
ABB Ability™ Asset Suite

Performance orchestration for power generation.

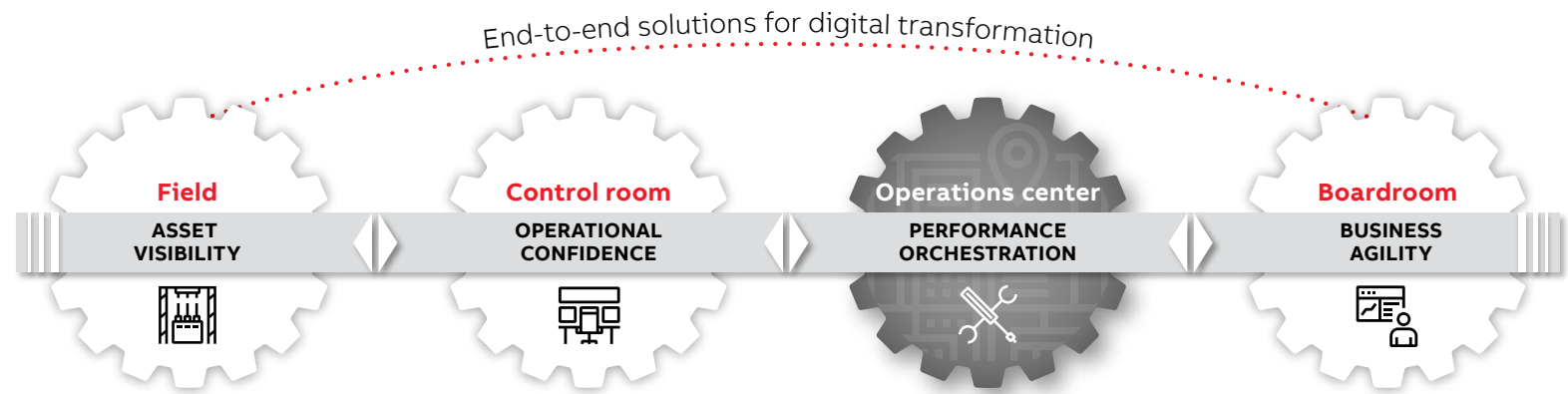


Generation asset owners and operators are facing a formidable challenge. The industry is tasked with meeting exponentially-growing global energy needs, while facing increasing economic and societal pressures to change and adapt their business, to do more with less.



Fortunately, there is more technology and data available today than ever before, providing the ability to proactively improve communication, automation and performance. From the field to the boardroom, digital transformation is inevitable, and it will change the way businesses operate. Dubbed the “fourth industrial revolution,” no area of business will see the performance enhancements more profoundly than operations. While the transition may seem futuristic, for those that begin today, the rewards are great – operations are improved, costs are reduced and safety is enhanced.

There is no better time to start the digital transformation journey than now, and no better software solution than ABB Ability™ Asset Suite to help you get there.

