Press release

Live and on site again for the first time after a two-year break

**Hanover Fair: Dürr presents new digital solutions for the Paint shop of the future**

Bietigheim-Bissingen, 23 May 2022 – Finally, the time has come again: after a two-year break due to corona, Dürr will present innovative software solutions for the paint shop of the future live again for the first time at the Hanover Fair. Under the motto "Digital Intelligence by Dürr", the mechanical and plant engineering firm will be using specific use cases from various industries to show how intelligent software products from its Digital Factory can be used to improve error detection, flexibility and transparency along the entire value chain.

With the Hanover Fair not taking place at all in 2020 and only digitally in 2021, this year exhibitors will once again be presenting themselves on site in the exhibition halls. Among the 2,500 companies taking part in Germany's largest industrial show from May 30 to June 2, Dürr will be welcoming trade fair visitors in Hall 4 (Booth No. D54). At the joint booth with the IT subsidiaries iTAC Software AG and Dualis GmbH IT Solution, visitors can expect a wide range of software solutions for various industries.

Use cases for digital expertise

Dürr is presenting its expertise in digitalization at the Hanover Fair using various use cases:

**Flexible Manufacturing**

The growing variety of products and increasing individualization are pushing conventional line layouts for painting to their limits. That is why the Paint shop of the future needs flexible and scalable production layouts. The use case "Flexible Manufacturing" shows the possibilities of flexible production, based on Dürr's box concept and integrating automated guided vehicles (AGVs). Dürr's control software guides the AGVs to the next process step in each case and ensures efficient utilization of all paint booths.

**Holistic Production Control**

More transparency and control along the entire value chain: the second use case is aimed at optimizing all manufacturing processes. Dürr's **DXQ**energy.management will also be presented for the first time in this context. The new product from the **DXQ** family offers the possibility of central monitoring of energy consumption in a production plant all the way to detailed analysis of individual consumption. The intelligent energy monitoring solution can also be used to display energy flows in production and respective energy costs.

**Manufacturing Analytics and Intelligence**

"From prevention to prediction" is the motto of the third use case. It showcases the extensive documentation of all available process data in the interaction of products of the **DXQ**analyze product family. With the help of artificial intelligence (AI) and machine learning, the products analyze collected data and thus detect potential errors or quality defects in real time. This helps prevent machine downtime and determine the most optimal maintenance times possible. The **DXQ**analyze product family recently won the Industry 4.0 Innovation Award and the Microsoft Intelligent Manufacturing Award.

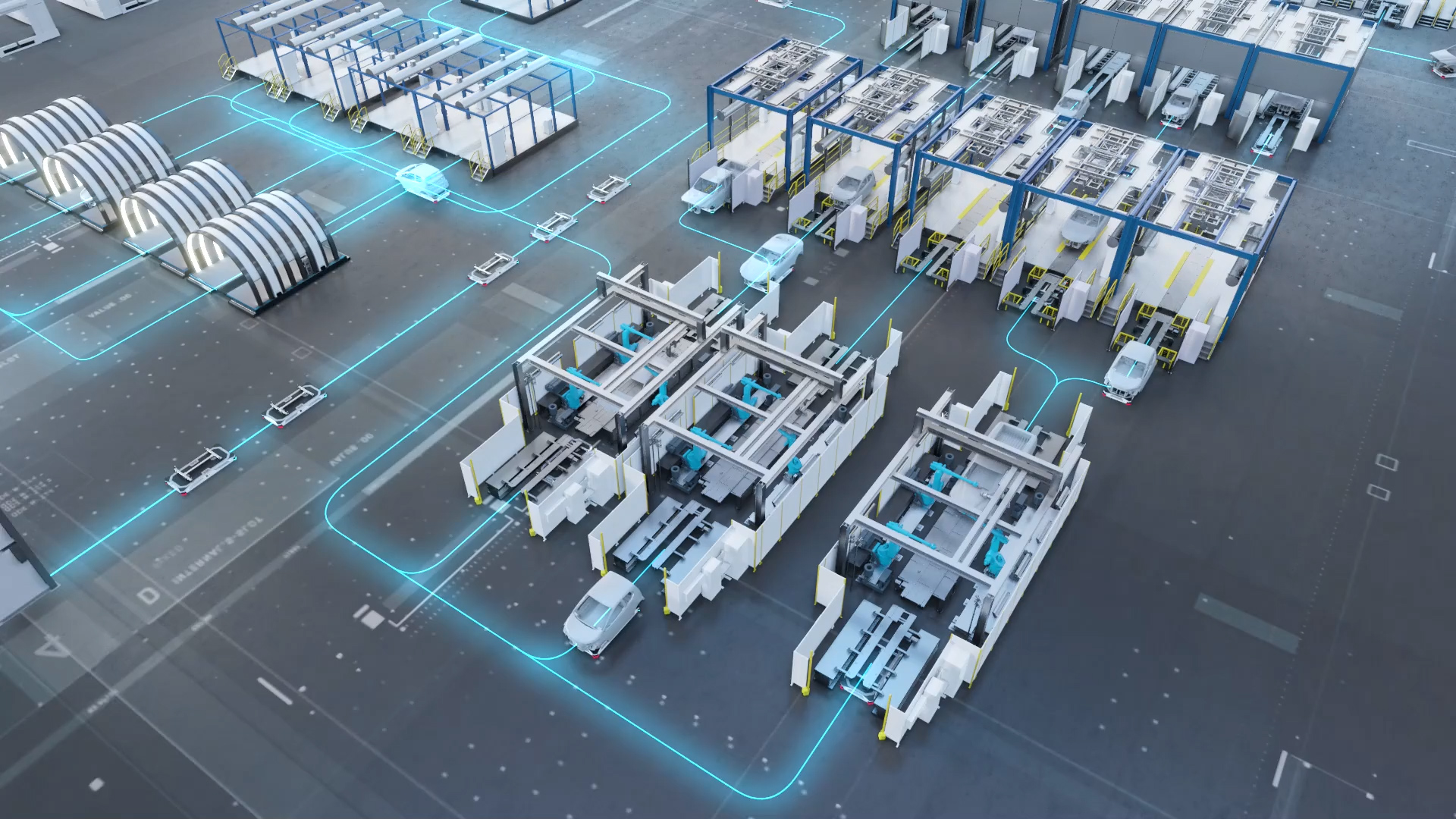


Figure 1: The Dürr control software guides the AGVs to the next process step in each case and ensures efficient utilization of all paint booths.



Figure 2: Dürr's **DXQ**energy.management offers the possibility of central monitoring of energy consumption in a production plant all the way to detailed analysis of individual consumption.



Figure 3: With the help of artificial intelligence (AI) and machine learning, the products analyze collected data and thus detect potential errors or quality defects in real time.

**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 € 3.54 billion in 2021. The company has around 18,000 employees and 120 business locations in 33 countries. 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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