Partners in Energy Storage

Changing the way we store and use energy responsibly

PREVALON

A Mitsubishi Power Americas and EES Joint Venture

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A Legacy of Innovation

To ensure a sustainable and energy secure future, we must continue to produce affordable, reliable energy – and continuously innovate to move forward. Prevalon™, a Mitsubishi Power Americas and EES joint venture, bring decades of expertise in energy solutions and services to implement innovative energy storage solutions at utility-scale to ensure a more energy-secure future.

Our mission is to design and deploy safe and innovative energy storage solutions for a more sustainable future. We bring a legacy of global energy expertise that guide our principles in energy storage solutions innovation and validation.

Prevalon delivers an end-to-end battery energy storage integration solution that is flexible to your project needs with a robust cybersecurity system development framework, intelligent control systems and complete project lifecycle support to meet the demands of your energy system today and into the future.

Co-Creating the Future of Energy Storage

In the rapidly evolving ecosystem, having the right technology solutions to meet the demands of your energy system today and into the future is critical. Whether you are looking to diversify your energy generation mix, provide ancillary services to the grid, strengthen grid resiliency, or add microgrids to power critical systems, the Prevalon™ Battery Energy Storage Platform will meet those demands.

Prevalon delivers throughout the entire lifecycle of your project and ensures performance, including design and engineering, energy management systems integration, commissioning, and long-term service programs.

The Prevalon Difference

From design and engineering, energy management systems integration, commissioning, and long-term service programs, the Prevalon™ Battery Energy Storage Platform is customizable to your project's needs with a robust cybersecurity system development framework, intelligent control systems, and complete project lifecycle support to meet the demands of your energy system today and into the future.

Cybersecurity

Maximized Availability
Minimize lost revenue with the highest level of third party validated cybersecurity certification standards with real-time monitoring and encrypted communications, including IEC/ISA 62443, NIST-800-53 & NERC CIP Compliance

Optimized Cybersecurity
Rest assured that your infrastructure, networks, and software are continuously protected from risks and vulnerabilities through secured hybrid network architecture, encrypted communications, built-in redundancy, remote monitoring, secure remote access, and robust procedures for incident handling

Validated Technology Development
All of our cybersecurity and control systems technology are IEC 62443 4-1 third party certified for Security Development Lifecycle Process

Flexible Controls

Manage Asset Lifecycle
Data-driven maintenance tracking, augmentation planning,and ANSI/ISA 18.2 compliance

Optimized System Sizing and Performance
Adaptive inverter voltage management, network recovery, and sub-second controls

Energy Management System
Compliant with MESA industry best practices and implementation designs adapted for major Regional Transmission Organizations worldwide