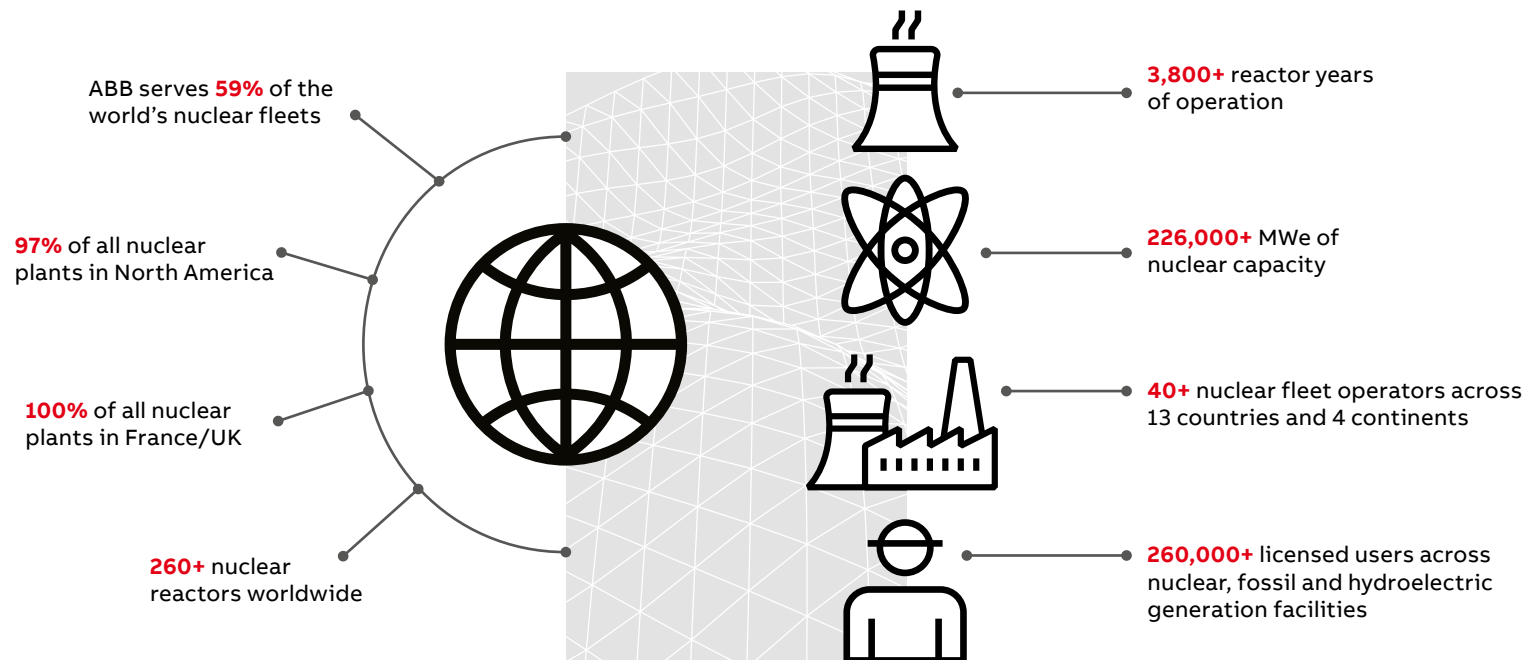


From the field to the boardroom

you can rely on ABB solutions, service and guidance to get you on the right path to digital transformation.

A trusted leader in power generation

ABB is committed to excellence in safety, rigor and efficiency for the power generation industry, with **innovation that leverages over 30 years of experience** providing solutions to the world's best nuclear operators. In fact, more than **half of all nuclear power plants** in the world utilize ABB's functionally-rich operational solutions. Our long and successful history means ABB offers solutions with the lowest risk and highest success for addressing the requirements of the Standard Nuclear Performance Model, as well as other internationally-recognized nuclear performance models.





— **Now ABB is bringing you the next level of asset performance orchestration.**
ABB Ability Asset Suite, a unified solution for power generation.

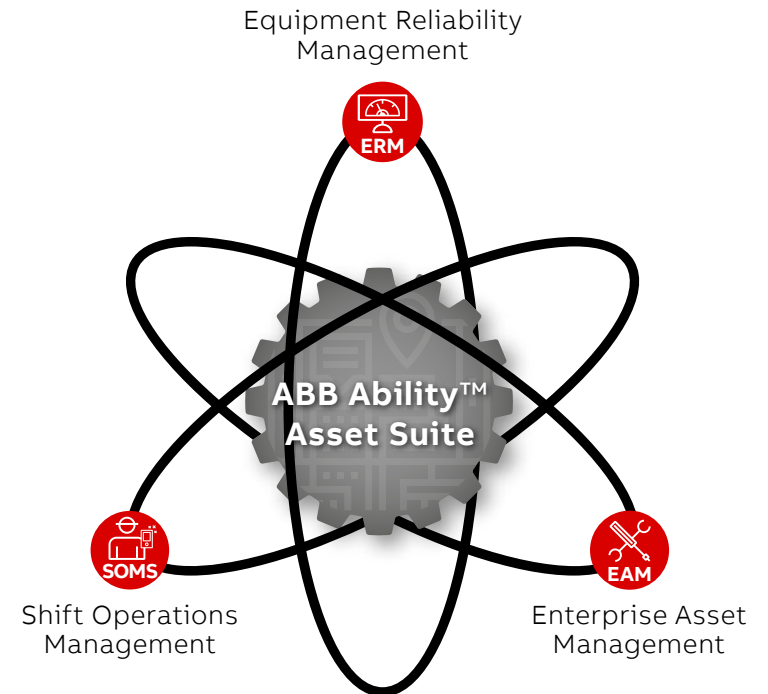
Orchestrating the new paradigm

ABB Ability Asset Suite is a comprehensive solution for the power generation industry that unifies world-class functionality for enterprise asset management (EAM), equipment reliability management (ERM) and shift operations management (SOMS).

