

Press release

LNI 4.0 e.V. HMI 2021 Information Campaign

Labs Network Industrie 4.0 e.V. (LNI 4.0) to appear digitally at the HANNOVER MESSE 2021 for the first time, supporting German SMEs with 120 use cases and demonstrators

Labs Network Industrie 4.0 e.V. will be showcasing opportunities for Industry 4.0 applications for small and medium-sized enterprises (SMEs) in the virtual space at [HMI digital](#) from April 12 - 16, 2021. Demonstrators will be shown on the subjects of TSN (*Time-Sensitive Networking*), the *Asset Administration Shell* and *Companion Specifications* as well as innovative forms of vocational training in computer science. The topic of TSN will be given special treatment in a livestream held by experts.

LNI 4.0 will provide information on testing opportunities in a wide range of test scenarios (use cases) from the LNI 4.0 network. With 120 use cases from and for German SMEs, LNI 4.0 will cover all the relevant topics of this year's HMI, including interoperability and the digital twin, artificial intelligence, big data, data economics, control technology, drive systems, industrial communication and mechanical infrastructure – including several training examples. LNI 4.0 can thus offer German SMEs real-life application examples as practical ideas for project implementation, and support them on their journey toward digital transformation and Industry 4.0. In addition, the experts of LNI 4.0 will be available at a virtual information booth to answer questions from German SME specialists, and engage in an intensive exchange of ideas and experience. On Thursday, **April 15, 2021**, from **11:00 to 12:00** the TSN Testbed will present its latest results in a livestream, which will be broadcast directly from the Hannover Messe. The live broadcast is entitled *Global cross-vendor LNI TSN testbed applicable for heterogenous applications* and explains the neutral, cross-vendor testing of TSN technology for LNI 4.0.

TO LNI 4.0: Digitalization is opening up considerable potential for the future and opportunities for small and medium-sized enterprises (SMEs). Testing facilities and resources are important prerequisites for putting digital innovations into practice, and helping companies to retain their competitive edge. Labs Network Industrie 4.0 e.V. (LNI 4.0) provides companies with a platform for dialog, upskilling and experimentation. Companies can test technologies, innovations and business models relating to Industry 4.0 in an environment without competitive pressure, and with minimal financial and technical risks.

In five major testbeds, companies join forces to validate innovations and standards. LNI 4.0 is a rapidly growing network of more than 45 reputable test centers (labs) throughout Germany, and about 300 companies that are already testing innovations in more than 120 use cases on a wide range of Industry 4.0 topics. Cost-effective and comprehensive networking requires standardized interoperability which should be available across different manufacturers.

LNI 4.0 e.V. is a partner of the "Industrie 4.0" platform, an overarching alliance between politics, business, science, industry associations and trade unions, and collaborates closely with it.

LNI 4.0 e.V. supports companies at a national and international level, whether offering testing opportunities, exchanging content and results, submitting input and validation concepts for standardization. Thanks to the close collaboration between LNI 4.0 e.V. and the "Standardization Council Industrie 4.0" (SCI 4.0), these new Industry 4.0 solutions arising from use cases and testbeds can be tested and validated for standardization purposes. The results are directly incorporated into the further development of standards via the SCI 4.0, both nationally and internationally.

LNI 4.0 e.V. was founded by Deutsche Telekom, Festo, SAP and Siemens as well as Bitkom, VDMA and ZVEI. It sees itself as forging strong links between business and industry associations, and it is committed to supporting all of German industry and the general public.

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