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MASSPOINT

No Grid?

Go MASSPOINT!

MASSPOINT is a global technology enterprise, integrating R&D, production, sales, and service. We specialize in **smart microgrid system solutions**, dedicated to building reliable, cost-effective, and low-carbon energy infrastructure for global sustainability.

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MASSPOINT Company Profile



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MASSPOINT is committed to developing one product: **the microgrid BESS**. We focus all our efforts on researching and optimizing microgrid systems, adapting them to extremely demanding and stringent small to medium-sized projects. Based on this, we continuously optimize and iterate our EMS control system using **AI algorithms**, simplifying system control and operation while improving energy efficiency and stability in practical applications.



Manufacturing
Jiangmen



Branch
Australia



Headquators
Shenzhen

15⁺
Industry
Experience

500⁺
Bid Solution

500⁺_{MWh}
Annual Capacity

300%
Annual Growth

10 0%
Onsite Support

40%
R&D Investment

MASSPOINT Core Strengths



Industry-Leading Technology

Advanced technology enables higher reliability and long-term operational stability.



Advanced Customization Capability

15 years of industry experience with over 500 successfully delivered projects.



Standardized & Productized Solutions

Streamlined system selection, commissioning, and after-sales support.



Proven Field Experience

On-site support to precisely meet project-specific requirements.



Expert Team

Engineers from Emerson, Huawei, and BYD, averaging over 8 years of industry experience.



Core Technology

Product range includes PV-storage-diesel microgrids, with multiple patents and international certifications. Features a self-developed, AI-integrated smart energy management system for optimized efficiency.



Manufacturing & Delivery

A 7,000m² production base in Jiangmen with precision equipment. Annual capacity of 500 MWh, average 35-day production cycle, compliant with international standards for fast and customized delivery.



Global Presence

Serving markets in Australia, New Zealand, Europe, Africa, and Southeast Asia. Achieving 200%-300% annual growth. We will speed up to expand Europe market by 2026 after win the Australia market.

Are you facing these challenges?

- Located at the end of the grid, experiencing poor power quality?
- High requirements for power supply reliability, with unacceptable losses from power outages?
- Want to use clean energy, but facing difficulties in grid connection and consumption?
- Experiencing big waves on electricity prices , but difficult to control electricity costs?

The Intelligent Future Energy System

Microgrid is the answer for you.

A microgrid is an intelligent micro-energy system integrating local power generation, energy storage, and load. It can operate collaboratively with the main grid and seamlessly switch to independent operation when needed.

MASSPOINT AI Intelligent and Controllable: it automatically optimizes operating strategies, achieving precise management and control of energy.

- **Resilient and Reliable:** Possesses "islanding" capability, ensuring uninterrupted power supply to critical loads during main grid failures.
- **Economical and Efficient:** Achieves peak shaving through AI-powered intelligent scheduling and energy storage, reducing electricity costs and generating additional revenue.
- **Green and Flexible:** Prioritizes the use of clean energy sources such as solar and wind power, contributing to the construction of a sustainable energy system.
- **Demand Response and Load Management:** Regulates power flow to meet demand while maintaining system stability.

Microgrid offers customized solutions for scenarios with high energy standards:

Off-grid power supply

Providing stable and economical independent energy supply for islands, mining areas, remote industrial zones, and remote community and grid ends.

Precision site power backup

Providing highly reliable backup power for hospitals, airports, military bases, data centers, manufacturing plants, etc., mitigating the risk of power outages.

Optimizing energy costs

Helping businesses and parks implement integrated energy management, reduce PUE, participate in demand response, hedge against electricity price fluctuations, and generate additional revenue.

Driving green transformation

Helping enterprises efficiently integrate renewable energy to achieve low-carbon emission reduction and sustainable development goals.

Charging infrastructure

Strengthening the grid to cope with the increasing electric vehicle load may avoid costly grid upgrades.

Enhancing grid resilience

As a beneficial supplement to the main grid, it can alleviate transmission and distribution congestion locally and improve regional power quality.



