Press release

Digitalization: Dürr is a pioneering partner for the Industrial Cloud of Volkswagen and Amazon Web Services

Bietigheim-Bissingen, August 6, 2020 – With its IIoT software applications, the Dürr Group is one of the pioneering partners for the new Industrial Cloud of Volkswagen and Amazon Web Services (AWS). The mechanical and plant engineering firm will initially provide two smart applications from its DXQ software range on the OEM’s open industry platform. Going forward, Volkswagen’s worldwide factories and other partner companies will be able to optimize their manufacturing processes and productivity by accessing applications in the Industrial Cloud, just like they would in an app store. Dürr can use the feedback from the automotive factories to develop its applications further.

In an initial step, Volkswagen and AWS have opened the Industrial Cloud to eleven partner companies. Dürr contributes a DXQ application, among others, to increase overall equipment effectiveness (OEE). This software is deployed in the quality management of paint shops and uses artificial intelligence (AI) to identify error patterns. To this end, algorithms compare process and order data from different sources. The DXQ application also performs an AI-based status analysis of the painting robots and relates these results to the painting results.

Another Dürr software application in the Industrial Cloud enables productivity enhancements in final assembly. The DXQ Filling Services application analyzes the system status of filling stations, in which cars can be supplied with fluids such as brake fluid, air-conditioning refrigerant or gear oil. This enables the fill**­**ing process to be optimized.

Dr. Jochen Weyrauch, CEO of Dürr Systems AG, says: “The integration of part**­**ner software in the Industrial Cloud creates a win-win situation. Volkswagen can offer its factories a fast-growing range of diverse software applications. For us, the integration is valuable because it helps us gain new insights into production. This enables us to design our applications in an even more customer-oriented way and better establish them in the market.”

In addition, Dürr is supporting Volkswagen, for example, in digitalizing the new paint shop in the Chinese plant in Anting. This is where DXQ applications for the optimization of processes, production quality, energy consumption and plant maintenance are used. The collaboration with Volkswagen in Anting is Dürr’s largest digitalization project to date.

**Pictures**

The following image material can be downloaded [here](https://www.durr.com/en/media/news/news-detail/view/digitalization-duerr-is-a-pioneering-partner-for-the-industrial-cloud-of-volkswagen-and-amazon-web-services-79175) on our website.

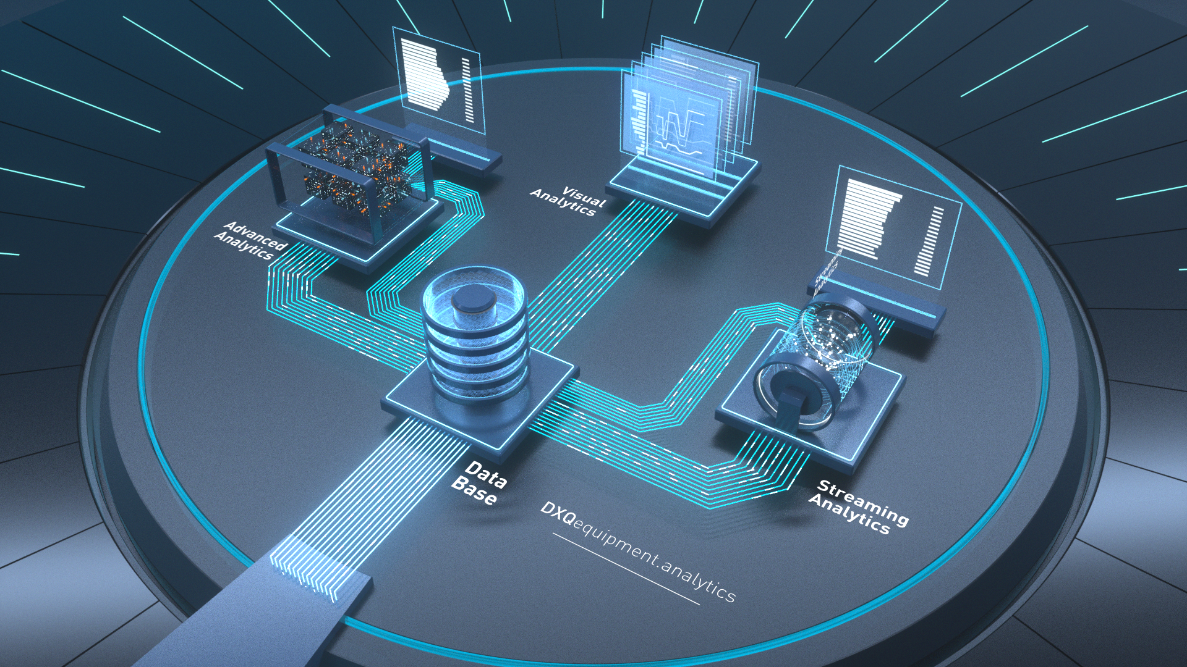


Figure 1: The DXQ application also performs an AI-based status analysis of the painting robots and relates these results to the painting results.



Figure 2: Dürr combines its expertise in IT and mechanical engineering in a digital factory.



Figure 3: The DXQ Filling Services application analyzes the system status of filling stations in which cars can be supplied with fluids.

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 16,300 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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