

MODERN FLEET MANAGEMENT IN FACILITY CLEANING

DEVICE INSIGHT'S IOT PLATFORM IN USE AT KÄRCHER

The biggest challenge facing modern facility cleaning is maintaining an overview. The more complex the site on which the machines are put into action (e.g. airports or office blocks), the more difficult their maintenance or positioning becomes. Together with Device Insight and other partners, Kärcher has developed a solution to this problem – fleet management solution “Kärcher Fleet”.

STARTING POINT

Facility cleaning companies are challenged with the task of managing their fleets of machines and employee teams efficiently. It is therefore essential to have the machines' location transparent at all times.

Information regarding maintenance, workload or productivity is of great importance to fleet managers in order to be able to make quick decisions and act effectively.

TARGETS

Kärcher's fleet solution is able to provide cleaning companies the opportunity to reach valid investment decisions, save on costs, reduce effort and optimize cleaning processes.

Central questions that are difficult to answer remotely, leading to huge maintenance requirements, include:

- Is the cleaning machine still operational?
- Where is it right now?
- Is the battery charged?
- Is the machine productive?

KÄRCHER

COMPANY

Alfred Kärcher GmbH & Co. KG

INDUSTRY

Cleaning Technology

EMPLOYEES

11,333 worldwide (2015)

IOT PLATFORM

CENTERSIGHT® by Device Insight

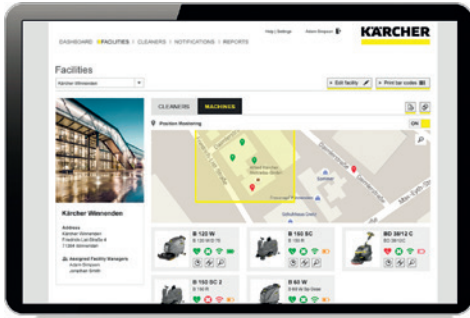
IOT FUNCTIONS

- Device Management
- Data Transfer
- Data Storage
- Data Processing
- Monitoring
- Machine Positioning
- Alerting

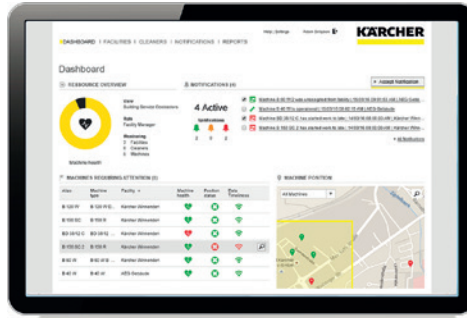
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We chose CENTERSIGHT® as IoT Platform. It is based on the latest technology, includes plenty of ready-to-use functions, is secure, highly scalable and can be adapted to meet customer needs. Customers can be sure that they will receive all relevant information regarding their fleet in good time subject to their user profile. The main argument for all user groups is however the saving of time and cost. Dr. Friedrich Völker, Manager Digital Products at Kärcher

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FLEET MANAGEMENT SOLUTION KÄRCHER FLEET


Machine localization



Transparency on machine health

Images: Alfred Kärcher GmbH & Co.KG

SOLUTION

Device Insight delivers the basis for data analysis: With the fleet management solution “Kärcher Fleet”, the user can log on via any web browser and is able to see the complete status and health situation of its fleet of machines directly in the portal.

Device Insight, IoT Platform specialist, here provides the middleware CENTERSIGHT®, allowing machine communication and data collection. It can be used to read data from telematics hardware, save and process data as well as for management of Connected Devices. CENTERSIGHT® therefore enables data retrieval and positioning for individual machines.

With Kärcher Fleet, fleet managers are in a position to access machine operating data quickly and effectively. Valuable information on maintenance forecasts and machine workload are possible thanks to subsequent data analysis.

ADVANTAGES and BENEFITS

Not only cleaning companies profit from the advantages and benefits of Kärcher Fleet and the IoT Platform CENTERSIGHT®, but also service technicians in their everyday professional life. Kärcher’s fleet solution brings transparency to day-to-day operations, facilitates business and cleaning processes and reduces customer service effort in cases of malfunction.

ADVANTAGES AT A GLANCE

- Transparency on machine health
- Alerting on malfunction
- Machine localization
- Efficient workload
- Shorter downtime
- Reduced maintenance efforts
- Optimized parts management

More information on
www.device-insight.com

ABOUT DEVICE INSIGHT

Founded in 2003, Device Insight GmbH is a leading provider of Internet of Things Platforms. Its flagship is the IoT Platform CENTERSIGHT®, a platform that supports the global networking of machines, vehicles, facilities and devices as well as providing data acquisition, reporting, remote services and alerting. Device Insight works in more than 15 countries worldwide with large enterprises and mid-size customers from various sectors, including machinery and plant engineering, HVAC, commercial vehicles, vending, transport, energy as well as the Connected Home sector.

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EXPERTON
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