

The background image shows a dense array of industrial machinery, likely a robotic assembly line. It features numerous blue cables, white mechanical components, and various sensors or actuators mounted on a metal frame. The scene is brightly lit, highlighting the intricate details of the equipment.

fortiss future factory

The "cognitive" plant

Flexible production

Can customised toys or socks be produced in small batches? With the „fortiss future factory“ they can! Our demonstrator comprises modules which can be combined and modified ad hoc to order. The fortiss software analyses the stored module „profiles“ and „recognises“ the possible processing steps. Using this information, the „fortiss future factory“ independently plans and monitors the entire production process, making costly reprogramming a thing of the past.

More insight with the Industrial IoT

Integrated sensors gather data on operating status or product quality, which can be transferred in a cloud platform.

The advantage: services such as IBM Watson analyse and interpret the data and generate valuable information, such as warnings of upcoming maintenance works or suggestions on how to save energy.

fortiss is the research institute of the Free State of Bavaria for software-intensive systems and services with headquarters in Munich.

The institute currently has around 170 employees, who collaborate on research, development and transfer projects with universities and technology companies in Bavaria, Germany and Europe.

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