Gridless Energy Pod Application



Stone Crusher Plant



Mining & Oil Field



Concrete Mixing Plant



Construction Tower Crane



Industrial Facilities

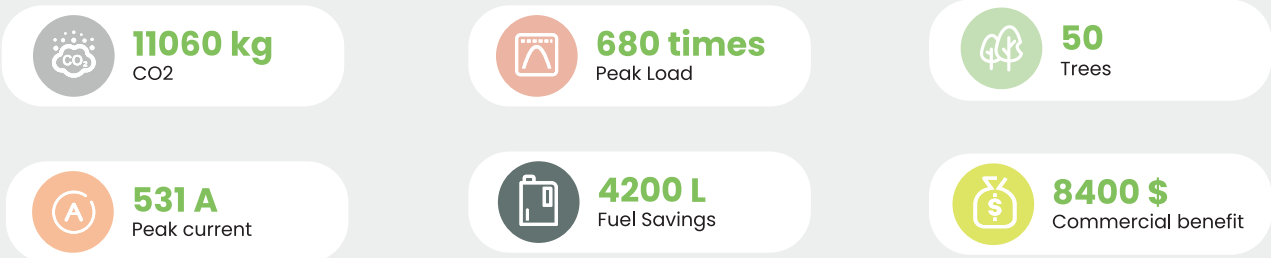


Mobile Power

In islanded mode, will be used as a standalone power solution. It is ideal for meeting the needs of zero-noise environments such as nighttime operations and remote communication applications.

In hybrid mode, the industrial hybrid BESS can be used with any diesel generator to achieve **intelligent load management**. With its zero-noise emissions, hybrid mode is ideal for a variety of demanding applications, such as any construction site. The **AI-powered intelligent management** system smoothly transitions between low and peak loads.

Weekly saving



A 500kva BESS example from MASSPOINT modeling for reference only. Data based on 8hrs/day, 5days/week.

MASSPOINT's self-developed EMS optimizes energy use through a deep integration of proactive algorithms and AI-driven technologies. It also utilizes advanced encryption and real-time analytics to ensure data security and grid stability. Furthermore, it possesses adaptive capabilities, enabling continuous operational optimization and self-upgrades, and is compatible with third-party platforms, ensuring long-term project operation.

Core Functions

Optimizes operation strategies to enhance efficiency, matching loads to high-efficiency ranges to reduce fuel costs and emissions

Responds to load changes in milliseconds, actively suppressing power impacts

Enables intelligent grid-storage synergy to improve energy utilization

Advantages of MASSPOINT EMS System



AI-Enhanced Capabilities

EMS integrates AI for differentiated intelligent optimization

AI dispatch

Generates optimal schedules based on electricity prices, weather, and load data

Millisecond response

Ensures intelligent coordination during power impact scenarios

Economic optimization

Uses AI strategies to significantly reduce operating costs

Multi-energy matching

Achieves intelligent forecasting and precise matching in complex scenarios

System Highlights

-  **24/7 panoramic monitoring** real-time component tracking with data visualization
-  **Automated reporting** quantifies commercial returns and environmental benefits

-  **High-precision data sampling** supports intelligent dispatch and maintenance
-  **Full lifecycle traceability** enables rapid issue tracing and strategy refinement

Delta One Stop Gridless Energy Station

1-10MW independent power supply system

Power everything without waiting for the grid.

Delta-400-250/482-CE
Delta-600-500/1205-CE
Delta-1600-1000/2410-CE

Delta Series is a DC-Coupled all in one green energy system. It supports **PV and Genset** input to creates an **1-10MW independent power supply system**, freeing it from dependence on the power grid. It also intergrated **isolated transformer and STS** to power everywhere no grid. It wildly applied for **off-grid sites, unstable grids, and industrial applications**.

Plug & Play — Zero Installation

No complex wiring, no on-site commissioning. Drop it, plug it, power on site.

TIME SAVER

12-in-1 All-in-One Design

Battery, PCS, EMS, fire protection, isolation transformer, STS — all integrated in one compact cabinet.

SPACE SAVER

AI EMS — Auto-Money Maker

Intelligent energy management optimizes solar self-consumption by up to 20%. Your system pays for itself.

ROI BOOSTER

Seamless On/Off-Grid Switch

support VF, PO, VSG, and free choice for PV,Grid,Genset priority.

