Press release

Digitalization award "Excellent Supplier of Intelligent Equipment Management Solutions for China's Automobile Industry"

Dürr wins award for DXQ software at SAIC Volkswagen paint shop

Bietigheim-Bissingen, 12 August 2021 – For its comprehensive DXQ software portfolio in the mega paint shop of SAIC Volkswagen in Anting, Dürr has been presented with the award as "Excellent Supplier of Intelligent Equipment Management Solutions for China's Automobile Industry". In the paint shop, state-of-the-art plant engineering, and software including artificial intelligence combine for intelligent production.

“Receiving the award means a great success for Dürr's **DXQ** software, which helps car manufacturers to an intelligent and maintenance-friendly production. This is an important milestone for Dürr as a driver of digitalization in production technology”, says Reiner Schmid, President and CEO of Dürr China. The award of “Excellent Supplier of Intelligent Equipment Management Solutions for China's Automobile Industry” was given by the Automotive Intelligent Manufacturing Technology Center of the China Association of Plant Engineering (CAPE).

To receive the award, the recommendation of an OEM was a prerequisite. Several automobile enterprises evaluated and recommended Dürr based on the assessment of relevant departments such as manufacturing, quality management, procurement, and service. In addition to reviewing the application documents, the subsequent selection process included a jury visit and on-site assessment of the applications. Dürr convinced the committee with its digital product family **DXQ** and its use in SAIC Volkswagen's intelligent paint shop in Anting.

The plant is a benchmark of Dürr’s combined know-how in the fields of mechanical process technology and digitalization. In Anting, SAIC Volkswagen produces various electric and conventionally powered vehicles with a capacity of 120 bodies per hour, which is twice that of a standard paint shop. Dürr provided this paint shop with all plant engineering and the most comprehensive **DXQ** software portfolio to date. Over the 18-month project duration, six international product development teams from Dürr worked with up to ten developers in each case on the new technologies. They coordinated closely with SAIC Volkswagen in short sprints as is customary in agile development.

In the Anting paint shop, Dürr implemented customized **DXQ** software solutions for plant operation, analysis and control: **DXQ**control is used for higher-level plant control. It enables the life cycle of each body to be tracked from beginning to end. This starts with receipt of a production order, whereby the order information is translated into concrete production steps. In addition to order data management, the **DXQ**business.intelligence module is also used in a new form. For the first time, consumption data such as energy, water, or air usage can be evaluated historically over long periods, which lays the foundation for sustainable plant operation. The maintenance software **DXQ**equipment.maintenance has interfaces to the plant equipment’s almost 130 controllers and uses them to determine each piece of equipment’s need for maintenance based on up-to-date information like operating hours or counter readings. The state-of-the-art analytics software **DXQ**plant.analytics aims at improving the first-run-rate of a production system. It correlates recorded quality results with order data (production number, derivative, color, etc.) and process data on the basis of artificial intelligence to identify patterns. A broad base of data makes it possible to track fault causes in a targeted way and define measures. In this way, the system can be permanently optimized.

**Pictures:**



Picture 1: In the SAIC Volkswagen Anting plant, quality results are recorded digitally via tablets. The analysis software DXQplant.analytics correlates these results with a broad base of data to identify patterns.



Picture 2: Peter Lee (2nd from the right) accepted the award for “Excellent Supplier of Intelligent Equipment Management Solutions for China's Automobile Industry” on behalf of Dürr.

**About Dürr**

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 and resource-saving manufacturing processes in different industries. The Dürr Group supplies sectors like the automotive industry, mechanical engineering, chemical, pharmaceutical, medical technology and woodworking industries. It generated sales of € 3.32 billion in 2020. The company has more than 17,000 employees and 121 business locations in 33 countries. Since February 2021, the majority-owned automation specialist Teamtechnik has also been part of the Group. The Dürr 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, assembly and test systems for medical devices
* **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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