

HMI 2023: Climate-friendly Manufacturing Needs Connectivity For Every Machine – And Uniform Data

- Digitally connect old and new factory machines with the FORCE EDGE CONNECT solution
- Create a manufacturing digital twin in SAP Digital Manufacturing Cloud (DMC)
- FORCAM is presenting the solution at HMI 2023 at the SAP booth in hall 15, booth E17

Ravensburg/Böblingen, April 2023. Connectivity is key: climate-friendly manufacturing begins with the digital connection of every single factory machine. FORCAM will be presenting how old and new machines can be digitally networked and the data used for real-time analyses in the SAP Digital Manufacturing Cloud (DMC) at the SAP stand at this year's Hannover Messe Industry (HMI, April 17-21, 2023, SAP in Hall 15, Stand E17).

"The master key to climate-friendly production is connectivity for every single factory machine, old and new," explains Oliver Hoffmann, co-CEO of FORCAM. "The task is to convert signals from a wide variety of sources into a uniform data model and thus bring the digital twin of production to life in SAP DMC. Real-time analyses can then be run in the SAP systems - for energy and resource efficiency, for example."

Speed is a crucial success factor here. Management colleague Werner Gruber: "A short implementation phase enables fast results. This means significant added value for companies with international factory networks: they get a quick return on investment through measurably more efficient production." At HMI, FORCAM teams will show live demos of how companies can use the [FORCE EDGE CONNECT](#) solution to significantly reduce the time needed to connect machines and start real-time analyses.

Crucial step towards climate-neutral production – with FORCAM and SAP DMC

FORCAM is a certified SAP Silver and Service Partner and supports companies in implementing the SAP Digital Manufacturing Cloud. Pedro Iglesias, responsible for SAP DMC solutions at FORCAM: "Our certified SAP DMC consultants advise and support in the analysis, planning and implementation of a solution tailored to each customer's individual needs."

The basis for machine connectivity and the data model for integration in SAP DMC is the FORCE EDGE CONNECT solution. The integrative platform draws on the treasure trove of data in heterogeneous machine parks: even old existing equipment (brownfield) can be digitally networked retroactively, regardless of age and manufacturer. There is no need to invest in new machines.

The solution reduces the connectivity effort for the same machine types to a minimum and provides a semantic data model for comprehensive analyses in SAP DMC. This creates the basis for precisely measured and optimized resource and energy consumption with a digital twin of production – a key step toward climate-neutral manufacturing.

Related links:

- [Book a meeting with our experts at Hannover Fair](#)
- [Video “Keynote FORCAM FORCE EDGE”](#)
- [SAP Web-Session “Next Generation Digital Manufacturing“](#) (27 April 2023 – in German)
- [FORCE EDGE CONNECT in SAP Store](#)
- [The Factory of the Future](#) (Interview with Dr. Ullrich Ochs, Member of the Board)

About FORCAM and ENISCO

FORCAM and ENISCO are IT pioneers of Industry 4.0: they support corporations and medium-sized companies in sustainably securing their competitiveness through data-driven production - Smart Manufacturing. The modular software solution world (MES - Manufacturing Execution System) as well as the consulting and services of FORCAM and ENISCO cover every stage of a digital transformation in discrete manufacturing - from the entry into the Smart Factory to the automated control of entire production and logistics processes as well as international rollouts. Customers include Audi, Bizerba, Borgwarner, Evobus, IKEA, Jungheinrich, Liebherr, Lockheed Martin, Swarovski Optik, Voestalpine. FORCAM and ENISCO, with around 220 employees worldwide, operate in the DACH region from locations in Böblingen, Heidelberg and Ravensburg. International offices are located in France, the USA, China and India.

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