Press release

Ascon Systems launches the Digital-Twin-Readiness-Check tool for digital twins in manufacturing

Stuttgart, June 13, 2024 - Ascon Systems, a company that enables digital transformation towards a flexible, automated company through software-defined manufacturing, is expanding its consulting division. From now on, companies can use a Digital-Twin-Readiness-Check to find out what the requirements for end-to-end data transparency with digital twins and software-defined manufacturing are in their company's manufacturing processes. The result is an analysis of the current technical infrastructure and transformation needs , as well as a roadmap for the strategy and integration of digital twins as a foundation for software-defined manufacturing.

The digital transformation in manufacturing is still in full swing at many companies in Germany. A key component of this is the digital twin, a virtual model of physical processes and systems. It connects the real with the digital world and enables simulations. Using it leads to increased productivity and cost savings. Before digital twins can be integrated into existing systems, however, a careful analysis of the existing infrastructure of the shop floor systems is required, including the throughput of devices connected to the Internet of Things (IoT).

The Digital-Twin-Readiness Check
Ascon Systems now supports companies with a multi-stage Digital-Twin-Readiness Check, to quickly identify how their infrastructure is set up, how it should be optimized regarding the integration of digital twins, and which strategy should underlie a roadmap for implementation. These steps include:

- Analysis of the existing infrastructure
- Stakeholder analysis
- Risk analysis
- Maturity level determination
- Strategy for the roadmap
- Roadmap for implementation

Jens Mueller, CEO of Ascon Systems, comments: "We have always supported and advised companies with our expertise in key digital technologies on how they can produce more flexibly , cost-effectively, and with less dependency on resources. This digital transformation towards an orchestrated, automated manufacturing operation often fails right from the start if there is no clarity about the technical and

procedural conditions and responsibilities. We have therefore developed the Digital-Twin-Readiness Check, a low-threshold tool that overcomes these hurdles, is user-friendly and, above all, leads to a quick, clear result. We aim to help companies to accelerate their digital development in Industry 4.0 more quickly and thus strengthen their competitive position. We also contribute to enabling companies to connect technologically to the Industrial Metaverse from NVIDIA, one of our partners."

Jens Mueller, CEO, Ascon Systems

Transformation Services at Ascon Systems
Ascon Systems is a pioneer in the software development of digital twins and their implementation as a building block on the way to the Industrial Metaverse. With the consulting unit in the company, Ascon Systems also provides support through the transformation processes associated with adopting new technologies or transitioning to differ ones, advising on potentials for automation, flexibility and efficiency gains of technologies.

The Digital-Twin-Readiness-Check: https://ascon-systems.de/en/aim/

About Ascon Systems Holding GmbH:

Ascon Systems Holding GmbH connects the digital world with the real world. The company develops solutions for automation based on digital twins that enable companies to achieve the digital transformation towards Industry 5.0 and industrial metaverse. The goal is to make industrial manufacturing more flexible, and achieve this through the convergence of IT and OT. Customers include BMW, Mercedes, Drees & Sommer and Läpple. Other customers are market-leading companies from the automotive, mechanical engineering, aviation, and logistics sectors. In April 2024 Ascon Systems has been awarded „Highly Commended NVIDIA Partner in EMEA" in the category Industry Innovation by NVIDIA. Ascon Systems Holding GmbH is the parent company of Ascon Systems GmbH, which was founded in 2017. The CEO is Jens Mueller. More than 130 employees are working in the team. Ascon Systems is headquartered in Stuttgart, with additional locations in Berlin, Mainz, Munich, Heilbronn and Stade.

https://ascon-systems.de/en/

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