

First IEC 62443 certificates for the mobility industry

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TÜV SÜD certifies solutions for critical infrastructures in accordance with the IEC 62443 standard for industrial cyber security

Munich. TÜV SÜD has issued its first three certificates in accordance with the IEC 62443 standard series for industrial cyber security in the mobility sector. The certificates were presented to Siemens Mobility and cover components and solutions for various rolling stock and their rail infrastructure.

The international IEC 62443 standard series establishes the framework for ensuring the industrial cybersecurity of cyber-physical systems (CPS). Designed to minimise the risks for industrial networks, it establishes a framework that enables manufacturers, integrators and operators to ensure the cybersecurity of their systems, components and equipment. A certificate in accordance with the IEC 62443 standard series enables companies to demonstrate to their customers and business partners that their products and solutions are in compliance with the latest international security standards. For Siemens Mobility, certification in accordance with IEC 62443 marks an important step that contributes to transport cybersecurity in the digital age.



The certificates were awarded to Siemens Mobility at InnoTrans, the international trade fair for transport technology, in Berlin last week. At the presentation, Walter Reithmaier, CEO of TÜV SÜD Product Service GmbH, emphasised the joint work of Siemens and TÜV SÜD. As members of the Charter of Trust, both partners have worked with other companies on the development of global standards and

regulations that raise and advance cybersecurity awareness in industry and business. "Certificates like those awarded today show how TÜV SÜD supports its clients through this complex transition, working with them to ensure greater cybersecurity in volatile times. Siemens Mobility is leading the way with

these TÜV SÜD certificates, demonstrating the maturity of their cybersecurity products and solutions”, added Reithmaier.

With a team of highly specialised experts, TÜV SÜD is one of the leading suppliers of TIC services to address the cybersecurity of industrial software, components and equipment. The company has been working with its clients all over the world for years to make their digital journeys successful and effective.

The certificates in detail

The first of the three certificates is in accordance with the IEC 62443-2-4 and IEC 62443-3-3 standards and covers a security programme for integration and maintenance processes for rail vehicles. The certification process involved the development of a technical blueprint, with pre-defined security measures that can be used as a basis for new projects.

The two other certificates refer to the “Train IT Security Gateway” and “Core Shield Data Capture Unit” products respectively and cover the requirements of the IEC 62443-4-1 and IEC 62443-4-2 standards. Particular attention was paid to ensuring that the design and development of both products is in compliance with the secure development lifecycle (SDL) process.

For further information on IEC 62443 certification, visit:

<https://www.tuvsud.com/en/industries/manufacturing/machinery-and-robotics/iec-62443-industrial-security>.

Note for editorial staff: The press release and the photo can be downloaded from:

<https://www.tuvsud.com/newsroom>.

Photo caption (from left to right): Walter Reithmaier, CEO of TÜV SÜD Product Service GmbH, Frank Hoffmann, Head of Engineering for Siemens Mobility Rolling Stock, Johannes Emmelheinz, CEO of Siemens Mobility Customer Services.

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