RAPID RESPONSE

Off-Grid Champion

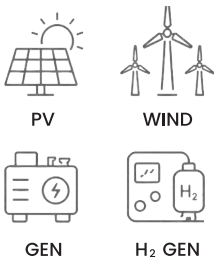
Supports 100% off-grid operation with seamless grid-to-island transition. Power anywhere.

ENERGY INDEPENDENCE

Isolated Transformer Include

Superior shock resistance, providing a continuous and stable power supply

GUARDIAN



Model	Delta-400-250/482-CE	Delta-600-500/1205-CE	Delta-1600-1000/2410-CE
AC Parameters			
Wiring Method	3Ph+N+PE		
Rated Voltage	400Vac(380~415)		
Rated Frequency	50/60(±1) Hz		
Rated Power (kW/KVA)	250/250	500/500	1000/1000
Rated AC Current	379A	759A	1519A
Max AC Current	417A	835A	1671A
Overload Capacity	≤250kVA,Continuous ≤275kVA,10min ≤300kVA,1min	≤500kVA,Continuous ≤550kVA,10min ≤600kVA,1min	≤1000kVA,Continuous ≤1100kVA,10min ≤1200kVA,1min
Power Factor	-1~1 leading or lagging		
Transformer	Included		
STS Switching Function	Available (20ms)		

Battery Parameters

Battery System Capacity	241~482kWh	482~1205kWh	1205~2410kWh
Battery Type	LiFePO ₄		
Cell capacity	3.2V/314Ah		
Cell Cycle Life	≥6000 cycles(80%DOD)		
Rack Configuration	1P240S		

PV Access Parameters

PV Charging Power	400kW	600kW	1600kW
PV Connection	AC Coupling	DC Coupling/AC Coupling	

Diesel Generator/Grid Access Parameters

Wiring Method	3Ph+N+PE		
Rated Frequency	50/60(±1)Hz		
Rated AC Current	379A	759A	1519A

System Parameters

Equipment Dimensions	2991*2438*2591mm	6058×2591×2438mm	12192*2438*2591mm
Weight	<8t	<21t	<30t
Working Temperature Range	-20°C~50°C		
Protection Level	IP54/IP55		
Relative Humidity	0~95%(non-condensing)		
Antiseptic Rank	C3 or C5		
Cooling Method	Air-cooling		
Fire Fighting	Aerosol		
Allowed Altitude	<3000m		
Communication Method	RS485,Ethernet,CAN2.0		
Certification	IEC 62619,IEC 61000,IEC 62477,IEC 63056,AS/NZS 4777.2,NRS-097,UN 38.3		

NX10 One Stop Gridless Energy Station

1-10MW independent power supply system

Power everything without waiting for the grid.

NX10-500/1446-EX
NX10-750/1446-EX
NX10-1000/1446-EX

NX10 Series is a AC-Coupled all in one green energy system. It supports **PV and Genset** input to creates an **1-10MW independent power supply system**, freeing it from dependence on the power grid. It also intergrated **isolated transformer and STS** to power everywhere no grid. It wildly applied for **off-grid sites, unstable grids, and industrial applications**.

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ROI BOOSTER

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RAPID RESPONSE

Off-Grid Champion

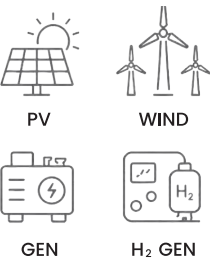
Supports 100% off-grid operation with seamless grid-to-island transition. Power anywhere.

ENERGY INDEPENDENCE

Isolated Transformer Include

Superior shock resistance, providing a continuous and stable power supply

GUARDIAN



Model	NX10-500/1446-EX	NX10-750/1446-EX	NX10-1000/1446-EX
AC Parameters			
Wiring Method	3Ph+N+PE		
Rated Voltage	400Vac (380~415)		
Rated Frequency	50/60(±1) Hz		
Rated Power (kW/KVA)	500/500	750/750	1000/1000
Rated AC Current	721A	1082A	1443A
Max AC Current	866A	1299A	1732A
Overload Capacity	≤500kVA, Continuous ≤550kVA, 10min ≤600kVA, 1min	≤750kVA, Continuous ≤825kVA, 10min ≤900kVA, 1min	≤1000kVA, Continuous ≤1100kVA, 10min ≤1200kVA, 1min
Power Factor	-1~1 leading or lagging		
Transformer	Included		
STS	Not included		

