Press Release

Dürr is a leading innovator of environmental systems in Baden-Württemberg

Bietigheim-Bissingen, 11.17.2021 – The Clean Technology Systems division of **Dürr has successfully participated in the Environmental Technology Award Baden-Württemberg and made the shortlist with its Sorpt.X LC solvent recovery system and DXQ software for environmental systems. Sorpt.X LC is a new, resource-saving technology for the recovery of solvents in battery production, while the software from the DXQ family enables intelligent analyses of process data,** **which yields significant CO2 savings.**

With the Environmental Technology Award, the Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg recognizes outstanding innovations for environmental systems in a total of four categories. Dürr impressed with Sorpt**.X** LC in the Material Efficiency category and DXQ for air pollution control systems in the category Measurement and Control Technology, Industry 4.0.

“We are very proud that not only one, but two of our products were nominated,” explains Dr. Sebastian Baumann, CFO of the Clean Technology Systems division at Dürr. “This is an important validation of our strategy and encourages us to continually invest in innovative, environmentally friendly products.”

The production of lithium-ion batteries – the key technology of electromobility –requires the use of various solvents in the coating process of an electrode. The new technology from Dürr enables the removal and recovery of these solvents from the exhaust air flow. The system consists of a multi-stage condenser with integrated heat transfer, which recovers 99% of the solvent by means of condensation. Without this system, the exhaust air requires thermal oxidation, which would result in additional CO2 emissions. Sorpt**.X** LC thus reduces the amount of new solvent that needs to be procured, which not only saves resources, but also reduces production costs.

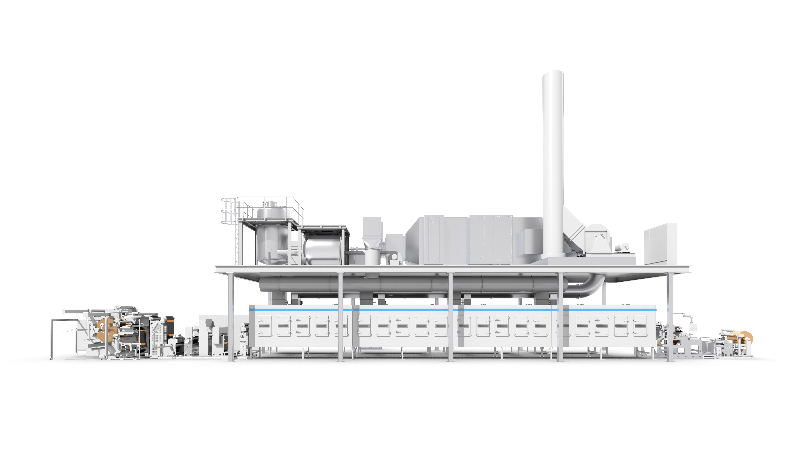
The software component from the DXQ product range for environmental systems, such as air pollution control systems or plants for the decentralized power generation, includes an IoT-ready package for existing and new plants, software-assisted applications, and intelligent models. Various digital solutions are offered bundled and made available in three configuration levels. The ultimate objective is to support plant operators with everyday operation. Malfunctions are easier to prevent and faster to recover from in case of emergency, increasing plant availability. Old plants can be retrofitted with the DXQ software in order to enable data analyses and remote access. This reduces the likelihood of downtime during production and makes the plants even more sustainable.

“The determination and tenacity with which companies are contributing to sustainability and environmental protection through the use of resource-efficient processes and products is impressive,” said Environment Minister Thekla Walker. The nomination of two products validates the work Dürr has been doing with environmental technologies for many years.

**Pictures**



**Figure 1:** Dr. Christian Eichhorn, Houver Chabo, Lars Ebinger, and Dr. Sebastian Baumann (CFO Dürr Systems AG Clean Technology Systems) (from left to right) © Martin Stollberg



**Figure 2:** Electrode coating from Dürr with solvent recovery Sorpt**.X** LC (at the top)



**Figure 3:** Trouble-free operation of environmental systems thanks to digital service solutions.

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 industries such as the automotive, mechanical engineering, chemical, pharmaceutical, medical engineering and woodworking industries. It generated sales of €3.32 billion in 2020. The company has around 17,500 employees and over 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 is represented on the market with the three brands Dürr, Schenck, and HOMAG as well as five divisions:

* **Paint and Final Assembly Systems:** Paint shops as well as final assembly, testing and filling systems for the automotive industry, assembly and testing systems for medical products
* **Application Technology:** Robot technologies for the automatic application of paint as well as sealants and adhesives
* **Clean Technology Systems:** Air pollution control systems, acoustic protection systems and coating systems for battery electrodes
* **Measuring and Process Systems:** Balancing systems and diagnostic technology
* **Woodworking Machinery and Systems:** Machinery and systems for the woodworking industry

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