

AXOOM IoT

The Industry 4.0 Solution for Machine Manufacturers

AXOOM



Design the future of mechanical engineering with AXOOM

OBJECTIVE: Being a digital leader, offering smart services, delivering innovative software applications, connecting machines securely over the Internet – which manufacturer doesn't strive to reach such goals? AXOOM is the right partner to achieve exactly these milestones together.

PROBLEM: If the flow of information from machine to user stops after the machine is put into operation the first time, unresolved questions about the machine's current status arise. Maintenance or software updates are often performed too late. In such a condition, the machine is neither capable of optimal production nor can the manufacturer provide efficient support. Due to a lack of transparency, important input for the further development of the machines and plants goes missing.

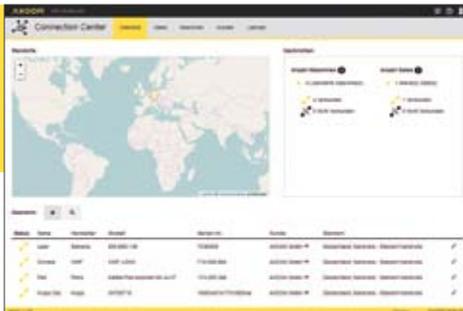
REQUIREMENT: In order to ensure the continuous performance of the delivered machines and to improve their own service, machine manufacturers need an intelligently networked solution to control the plants in the field.

AXOOM: An open platform for the industry

SOLUTION: The AXOOM platform connects manufacturers, machines, components, sensors and software and enables a continuous data transfer between systems and interfaces, independent of manufacturer. The cloud-based IoT platform hosts and aggregates the data and provides apps for the optimal use of the machines. This makes it easy to network, control and analyze the complete machinery over the Internet. For control and analysis functions, apps that are provided by AXOOM, as well as by key users such as the mechanical engineering company TRUMPF and, in the future, by other platform participants, are used.

Leveraging potential and developing new business models with AXOOM

- > **Downtime is reduced** thanks to remote predictions and problem avoidance.
- > **The latest updates** can be uploaded without delay and settings can be configured remotely going forward.
- > **Individually tailored customer service** is no longer time-intensive and expensive.
- > **Machine data supplied in real-time** helps to continually improve products.
- > **New and further developments of the plants** are carried out by using up-to-date field data on a new level.
- > **New digital services and business models** can even be developed based on data and with AXOOM's support. Afterwards they can be quickly launched onto the market.



AXOOM Connection Center

Instrument for worldwide machine management

- > Rapid and simple connection of machines to the platform
- > Clear overview of sites and machines worldwide
- > Straightforward machine management and configuration of diverse machinery
- > Detailed views with relevant machine information and specifications

AXOOM Condition Monitoring

Application for displaying live machine data and errors

- > Live monitoring of machine statuses
- > Real-time warning system via various communication channels
- > Signal function in the event of discrepancies in machine operation
- > Individual dashboard design



AXOOM Performance Dashboard

System for the visualization of machine performance during operation

- > Overview of the production capacity and the utilization of individual machines
- > Visualization of current and historical machine data
- > Information about machine performance across all production sites
- > Very user-friendly operation thanks to intuitive interfaces



Other integrated data analysis and evaluation applications from third-parties are available on the IoT platform. Become part of the AXOOM ecosystem, enjoy the benefits of the open platform, and turn Industry 4.0 from a buzzword into a fact!

AXOOM GmbH is based in Karlsruhe, Germany and employs about 100 people. These people are passionate designers of the Industrial Internet of Things. They have developed a cloud platform that hosts data from machines and provides apps for the ideal use of these machines. The platform allows the key stakeholders to connect in a meaningful manner: machine manufacturers delivering products with secure cloud connectivity; manufacturing companies that benefit from networking their machines and processes; app partners providing efficiency applications and distributors implementing Industry 4.0 with their customers.

Our References



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