Press release

Dürr adding a business intelligence application for control technology to its DXQ digital family

Keep production on the right track with DXQbusiness.intelligence from Dürr

Bietigheim-Bissingen, 25 June 2020 – The best way of efficiently controlling production processes in the automotive industry is through the use of relevant, up-to-date, and transparent key figures. The new business intelligence application for control technology from Dürr makes this possible. DXQbusiness.intelligence saves information optimized for reading in a separate data warehouse, visualizes it using clear dashboards, and allows the user to create custom reports. This means that manufacturers always have a close eye on the availability, performance, and quality of their plants.

Solutions based on business intelligence (BI) functions provide a fast overview of production, and in this way support decision-making in plants. They do this by collecting important information, preparing it, and displaying it in a clear format. What makes DXQbusiness.intelligence special? The historical production data is collated from different sources, transformed, and stored optimized for reading in the data warehouse so that it can be easily accessed later for analyses and reports. The separation of the data warehouse from the customer’s operational system has the big advantage that accessing the data warehouse does not cause any delays in production, unlike conventional servers which do not store data optimized for reading.

All key data on the screen

The data warehouse provides structures and tables for long-term orderly data storage across division boundaries. This is because DXQbusiness.intelligence is part of DXQcontrol, Dürr’s control technology for controlling an entire plant’s production. The new application from Dürr’s Manufacturing Execution System (MES) displays the production data in a clear, easily understood dashboard. It works in a similar way to the instrument panel in the cockpit of an airplane, which shows the pilot all key data on one screen. Transferred to car production in a plant, the dashboards show the managers mission-critical data to keep production on the right track.

Sound basis for data-driven decisions

Every decision-making process requires different data as a basis. To get the right overview, the user can navigate purposefully with DXQbusiness.intelligence: across the entire site, limited to specific production areas such as cathodic electrocoating or focused on individual lines like the cathodic electrocoating dryer. For production, the overall equipment effectiveness (OEE) as well as quality and quantity data is displayed, and for individual lines within the production area additionally the temporal progressions of the above-mentioned key figures.

Adaptable to individual needs

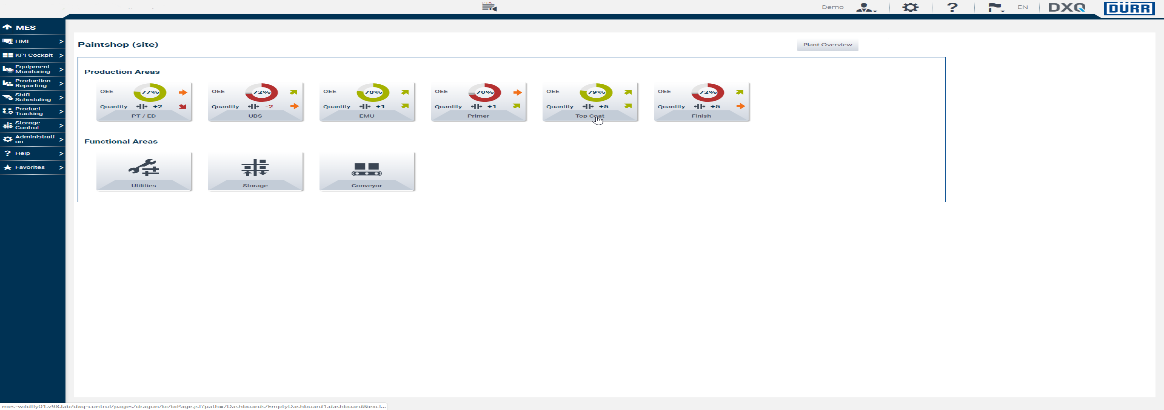
Users can also create reports and arrange them individually according to their priorities and company standards. This gives them a solid starting ground for decision-making based on the specific production. Situations that require particular attention can be quickly monitored and tracked using custom reports.

Pictures

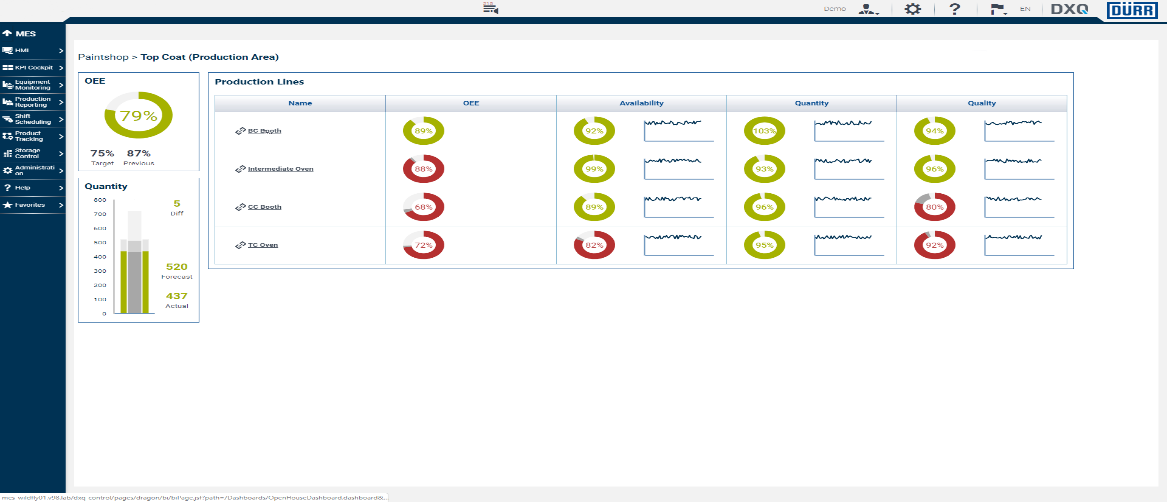
The following image material can be downloaded [here](https://www.durr.com/fileadmin/durr.com/06_Media/01_News/2020/Files/duerr-dxq-businessintelligence-en.zip) on our website.



Picture 1: The preconfigured Production Line Dashboard shows the OEE and the associated key figures as well as further information belonging to a production line.



Picture 2: The Production Site Dashboard provides an overview of the OEE of individual production areas.



Picture 3: The Production Area Dashboard shows the availability, quantity data, and quality data as well as the overall equipment efficiency within a production area like the top coat area.

The Dürr Group is one of the world's leading mechanical and plant engineering firms with extensive expertise in automation and digitalization/Industry 4.0. Its products, systems and services enable highly efficient manufacturing processes in different industries. The Dürr Group supplies sectors like the automotive industry, mechanical engineering, chemical, pharmaceutical and woodworking industries. It generated sales of € 3.92 billion in 2019. The company has around 16,500 employees and 112 business locations in 34 countries. The Group operates in the market with the brands Dürr, Schenck and HOMAG and with five divisions:

* **Paint and Final Assembly Systems:** paint shops as well as final assembly, testing and filling technology for the automotive industry
* **Application Technology:** robot technologies for the automated application of paint, sealants and adhesives
* **Clean Technology Systems:** air pollution control, noise abatement systems and coating systems for battery electrodes
* **Measuring and Process Systems:** balancing equipment and diagnostic technology
* **Woodworking Machinery and Systems:** machinery and equipment for the woodworking industry

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