P R E S S   R E L E A S E

Results give a boost to the B2B integration of digital services in IoT for machinery and plant engineering.

Successful Finish for SEAMLESS Project

08/02/2023 – Bretten, Germany – SEEBURGER delighted to have contributed to success of BMBF-funded research project SEAMLESS, and proud to have been presented an ISSIP award for Best Service Innovation Paper.

Three years after it began, the SEAMLESS research project drew to a successful close with its final group meeting on 24th and 25th January 2023 at the WZL, RWTH Aachen University. The SEAMLESS project explored simulation-supported, assistance-system based engineering and maintenance services for lean aftersales services.

And the results are impressive. At the final meeting, the group started presenting the final prototype of the developed digital service with the company and the project partner Dieffenbacher, which offered intelligent status monitoring and augmented-reality maintenance. This was followed by showcasing operation services in the prototype for machine-tool manufacturer Innolite, which intelligently linked AI capabilities with control and simulation to optimize calibration and machining. Next in line was the presentation of the digital services using multi-stage simulations of a third prototype developed for the company FFT Produktionssysteme, which was designed to optimize planning and recommissioning for the conversion of automated assembly systems. In addition, a "neutral prototype" condensed the results and findings of the application trap in a virtual technology carrier.

SEEBURGER's areas of focus have enabled new approaches in integrating (simulation-based) digital services in B2B to be developed and tried out. This was recognized with an ISSIP best paper award at the International Conference on Industry 4.0 and Smart Manufacturing (ISM). Further project results such as new modelling approaches contributed directly into current discussions on standardization and further development of industry 4.0.

„The SEAMLESS project gave us the opportunity to successfully test new concepts and solutions for making data available from distributed digital twins and integrating these into digital services. This will become increasingly important in future B2B processes in all sectors of the manufacturing industry."

Viktor Schubert (Project Manager at SEEBURGER)

The SEAMLESS research and development project was funded by the Federal Ministry of Education and Research (BMBF) from monies for "complex products, production processes and systems (Smart Services)". It was supervised by the Karlsruhe project management organization PTKA.

You can find further information on the aims of the SEAMLESS project and its participants in our [German-language press release from 19th February 2020](#) commemorating the start of the project.

About SEEBURGER

SEEBURGER is an integration software and services company. Founded in 1986, SEEBURGER has been transforming the IT landscape with a fully cloud-capable, modularly built, integration technology stack, developed and supported entirely in house. Family-owned with over 1,000 employees worldwide, SEEBURGER accelerates business-driven innovation through digitalization, automation and integration.

The SEEBURGER Integration Platform as a Service, enabled by the SEEBURGER Business Integration Suite (BIS), offers hybrid integration and automation capabilities for managing a wide range of use cases for customers and business partners, including API, B2B, EDI, MFT, A2A, IIoT and E-Invoicing solutions to automate and optimize any business, ready to be deployed on premises, hybrid or in any cloud. For more information, visit www.seeburger.com.

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