Battery parameters

Battery System Capacity	1446kWh
Battery Type	LiFePO ₄
Cell capacity	3.2V/314Ah
Cell Cycle Life	≥6000 cycles(80%DOD)
Rack Configuration	1P240S

PV Access Parameters

PV Connection	AC Coupling
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System Parameters

Equipment Dimensions	6058×2438×2591mm
Weight	<25t
Working Temperature Range	-20°C~50°C
Protection Level	IP54/IP55
Relative Humidity	0~95%(non-condensing)
Altitude	<3000m
Antiseptic Rank	C3 or C5
Cooling Method	Air-cooling
Fire Fighting	Aerosol
Communication Method	RS485, Ethernet, CAN2.0
Certification	IEC 62619, IEC 61000,IEC 62477, IEC 63056, AS/NZS 4777.2, NRS-097,UN 38.3, UN 3480, UN 3536, UL 9540A

Hexa Gridless Energy Pod

12 in 1 One- Stop temporary power system

Integrated with PCS+ESS+ BMS+Transformer+STS+DC/DC+ AC charger+ Fire protection+Wind+PV+ Genset+ Hydrogen

Hexa-125/241-EX
Hexa-250/241-EX
Hexa-500/482-EX

The Hexa series is a **plug-and-play**, **installation-free**, and quickly **relocateable** energy storage system designed based on an **all-in-one** concept. Through self-developed **AI EMS** system, it can achieve various application modes such as **self-generation and consumption**, **temporary power** and **backup power**. It is widely applicable to various microgrid scenarios, including large residential buildings, supermarkets, industrial, construction, communities, and islands, farms, mining areas, events as **PV+DG+ESS** integrated microgrids solution.

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ROI BOOSTER

Seamless On/Off-Grid Switch

support VF, PO, VSG, and free choice for PV,Grid,Genset priority.

RAPID RESPONSE

Off-Grid Champion

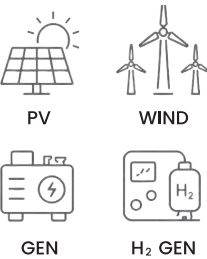
Supports 100% off-grid operation with seamless grid-to-island transition. Power anywhere.

ENERGY INDEPENDENCE

Isolated Transformer Include

Superior shock resistance, providing a continuous and stable power supply

GUARDIAN



Model	Hexa-125/241-EX	Hexa-250/241-EX	Hexa-500/482-EX
System Capacity	125kVA/241kWh	250kVA/241kWh	500kVA/482kWh
Battery Parameters			
Battery System Capacity	241kWh	241kWh	482kWh
Rated Voltage	768 Vdc		
Battery Type	314Ah / LiFePO4		
Max. Continuous Charging & Discharge Rate	1C@25°C		
Expected Cycle Life	≥6000 cycles(80%DOD)		
AC Parameters (On Grid)			
Rated Output Power	125 kVA /125 kW	250 kVA /200 kW	500 kVA /400 kW
Rated Output Current	190A	379A	757A
Rated Output Voltage	220/230; 380/400Vac		
Rated Frequency	50/60(±2.5) Hz		
Power Factor	-1~1 leading or lagging		
THDi (rated power)	< 3%		
On/Off-grid Transfer Switch	Yes		
On/Off-grid Switching Time	0ms (Active), 20ms (Passive)		
AC Parameters (Off Grid)			
Rated Output Power	125 kVA / 125 kW	250 kV / 200 kW	500 kVA / 400 kW
Rated Output Current	190A	379A	757A
Peak Output Current	379 A	454 A	909 A
Rated Output Voltage	220/230; 380/400Vac		
Rated Frequency	50/60(±2.5) Hz		
Over Load Power(≤200 ms)	250 kVA / 200 kW	375 kVA / 300 kW	750 kVA / 600 kW
Over Load Power(≤1min)	250 kVA / 200 kW	300 kVA / 200 kW	600 kVA / 400 kW
Over Load Power(≤10min)	175 kVA / 150kW	275 kVA / 200 kW	550 kVA / 400 kW
PV Parameters			
PV Input Power (Out Side)	125 kW	200 kW	400 kW
PV Connection	AC Coupling		
System Parameters			
AC Charger	60 kW		
Isolated Transformer	Included		
Equipment Dimensions (L*W*H)	2500×2591 ×2250mm	2500×2591 ×2250mm	2991 ×2591 ×2600mm
Weight	6060kg	6140kg	9300kg
Protection Level	IP54/IP55		
Working Temperature Range	-20°C~50°C		
Noise Level	<70dB @ 1m		
Fire Suppression System Type	Aerosol		
Certification	IEC 62619, IEC63056,IEC 62109,IEC 62477,IEC 61000, AS 4777,UN 38.3,UN 3480, UN 3536, UL 9540A		
Allowed Altitude	3000m		
Antiseptic Rank	C3 or C5		
Communication Interface	RS485, Ethernet, CAN2.0		
Cloud Service	Yes; MASSPOINT CLOUD		

