

Athena[®] Energy Management System

stem

Stem's Athena Energy Management System (EMS) provides end-to-end supervisory monitoring and controls for energy storage and solar assets. This comprehensive controls solution encompasses onsite controllers, an optional onsite SCADA solution, and a cloud infrastructure that delivers complete configuration, command, monitoring, control, data management, and overall performance management capabilities. Athena EMS features a versatile and scalable architecture that allows for overseeing a single site or an entire portfolio of clean energy assets.

Optimizing Battery Energy Storage System Performance through Real-Time Monitoring

The Athena EMS provides actionable data-driven insights into system health and diagnostics for effective battery energy storage system (BESS) operations and maintenance that ultimately improves asset performance management.



Athena Edge Platform

Stem's site control and onsite SCADA solution that simplifies deployment and commissioning, enables real time control of the BESS, and provides utility telemetry.



Athena Cloud Platform

Stem's remote monitoring solution that provides a market interface, enables data ingest from the edge platform, and enables technical monitoring and reporting.

Dispatch Interface

- Adopting open standards such as MESA / IEEE 1815.2
- Direct signal integration

Power Plant Controls

- Active / reactive power modes
- Fast frequency response

Market Interface

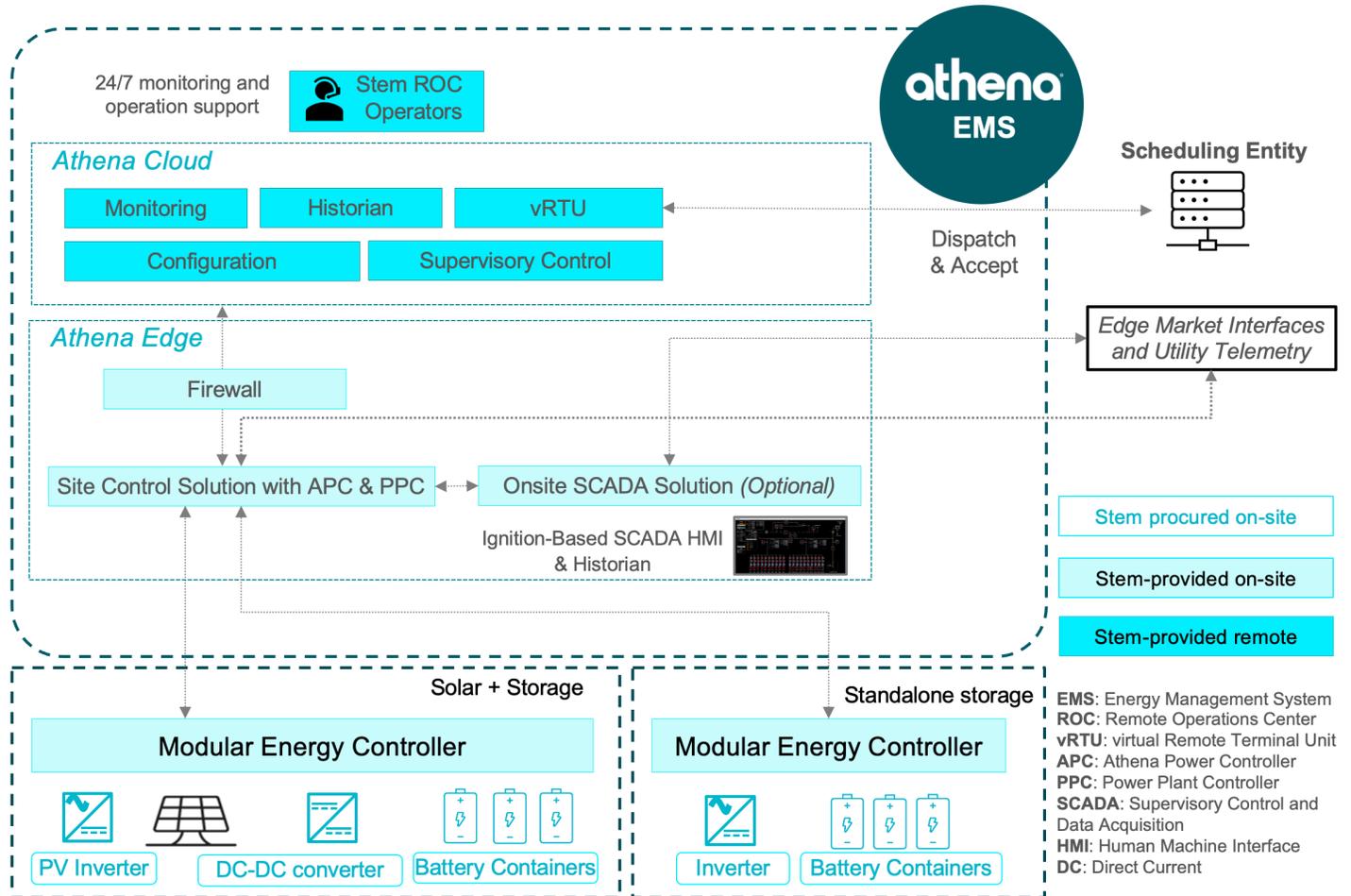
- ISO & Scheduling Entities
- Co-ops & Public Utilities

BESS Analytics

- Site visibility & optimization
- Proactive BESS warranty management

Seamless Integration

Athena EMS works seamlessly with Stem's cloud-based applications for bid optimization and asset performance management. This solution facilitates high availability of the BESS by enabling proactive evaluation of the health and operations of the BESS and effective control of the equipment to minimize degradation of the BESS. Stem's 24/7 Remote Operations Center (ROC) also ensures increased uptime and minimizes risk through careful warranty management.



About Stem, Inc.

As a global leader in AI-driven clean energy solutions and services, we are dedicated to accelerating the energy transition and transforming the grid. We offer flexible, integrated solutions to improve returns and maximize the economic, environmental, and resiliency value across energy assets. Our trusted energy optimization platform empowers our partners & customers to deploy and unlock the full potential of clean energy assets at scale. Learn more at stem.com.

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