Integrated System

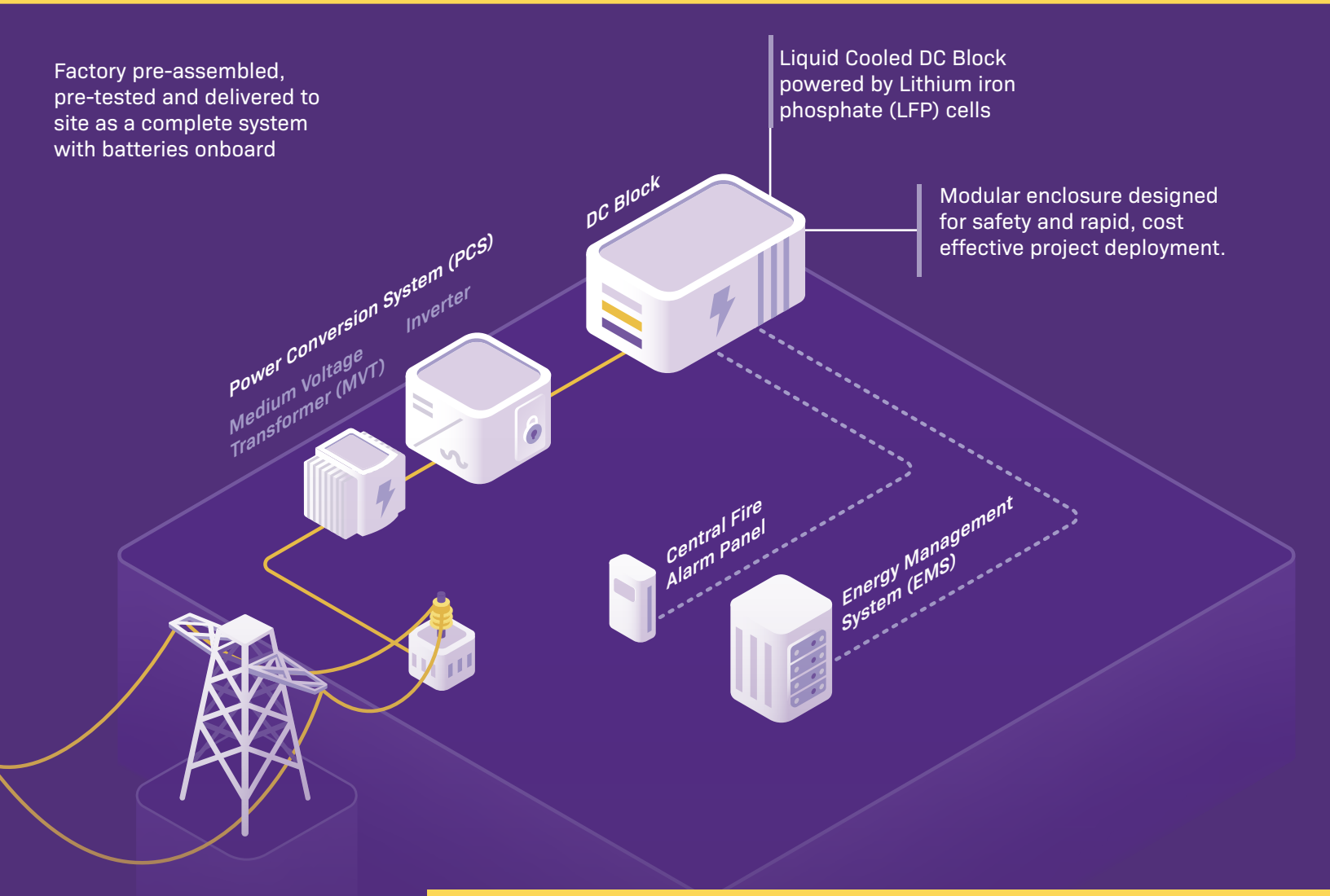
End-to-end Integrated Solution
Starting at project design and requirements through decommissioning, we offer solutions for the entire lifecycle of your project

Optimized Constructability
Our modular systems utilize pre-assembly prior to arrive at site to reduce on-site assembly, reduce implementation risks and shorten commissioning schedule

Multi-layered Safety Standards
Our lithium iron phosphate (LFP) battery chemistry has longer life and superior thermal and chemical stability to significantly lower the risk of overheating; it meets all UL 9540 and UL 9540A safety standards.

The Prevalon™ Battery Energy Storage Platform

Prevalon's Liquid Cooled DC Block is a Lithium iron phosphate (LFP) powered modular enclosure designed for safety and rapid, cost effective project deployment.