Hexa Mini Gridless Mobile Energy Pod

12 in 1 One- Stop temporary power system

Integrated with PCS+ESS+ BMS+Transformer+STS+DC/DC+ AC charger+ Fire protection+Wind+PV+ Genset+ Hydrogen

HexaMini-45/112-EX
HexaMini-60/112-EX
HexaMini-80/144-EX

The Hexa Mini series is a **plug-and-play, installation-free**, and quickly **relocateable** energy storage system designed based on an **all-in-one** concept. Through self-developed **AI EMS** system, it can achieve various application modes such as **self-generation and consumption, temporary power** and **backup power**. It is widely applicable to various microgrid scenarios, including large residential buildings, supermarkets, industrial, construction, communities, and islands, farms, mining areas, events as **PV+DG+ESS** integrated microgrids solution.

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Off-Grid Champion

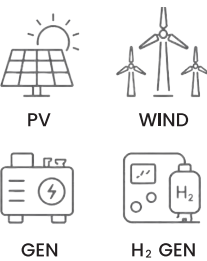
Supports 100% off-grid operation with seamless grid-to-island transition. Power anywhere.

ENERGY INDEPENDENCE

Isolated Transformer Include

Superior shock resistance, providing a continuous and stable power supply

GUARDIAN



Model	HexaMini-45/112-EX	HexaMini-60/112-EX	HexaMini-80/144-EX
System Capacity	45kVA/112kWh	60kVA/112kWh	80kVA/144kWh
Battery Parameters			
Battery System Capacity	112 kWh	112 kWh	144 kWh
Rated Voltage	358 VDC		460 VDC
Battery Type	314Ah / LiFePO4		
Max. Continuous Charging & Discharge Rate	1C@25°C		
Expected Cycle Life	≥6000 cycles(80%DOD)		
AC Parameters (On Grid)			
Rated Output Power	45 kVA / 45 kW	60 kVA / 60 kW	80 kVA / 80 kW
Rated Output Current	65 A	87 A	116 A
Rated Output Voltage	220/230; 380/400Vac		
Rated Frequency	50/60(±2.5) Hz		
Power Factor	-1~1 leading or lagging		
THDi (rated power)	< 3%		
On/Off-grid Transfer Switch	Yes		
On/Off-grid Switching Time	0ms (Active), 20ms (Passive)		
AC Parameters (Off Grid)			
Rated Output Power	45 kVA / 45 kW	60 kVA / 60 kW	80 kVA / 80 kW
Rated Output Current	65 A	87 A	116 A
Peak Output Current	130 A	174 A	232 A
Rated Output Voltage	220/230(socket); 380/400Vac		
Power Outlets	1*32A/3ph,2*15A/1ph,1*15A/1ph		
Rated Frequency	50/60(±2.5) Hz		
Over Load Power(≤200 ms)	90 kVA / 90 kW	120 kVA / 120 kW	160 kVA / 160 kW
Over Load Power(≤1min)	90 kVA / 90 kW	120 kVA / 90 kW	144 kVA / 120 kW
Over Load Power(≤10min)	67.5 kVA / 67.5 kW	90 kVA / 75 kW	120 kVA / 100 kW
PV Parameters			
PV Input Power	40 kW		
PV Connection	DC Coupling		
Max. PV Input Voltage	1000 Vdc		
MPPT Voltage Range	350~850 V		
System Parameters			
AC Charger	30 kW		
Grid Input Current	45 A		
Genset Input Power	80 kVA		
Isolated Transformer	Not Included		
Equipment Dimensions (L*W*H)	1800×1100×1618mm		
Weight	1800kg	1800kg	2000kg
Protection Level	IP55		
Working Temperature Range	-20°C~50°C		
Noise Level	<70dB @ 1m;		
Fire Suppression System Type	Aerosol		
Mounting Method	Fixed / Portable (trailer-mounted)		
Certification	IEC 62619, IEC63056,IEC 62109,IEC 62477,IEC 61000, AS 4777,UN 38.3,UN 3480, UL 9540A		
Allowed Altitude	3000m		
Antiseptic Rank	C3 or C5		
Communication Interface	RS485, Ethernet, CAN2.0		
Cloud Service	Yes; MASSPOINT CLOUD		



