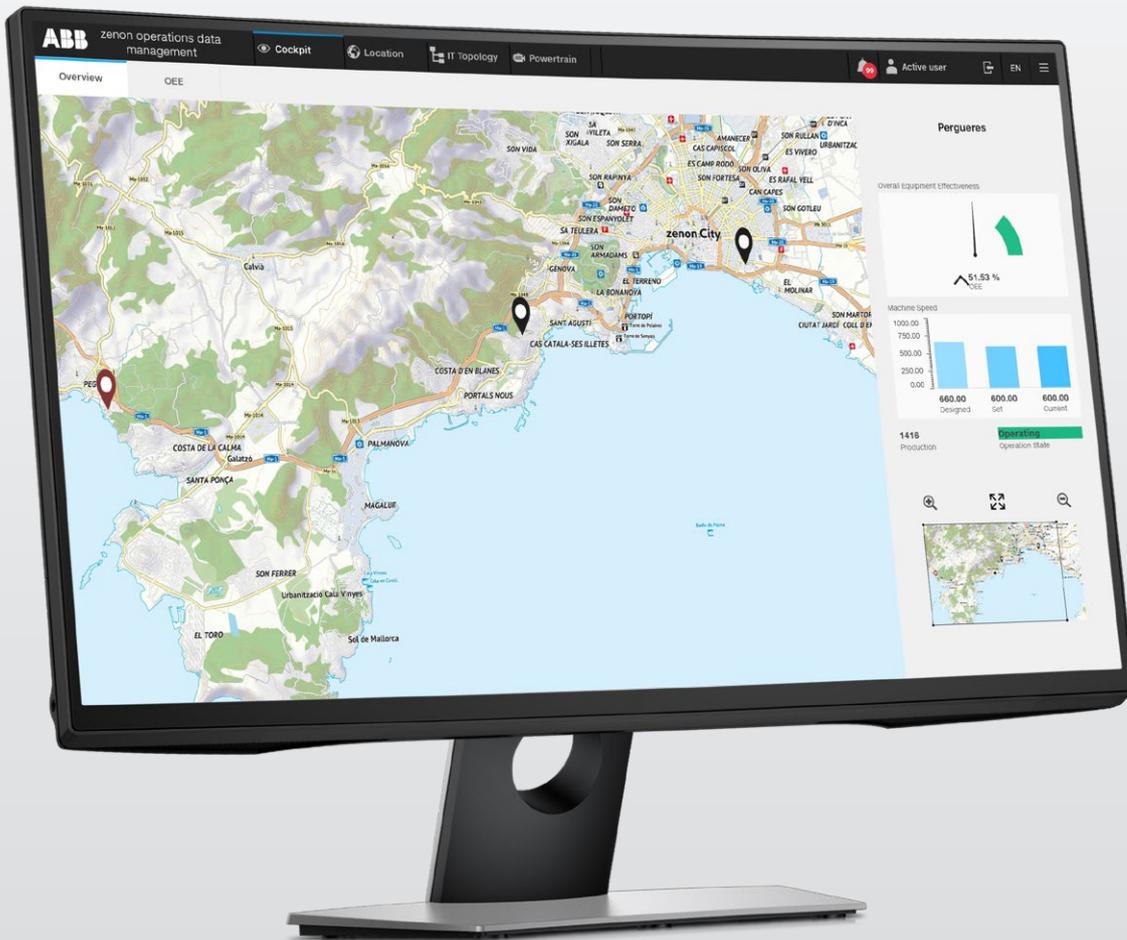


ABB DRIVES

ABB Ability™ Operations Data Management zenon Information – Integrity – Insight



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Information – Integrity – Insight

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ABB Ability™ Operations Data Management zenon

Transforming data into information for better decisions

ABB Ability™ Operations Data Management zenon is a secure operations data management platform that easily connects machines, infrastructure, and production assets. It enables them to share information and develop insights for optimized production.