Asset Suite facilitates the orchestration of priority, process and people across an organization, enabling the management of physical assets through the entire asset lifecycle. From strategy through execution, Asset Suite is a robust and comprehensive business and technology solution.

Features and benefits:

- Reduced downtime and improved reliability
- Increased workforce productivity
- Cross-functional visibility
- Process standardization and maturity
- Out-of-the box integration and reporting
- Low total cost of ownership

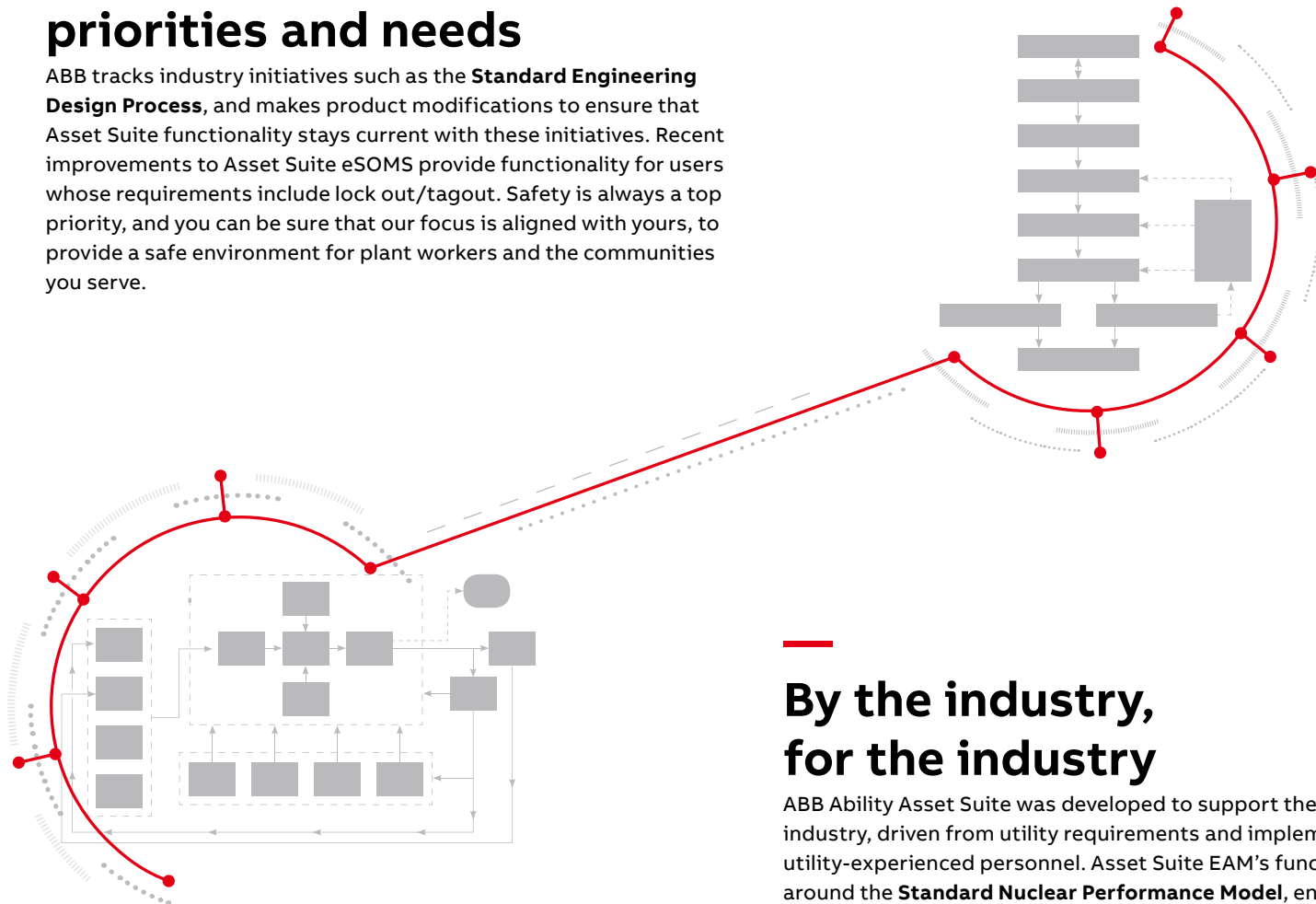


Working together to work better.

