

## PRESS RELEASE

### Cutting-edge assembly system goes into operation at DEUTZ

- New assembly line at the main Cologne site for engines of less than 4 liters
- Firm focus on the value stream and Industry 4.0 applications
- Better quality, efficiency, and ergonomics on the production line

Cologne, October 6, 2020 – DEUTZ has officially brought a new assembly line on stream at its Cologne site. On assembly line 5, the production processes for DEUTZ's successful 2.2, 2.9 and 3.6 engine series now benefit from a new set-up, making them more streamlined and increasing overall capacity. Diesel, gas, and bi-fuel engines will be assembled here in the future.

The new production line is located where the 2011 model series used to be made before those operations were moved to Ulm. It has been designed to optimize the flow of materials. Fully automated guided vehicle systems, for example, are used to transport materials directly to the material staging areas at the assembly line completely automatically. The materials for the workstations are then pre-assembled and moved to the appropriate stations.

The new final assembly line also helps to minimize process risks. A high production rate is achieved thanks to a flowing system, enabling work to take place at more than 70 assembly stations where the pre-assembled components and modules are put together. Another priority for assembly was an end-to-end quality concept, which includes the monitoring of all threaded connection processes, the use of cameras to document critical assembly steps, and support from collaborative robots for individual processes.

The engines are subsequently checked using a cold test that is integrated into the value stream. The introduction of cold testing for engines with a capacity of less than 4 liters brings lasting reductions in machine busy time and fuel consumption at the plant.

Virtual simulation of the processes and movements enabled the production processes to be optimized for employees too, taking particular account of ergonomics and health & safety aspects.

“We are delighted to have brought on stream our new ultra-modern assembly line at our Cologne site. The process-driven design of the line will enable us to use our internal resources even more efficiently and therefore to considerably increase our performance,” says DEUTZ CEO, Dr. Frank Hiller.

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### **About DEUTZ AG**

*DEUTZ AG, a publicly traded company headquartered in Cologne, Germany, is one of the world's leading manufacturers of innovative drive systems. Its core competencies are the development, production, distribution, and servicing of diesel, gas, and electric drive systems for professional applications. It offers a broad range of engines delivering up to 620 kW that are used in construction equipment, agricultural machinery, material handling equipment, stationary equipment, commercial vehicles, rail vehicles, and other applications. DEUTZ has around 4,900 employees worldwide and over 800 sales and service partners in more than 130 countries. It generated revenue of €1,840.0 million in 2019.*

Further information is available at [www.deutz.com](http://www.deutz.com).