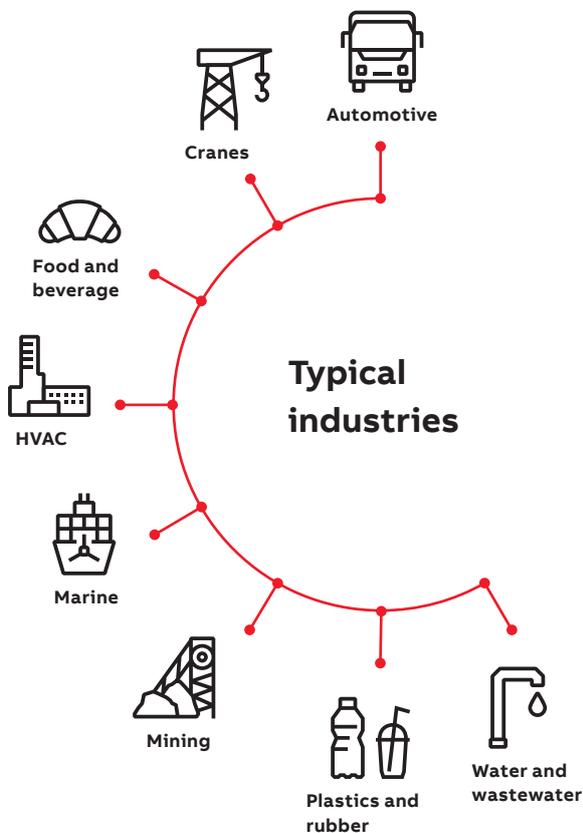
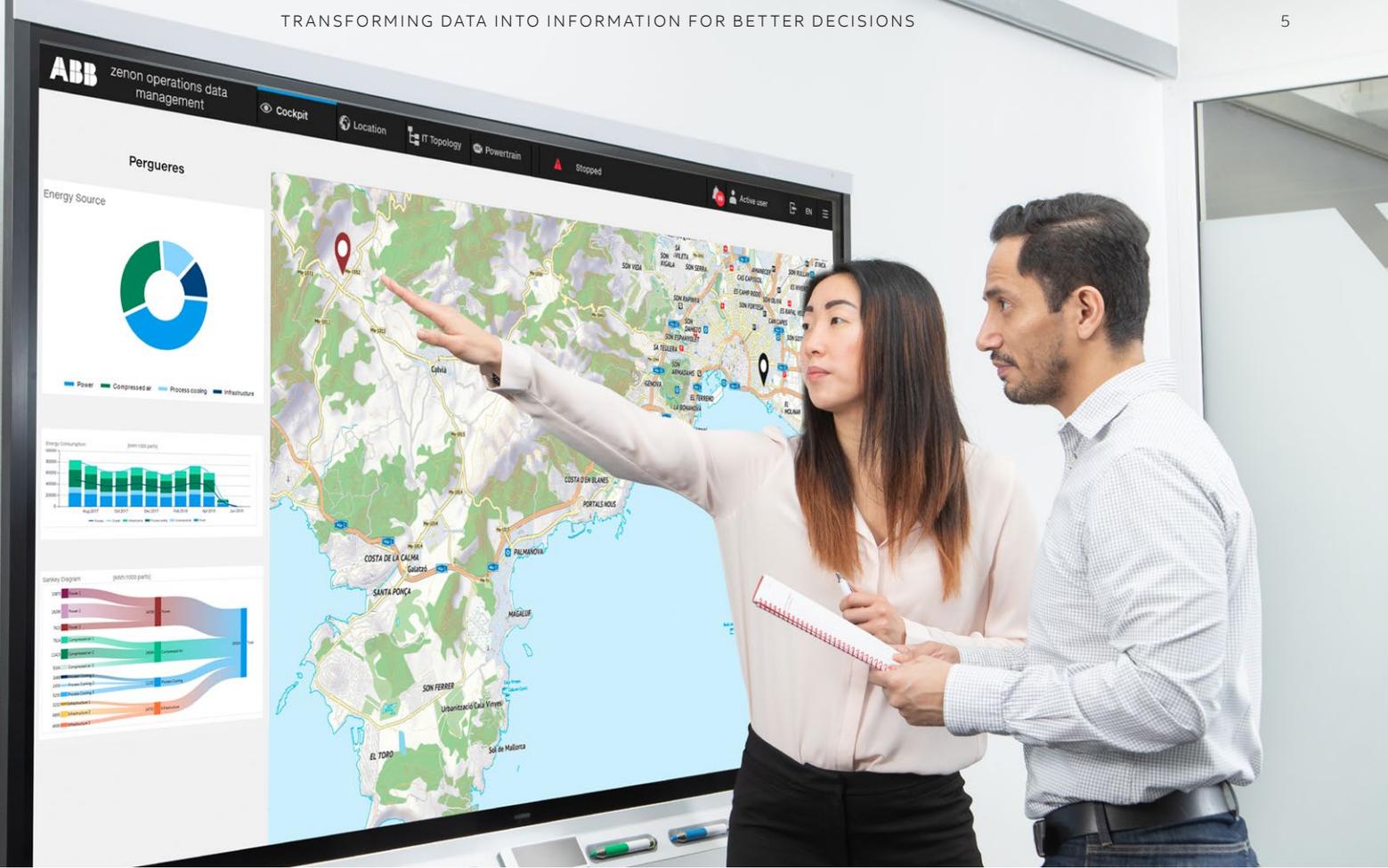


