

Increase production efficiency with digital Shop Floor Management

# PROFIT OPTIMIZATION WORTH MILLIONS WITH “dSFM”

In morning shop floor meetings, problems are discussed and measures to solve them are defined. In most production companies, shop floor management is already an established tool.

The use of our digital shop floor management (dSFM) solutions opens up new opportunities to further optimize existing processes in the age of Industry 4.0. The key factor here is that data from different sources can be linked and historical shop floor management data is also available at all times. The benefits of “dSFM” for business are considerable: Experience of manufacturing companies with sales of EUR 1 billion: when our digital shop floor management solution is used globally, savings in the millions are possible!

## All shop floor processes at a glance

With the help of digital shop floor management, all relevant information from production, employees, shift events, measures, and much more is continuously recorded, historicized, and made available globally in real time. This makes correlations visible and allows solutions to be derived quickly and effectively.

With our „dSFM“ solution, you can achieve end-to-end digitalization of your shop floor management for demonstrably more effective collaboration and more efficient processes in your company. The solution is the linchpin for the entire shop floor operation: All relevant information is either enriched by employees or collected and processed in real time through automated interfaces to other IT systems.

The cross-plant and cross-company exchange of information is always based on current and consistent data. This provides a sound and comprehensible basis for making decisions.



## Everything in and out of the cloud

By running the solution as a cloud-based Software as a Service, production companies can focus entirely on the maintenance of their production lines.

Using a cloud-based SaaS solution, creates an overarching database that can be accessed at any time via various end devices. This not only facilitates analytics, but also communication and decision-making.

### The benefits of a SaaS solution at a glance:

- Lower configuration and infrastructure costs
- Access to data from anywhere and at any time
- Scalability of the solution according to individual needs
- Less error-proneness through automatic updates across all user levels
- Improved decision-making through a uniform database
- Higher efficiency by eliminating manual data consolidation

## The technology behind “dSFM”

Our solution for digital shop floor management runs on EdgeOne – an integrated platform based on a micro-service architecture. EdgeOne is delivered in a scalable, customizable structure and is cloud agnostic – based on Docker Swarm and, in the future, Kubernetes.

Thanks to its microservice-based architecture and continuous deployment, our solution enables extremely fail-safe operation while ensuring that applications are always up-to-date.

Thanks to our “Inspire” design system, which we developed specially for EdgeOne, “dSFM” is also visually the ideal solution for shop floor management. The user interface is based on HTML5 and can be switched between day and night modes. The responsive design also enables optimized platform access via different end devices.



## New level of efficiency thanks to extension with machine and process data

Traditionally, the morning round deals with data and information relating to the previous shift - manually gathered from various systems, possibly even in paper form. However, for a more comprehensive view of the production processes or in special situations, a more detailed analysis is needed than the data from the morning round would enable.









In the worst case, the morning round would then be based on incorrect data, and aggregation of the data as well as

targeted filtering would only be possible with enormous effort and at the risk of a high error rate.

Integrating machine and process data from controls on the shopfloor in a central system, quickly and easily creates a data image of the overall situation thanks to SaaS. The transparency generated in this way provides a solid foundation for subsequent decisions - and the efficiency of the entire shopfloor management can be increased beyond the morning round.

## **“dSFM”:** YOUR SOLUTION FOR MAXIMUM EFFICIENCY IN SHOP FLOOR MANAGEMENT

### THE ADVANTAGES OF “dSFM” AT A GLANCE

-  Information available globally and in real time
-  Automated data processing thanks to integration with existing IT systems
-  Aggregates key data and actions at all levels
-  Continuous deployment
-  Event based communication & event sourcing
-  Bottom-up and top-down data analysis and cascades
-  Multi-site visualizations of process and business data
-  Comprehensive problem-solving process

Get in touch! →

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