📍 Zimbabwe

Mining Site Offgrid Microgrid System

Background

No grid access. 1200kVA DG struggles with high motor starting currents, causing voltage dips, frequent trips, unreliable domestic power, and soaring fuel & maintenance costs.

Configuration

2000kW/3440kWh ESS / 1200kVA Diesel Genset / 2400kWp PV

Results

70% fuel savings. 0 production interruptions. Extended generator lifespan. 24/7 stable power for mining operations and domestic use.

Australian Off-Grid Camp Hybrid System

Background

Australia's off-grid camp relied on two 200kVA DGs running 24/7, operating at <30% load—wasting fuel, driving high costs, and emitting pollutants, with unstable power for lighting and telecoms.

Configuration

Hexa-250/215-EX BESS + 1×200kVA DG

Results

Reduce 70% DG Runtime; Saving 40% Fuel Costs; Extended generator lifespan; Stable, efficient off-grid power for camp operations



📍 Australia

Industrial Site Grid-Following Hybrid BESS System

Background

Grid-connected industrial site with strict voltage/frequency requirements. 1000kVA gas generator struggles to respond to large compressor's variable loads, causing voltage sags, frequency deviations, and risks to grid stability and equipment performance.

Configuration

1000kW/1290kWh BESS + 1000kVA Gas Genset

Results

Enhanced grid stability with reliable voltage/frequency regulation (avoiding penalties). Improved power quality to protect compressor equipment. Enabled grid ancillary services participation for new revenue streams.



📍 Australia



📍 Australia

Australia City Center Construction Site

Background

Noise-sensitive city center site faced diesel generator inefficiencies: fluctuating crane loads caused malfunctions, noise/exhaust disturbed residents, and high fuel consumption strained operations.

Configuration

250kVA/215kWh BESS

Results

100% Fuel Savings ;lower maintenance; Compliant with strict environmental standards; Stable, green construction power supply



📍 South Africa

Offgrid Solar-ESS-Diesel Hybrid Micro-grid

Background

Noise-sensitive districts in Johannesburg faced a costly crisis: 24/7 diesel generator noise triggered fines and complaints, voltage fluctuations damaged EV hardware, and exorbitant fuel costs drained budgets.

Configuration

250kW/549kWh ESS + 400kVA Diesel Genset + 300kWp PV

Results

100% noise compliance, 80% fuel & maintenance savings, 24/7 reliable EV charging, no equipment damage

Singapore Construction Site Mobile BESS

Background

Singapore's noise-sensitive construction sites relied on diesel generators, causing air/noise pollution, low efficiency, and high emissions, hindering CDL's 2030 net-zero goal.

Configuration

Hexa-250/215-EX BESS

Results

15% lower energy costs, 455 tonnes CO₂ abated, 221,000L diesel saved, 32x less noise pollution, and 700 manhours saved.



📍 Zimbabwe

Mission

Build resilient energy systems.
Power a sustainable world.

Values

Co-create

We view our clients as co-innovators. Together, we tackle energy challenges and set new industry standards.

Co-evolve

We pursue synchronous growth with clients and partners. We empower each other in capabilities and vision, advancing together.

Vision

Forging a future of energy abundance

Co-prosper

We are committed to building an interdependent industrial community. We foster mutual reliance and shared prosperity within a sustainable future.