ABB Ability™ Operations Data Management zenon integrates your technology by connecting drives, motors, programmable logic controllers, and electrical devices to complete automation and electrification. It enables supervision, control, data acquisition, scheduling and performance reporting for your machines and factories.

ABB zenon hosts ABB Ability™ solutions on premises and connects to remote solutions, for example, Remote and On-site Condition Monitoring. The platform's security is designed to be smartly integrated into all processes and systems in critical infrastructure.

Turning data into information, zenon provides insight into production processes via its more than 300 communication protocols and drivers, enterprise resource planning capability, and cloud interfaces. This enables better quality assurance, energy management and online reporting.

Its extensive lifecycle, backward compatibility and ability to engineer mixed version environments, ensures low total cost of ownership and cost-effective extensions for machines and factories.



Get insights – integrated analysis

- Collects, analyzes, visualizes and manages data
- Provides valuable process insights for better decisions
- Minimizes downtime
- Optimizes energy efficiency

Efficient and secured

- Fast, dependable, agile automation
- Maximum data security and powerful reporting
- Easy and seamless integration
- Global service and support

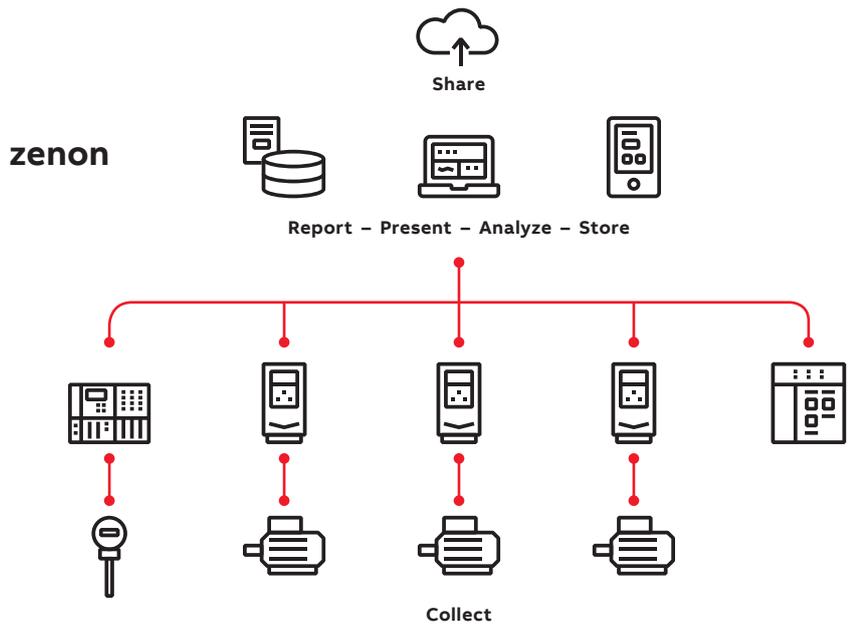
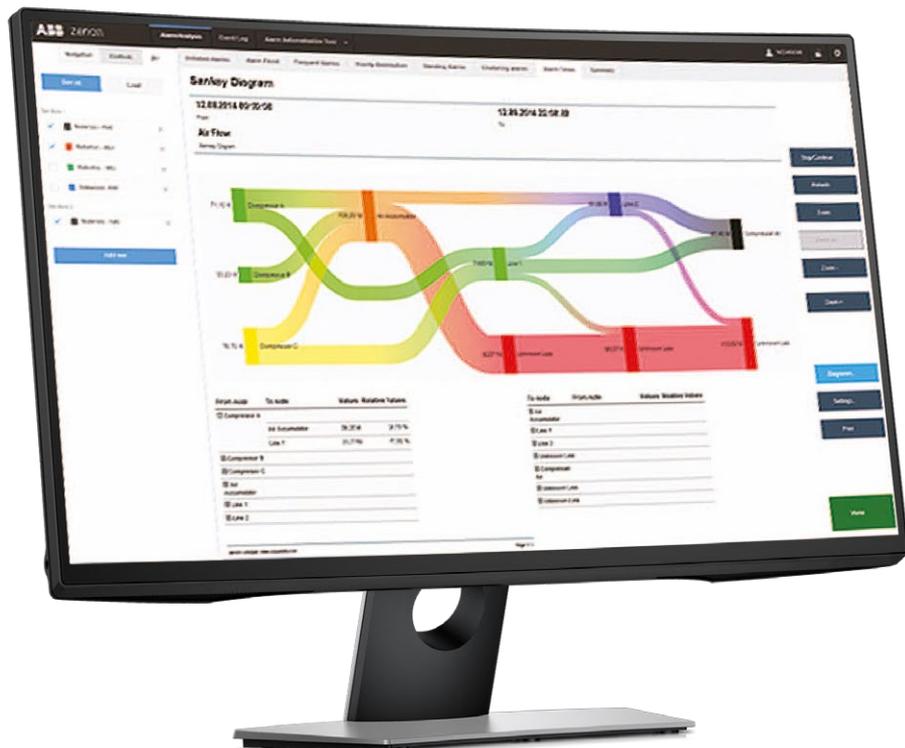
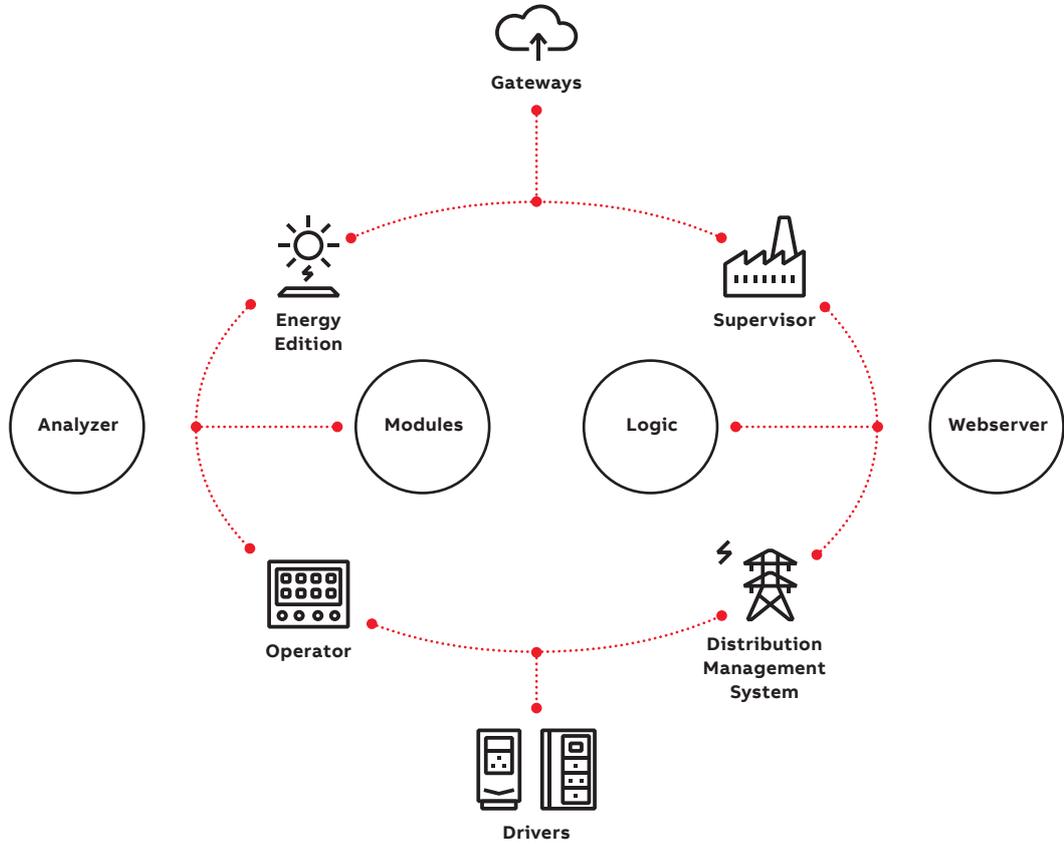


ABB Ability™ Operations Data Management zenon integrates your technology by connecting drives, motors, PLCs, electrical devices, and robots to provide complete automation and electrification.