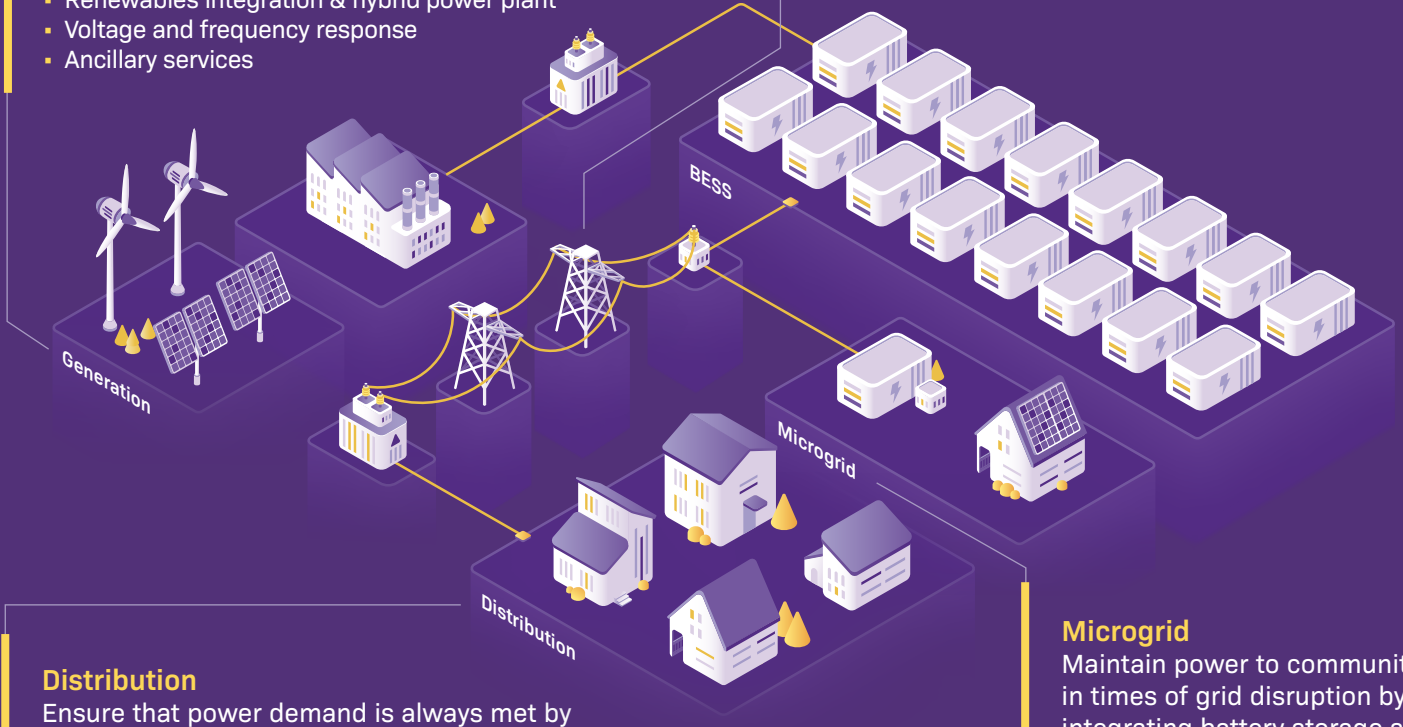
The DC Block is factory pre-assembled, pre-tested and delivered to site as a complete system with batteries onboard. This approach improves project certainty by reducing installation and commissioning time in the field. The DC Block is the core building block of our utility-scale modular battery energy storage systems, designed and configured to maximize asset value throughout their lifecycle.

Designed to meet the demands of your energy system today and into the future

Whether you are looking to add utility-scale battery energy storage systems to diversify energy generation mix, provide ancillary services to the grid, strengthen grid resiliency, or add microgrids to power critical systems, the Prevalon™ Battery Energy Storage Platform delivers throughout the entire lifecycle of your project and ensures performance.

Generation
Enable a stable energy supply to the utility grid and maximize the MWh output of a renewable source by coupling a battery energy storage system to store energy that would otherwise be curtailed
- Peaking capacity & energy shifting
- Renewables integration & hybrid power plant
- Voltage and frequency response
- Ancillary services

Transmission
Avoid costly grid upgrades by integrating battery storage for peak congestion instead of reconductoring
- Relieve transmission congestion
- Provide grid services
- Defer transmission upgrades



Distribution
Ensure that power demand is always met by discharging stored energy during peak times or in the event of an unplanned outage
- Provide emergency power during outages
- Defer distribution upgrades
- Microgrid support
- Reduce demand charges

Microgrid
Maintain power to communities in times of grid disruption by integrating battery storage systems with distributed generation sources
- Grid forming
- Black starts
- Stand alone and hybrid microgrids

Project highlights

Project Name: Boulevard
Location: San Diego County, California
Size: 10 MW / 50 MWh
Application: Microgrid
Long-Term Service Agreement: 10 years

Emergency Backup Power **for Critical Public Services**

Project Name: Pala Gomez-Creek
Location: San Diego Region, California
Size: 10 MW / 60 MWh
Application: Resource Adequacy
Long-Term Service Agreement: 10 years

Designed to **high seismic performance qualification** level in accordance with IEEE 693-2018

Project Name: Golden Triangle II
Location: Lowndes County, Mississippi
Size: 50 MW / 200 MWh
Application: Solar + Storage
Long-Term Service Agreement: 10 years

Reducing Curtailment of **excess renewable generation**

Project Name: Salvador
Location: Atacama Region, Chile
Size: 50 MW / 250 MWh
Application: Solar + Storage & Grid Firming

Supporting Chile's national decarbonization goals to **achieve 80% clean electric by 2030 and 100% by 2050**

Partners in Energy Storage

Empowering you to deploy flexible energy solutions and accelerate a more sustainable energy future

With an integrated end-to-end battery energy storage solution to meet the demands of your energy system today and into the future

Led by energy storage experts who are committed to co-creating solutions and ensuring the success of your project

Visit www.PrevalonEnergy.com to learn more

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