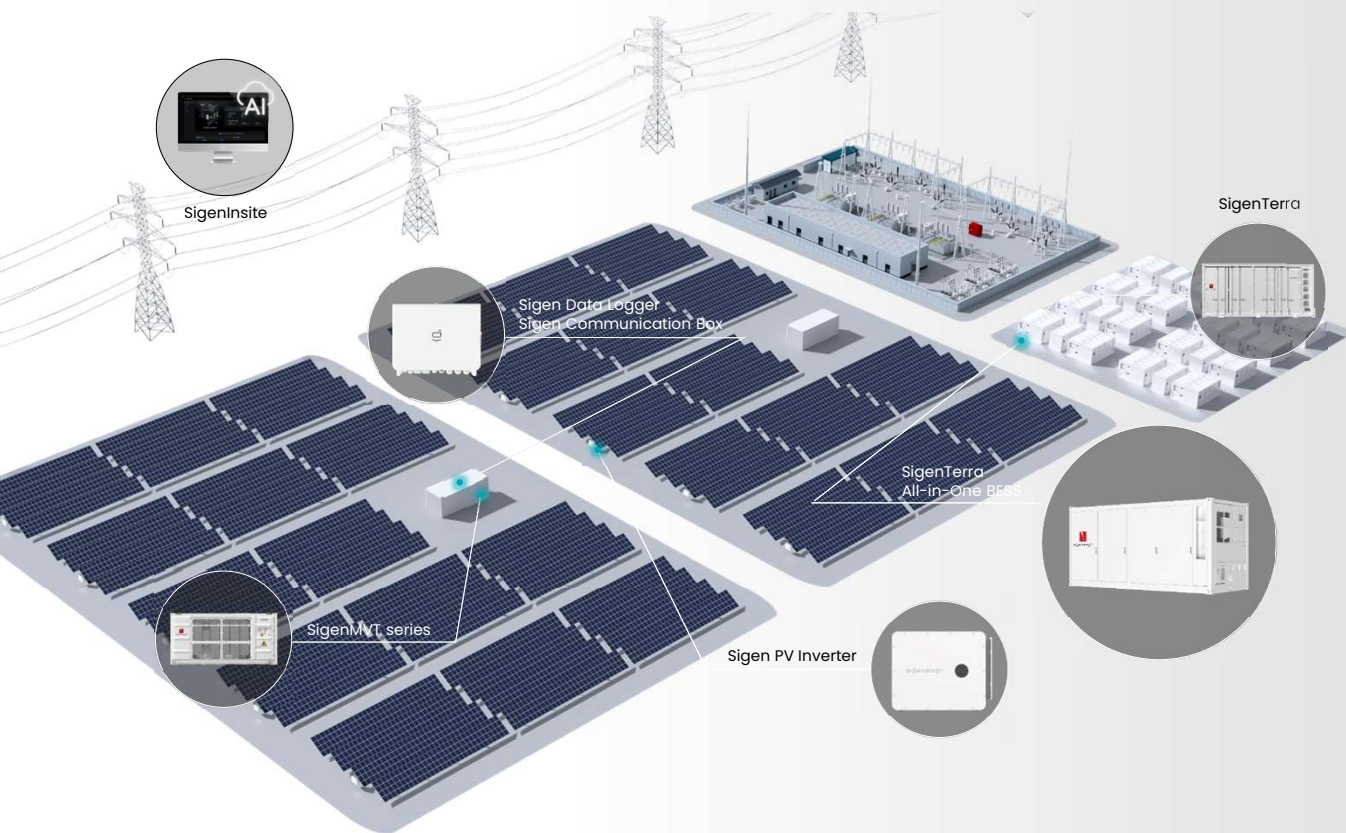
C&I Energy Solution



Utility Energy Solution



Sigenergy Utility Solution



Sigenergy Utility PV Solution



Utility PV Inverter
Sigenergy PV H1 / H2

Ultimate LCOE

Safe and Reliable

Optimized O&M

Sigenergy Utility BESS Solution

All-in-One Utility BESS
Sigenergy Terra series



All-in-One

Safety

Grid-forming

Utility BESS
Sigenergy Terra series



8 Key Grid-forming Capabilities

Reliable Grid Support Across All Conditions

Over-load Capability

Smart DPWM & AI Thermal mgmt.
1.5 times over-current for 10s

Inertial Support

Response time <5ms
Inertial time constant: 0-30s

Reactive Support

Response time <5ms

Grid Friendly

SCR~0.9, THDi<1%

Fault Ride through

Unbalanced fault ride through
1.5-time reactive power support

Oscillation suppression

Support active & reactive POD
0.1~3kHz oscillation suppression

Black-start

Seconds-level
GWh-Level black-start

Seamless On-off switch

≈0ms switchover in Grid open-circuit
20ms switchover in Grid short-circuit



Actively Expanding with Global Partners

Flexible + Reliable + Intelligent

4.7 MW AC output
8.4 MWh ESS capacity



China
Aquaculture farm



10 days fast installation

10 MW AC output
20 MWh ESS capacity



Bulgaria
Utility-scale



-20°C operation

6 kW AC output
8 kWh ESS capacity



Sweden
Home energy system



35°C operation

70 kW AC output
336 kWh ESS capacity



Australia
Off-grid power system



Coastal Hotel

50 kW AC output
96 kWh ESS capacity



Mauritius
Seaside resort hotel



Luxury Hotel

125 kW AC output
240 kWh ESS capacity



South Africa
Seven-star hotel



Desert "Oasis"

300 kW AC output
960 kWh ESS capacity



Namibia
Desert ranch



"Zero-Carbon" Winery

1.5 MW AC output
3 MWh ESS capacity



Spain
Historic winery



Historic Castle

40 kW AC output
32 kWh ESS capacity



United Kingdom
Retirement home



Fast-charging Hub

250 kW AC output
400 kWh ESS capacity



China
Commercial Park



Thank you.

Enjoy Green Energy



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