Products Overview





zenon Supervisor

zenon Supervisor turns production data into real-time information that gives insight and control over production assets for faster and better business decisions. zenon Supervisor helps detect unforeseen potential for optimizing energy and resource consumption. It offers excellent reporting functions that give full transparency of the production. You can integrate and harmonize your operator machine interfaces to increase productivity and reliability and to reduce interaction errors. You can quickly find your way around any project, as well as easily access projects and equipment remotely.



zenon Operator

zenon Operator helps to effectively increase productivity. New and existing machines can be securely integrated into your existing systems thanks to zenon's outstanding connectivity. As innovative HMI software, zenon Operator offers complete Multitouch support for simple and reliable handling. With zenon Operator it is possible to easily and securely operate and maintain equipment remotely. Online reload technology allows for changes to the project without having to stop plant operation.



zenon Energy Edition

International system integrators use zenon Energy Edition as a reliable and open platform with special features for the energy industry that save valuable project configuration time. For large and small power companies, zenon Energy Edition delivers outstanding automation control, performance, stability and scalability. It is the IoT software solution for power plant and substation automation, grid control technology and wind park management.



zenon Distribution Management System

The new zenon Distribution Management System offers a smart solution for all tasks in monitoring and controlling energy grids. From configuring a project, through visualization, to reporting and legally-compliant archiving, zenon offers a wide range of applications that make operation secure, stable and efficient.



zenon Drivers

zenon Drivers enables the easy integration of new machines. zenon delivers over 300 communication protocols, from all the important for industrial-, building- and substation automation standards to rare proprietary drivers. You can implement zenon into any existing equipment and deploy new machines quickly and seamlessly.



zenon Gateways

zenon Process Gateway helps to securely connect to super ordinate systems like the Internet of Things by incorporating itself into Runtime as an add-on and making the desired connection.



zenon Editor

zenon Editor is the control center for engineering productivity. The Editor can be tailored to specific tasks and needs.



zenon Logic

zenon Logic is an integrated IEC61131-3 soft PLC that communicates through a huge variety of protocols with industrial, electrical and building infrastructure. zenon Logic utilizes the same real-time database as zenon Supervisor and zenon Operator and can as such be used as a calculation engine for automation engineers.



zenon Webserver

zenon Webserver brings projects online without adaptations. This includes making all screens, users, password administration, information available online. The web client has the same functionality as that provided by zenon Runtime. For example, if a project changes it is synchronized online, updating all participants worldwide at all times. zenon Webserver comes in two versions: zenon Webserver with monitoring functionality and zenon Webserver Pro which includes control functionality.



zenon Analyzer

zenon Analyzer provides complete data transparency across production and makes this accessible with concise zenon Dynamic Production Reports. Dynamic Production reporting enables you to make immediate decisions on how to enhance production efficiency and output. Efficiency reports calculate KPIs over a selected period of time and production equipment.



zenon Modules

- **The Trend:** Represents online and historical values of process variables and derived process variables in form of curves. Scrolling in the Trend provides a ruler and zoom function together with a trend analysis.
- **Historian:** saves process data and exports archived data, making it available for processing and evaluation – even outside of zenon.
- **Reporting:** generates insight out of production data by providing documentation, evaluation and presentation of process data on the basis of online and archive data from zenon.
- **Batch:** automates batch-orientated manufacturing processes, creating an environment which offers complete equipment and process control with progressive and direct interfaces.
- **Message Control:** Automatically sends and acknowledges messages. Sending is triggered via a function which can be linked to an event.
- **Everywhere:** offers visualization of real-time data of a zenon project configuration on smartphones, tablets and desktop computers.
- **Industrial Maintenance Manager:** allows service intervals to be comfortably planned, administered and logged.
- **SAP Interface:** Connects the SAP ERP level to the process level of zenon, using a two-way interface. This gives companies important basic data for just-in-time production but also for long-term planning.
- **Production & Facility Scheduler:** allows execution actions (e.g. changing a variable's set value) for a period of time or in a time grid.
- **Load Management:** Successful and efficient management of power generation and energy import. A specialised energy management system enables the largest possible amount of energy to be procured from the supplier at the lowest possible price.
- **Project Simulation:** enables simulation for test purposes and allows switching between simulation mode and hardware mode.
- **Energy Data Management System:** keeps an overview of energy consumption and its costs by collecting energy data, reducing consumption of facilities, increasing equipment efficiency, providing figures for energy control, evaluating deviations and monitoring equipment.



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For more information, please contact
your local ABB representative or visit

abb.com/zenon

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