Communication and connection among Asset Suite's core capabilities drive continuous, successful operations.

Aligned with generation priorities and needs

ABB tracks industry initiatives such as the **Standard Engineering Design Process**, and makes product modifications to ensure that Asset Suite functionality stays current with these initiatives. Recent improvements to Asset Suite eSOMS provide functionality for users whose requirements include lock out/tagout. Safety is always a top priority, and you can be sure that our focus is aligned with yours, to provide a safe environment for plant workers and the communities you serve.



By the industry, for the industry

ABB Ability Asset Suite was developed to support the generation industry, driven from utility requirements and implemented with utility-experienced personnel. Asset Suite EAM's functionality is built around the **Standard Nuclear Performance Model**, ensuring that your processes and procedures are aligned with rigorous global best practices for both nuclear and conventional generating stations. These include best practices in work management, supply chain, personnel qualification and corrective action programs.

ABB Ability Asset Suite ER

Performance optimized.

Asset Suite ER (Equipment Reliability) helps you leverage the increasing availability of real-time sensing and monitoring data for better operational intelligence. Asset Suite ER was specifically designed to complement EAM systems in support of AP-913 equipment reliability engineering processes. In combination with maintenance and enterprise data, Asset Suite ER can proactively predict, prioritize and prescribe actions to mitigate potential risks, increasing uptime, safety and total return on capital investments.





ABB Ability Asset Suite ER benefits:

- Improve plant and equipment reliability by integrating the right data at the right time
- Standardize performance engineering processes along industry best practices, across the enterprise
- Improve organizational communication and sharing
- Capture engineering knowledge for seamless personnel transitions
- Facilitate efficient process changes that satisfy both IT and business process requirements

ABB Ability Asset Suite EAM

Process optimized.



Asset Suite EAM was specifically designed to address the unique challenges faced by power generation operations, driven by utility requirements and implemented utility-experienced teams. It is the most complete state-of-the-art, mobile-enabled EAM solution available. Asset Suite EAM enables organizations to standardize and streamline work processes to maximize worker productivity. It also improves your return on assets through increased availability, reduced planned outage time and improved reliability.

ABB Ability Asset Suite EAM benefits:

- Excellence in both organizational and human performance through standardized business processes, best practices, benchmarking and learning
- Capture labor and material costs and asset performance data to evaluate performance trends and root causes of past failures
- Ensure compliance with regulatory guidelines
- Ease of deployment on premise through virtualization architecture technology
- Cloud deployment option takes infrastructure management off your hands and lets you focus on your core business



ABB Ability Asset Suite eSOMS

Work optimized.

Asset Suite eSOMS (Electronic Shift Operations Management System) is relied on by over 430 sites worldwide to manage mission-critical plant operations. It is a proven enterprise solution that ensures safe, efficient, and reliable operation and maintenance of generation facilities and assets. Asset Suite eSOMS is designed to provide a consistent, organized and integrated approach to activities that affect equipment configuration and system status.

Designed by experts in plant operation, maintenance and work control, Asset Suite eSOMS has a modular architecture that minimizes initial investment, yet provides the flexibility to scale the solution as your business and operations grow.



ABB Ability Asset Suite eSOMS benefits:

- Significant and measurable gains in efficiency, productivity and safety in operations
- Reduced time and cost for operational and maintenance activities
- Enterprise-wide standardized procedures and framework that applies industry best practices across multiple plants
- Adherence to regulatory standards and streamlined compliance reporting





Now is the time.

Successfully navigate digital transformation.

ABB is the right partner to support the digital transformation of your business from the field to the boardroom, and everywhere in between. Our specialized industry expertise can help you every step of the way with guidance and leading technology solutions to simplify your journey. With ABB Ability Asset Suite, you can reap the rewards of digitalization sooner than you ever thought possible.

Click an icon

to learn more about the individual
ABB Ability Asset Suite solutions:



—
abb.com/enterprise-software
info.pges@abb.com