

FA Products is the organizer of "Team Cross FA", which provides "Next Generation Digital Factories" that go beyond the concept of smart factories. As the general contact for Team Cross FA, we are engaged in overall planning and production, and are particularly good at digital twin consulting. In addition to the calculation of various appropriate values such as facility capacity and production planning through simulation, which makes it possible to construct digital twin models, linking product development data (CAD, BOM, BOP, etc.) and digital twin models makes a significant contribution to quality improvement and cost reduction from the time of early market launch of a product or production line start-up, and updates manufacturing from the process. Specifically, we will work through the entire project from the grand design of the entire project to the conceptual design, detailed design, and implementation of the digital twin. Our staff includes engineers who have completed basic Edgex software training, as well as engineers with expertise in control equipment and networking, and a wide range of industry knowledge. Taking advantage of the "openness" of Edgex, a feature of Edgex, we build a system that integrates the I/O level of a single production facility and the controller level. In addition, the entire production plant is integrated with various systems such as MES and ERP to realize a seamless digital twin across manufacturers.

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