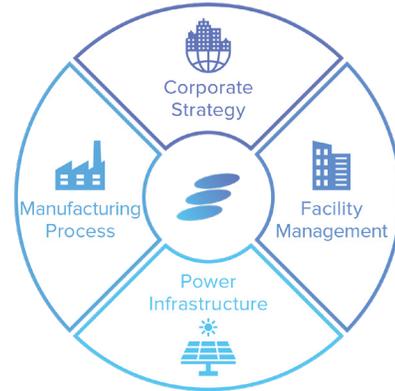


A corporate energy strategy requires constant awareness of all aspects of energy consumption and generation across the business enterprise. Tasked with improving energy performance, the Energy Manager works with the operation managers and facility managers to analyze, plan, and implement a more efficient energy profile across the enterprise. Improving energy performance depends on strategic and operational tasks, all requiring accurate data and pragmatic analytical tools to support decisions at both the plant and corporate level.

Open Systems International (OSI) offers **OSI Stratus™**, a modern industrial energy management solution for data acquisition, asset monitoring, and supervisory control. Using **OSI Stratus**, the energy managers can confidently perform power operation integration, energy optimization, microgrid management, and strategic planning using a single software solution.

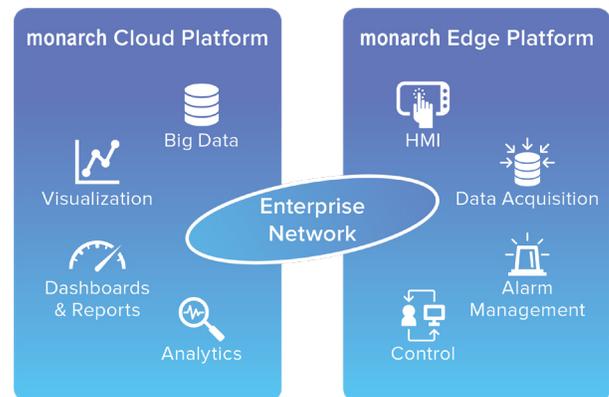


OSI Stratus is built on **monarch™**, the industry's most effective data integration platform based on our many years of experience in power SCADA. Using a modern edge-to-cloud architecture, the system collects data from all types of assets across all sites using standard protocols. The edge platforms collect data on premises and can include real-time data processing and HMI. The cloud platform collects and moves data from the edge platforms into a secure enterprise data environment hosted in the cloud. The unique, unsurpassed capability of **OSI Stratus** stems from its collection of tools available. Users can easily build their own graphical dashboards and integrate their own analytical models to analyze, predict, and make better decisions to achieve optimal energy operation.



The **OSI Stratus** suite is built on a secure and scalable platform that collects data across all plants and assets, develops analytics and dashboards, and manages security. It can integrate three modules as a suite of analytics on a single big data environment:

- **An energy optimization system (EOS)** to measure and improve energy performance
- **A power management system (PMS)** to monitor and control the industrial power infrastructure
- **A microgrid management system (MMS)** to operate microgrids



continued...

Stratus Energy Optimization System (EOS)

The ISO 50001:2018 standard and guidelines define energy performance as the achievement of energy targets that improve current energy baselines as measured by energy performance indicators (EnPI).

A data collection plan with simulation of improvement measures is required to optimize energy consumption at all industrial sites.

The **OSI Stratus Energy Optimization System** collects all energy data at a granular level, storing it in our big data environment so that visual analysis and simulation can guide energy performance decisions.



- Measures energy usage
- Improves energy performance
- Reports achievements

Stratus Power Management System (PMS)

For facilities using significant power 24/7, their energy operators require a reliable system to operate and maintain substations, breakers, capacitors, etc., and ensure the safety of everyone inside the facility.

To support industrial 4.0 growth and flexibility, energy managers can combine data from all sources and use predictive analytics for optimum energy asset management to minimize downtime and ensure business continuity.

The **OSI Stratus Power Management System** provides real-time visualization to support situational awareness for energy engineers along with monitoring and control features for power operators.



- Monitors and controls power assets
- Manages lifecycle of power assets
- Coordinates with your utility

Stratus Microgrid Management System (MMS)

When power goes out due to storms or other events, many commercial and industrial facilities rely on backup systems and microgrids to survive for multiple hours—and even days—on their own local generation.

These systems, which may include solar, battery storage, CHP, fuel cells, etc., also enable more flexible production and demand so that the energy manager can monetize this flexibility on energy markets.

The **OSI Stratus Microgrid Management System** ensures the readiness of your microgrid for emergency situations while optimizing the overall cost of power supply from the grid and microgrids during normal operations.



- Operates industrial microgrids
- Manages lifecycle of microgrid assets
- Optimizes microgrids

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Product specifications in this document are subject to change without notice.