PRESS RELEASE

KNX ASSOCIATION ACHIEVES KEY MILESTONES IN KNX IOT TECHNOLOGY DEVELOPMENT AND CERTIFICATION

New IoT certification and open-source access elevate KNX as the standard for secure, interoperable smart home and building solutions

BRUSSELS – 21 NOVEMBER 2024 – *KNX Association proudly announces several groundbreaking developments in KNX IoT technology, marking a new era of innovation and reliability for smart home and building automation. Through these advancements, KNX strengthens its position as a leader in the global IoT landscape, driving standards for interoperability, security, and innovation. The release highlights KNX's newly launched certification scheme for IoT devices, ensuring stringent quality and security standards, as well as the successful certification of the first KNX IoT devices. With the KNX IoT stack now commercially available on the Thread protocol and an open-source initiative to encourage further innovation, KNX continues to expand possibilities for developers and integrators alike.*

KNX IoT - A Success Story in Smart Building Solutions
The launch of KNX IoT was an important landmark, delivering key IoT benefits like high-level IPv6-supported interoperability, advanced physical and network layers, and embedded security by design. From development through integration, KNX IoT provides essential resources for every product lifecycle stage, empowering manufacturers to create top-tier IoT devices, solutions, and services for diverse smart home and building applications. The ETS Tool further simplifies integration and configuration of KNX devices from any manufacturer, across all physical layers, through a modern user interface.

New certification scheme for KNX IoT devices now available
KNX Association has launched its official certification scheme for KNX IoT devices, representing a significant advancement in KNX IoT technology. This certification ensures that devices meet the necessary standards for interoperability and security, setting a benchmark for quality across the smart home and building industry. By establishing this certification, KNX paves the way for a future of secure, IP-based, and seamlessly integrated ecosystems that enhance the reliability and functionality of smart home and building industry. The KNX IoT Stack from the KNX Member Cascoda was certified directly by KNX Association, enabling easier development for other KNX IoT devices. As a result, Futurasmus KNX Test Lab conducted the first external certification tests for the ATOUCH Glass Panels, showcasing the reliability of the new KNX IoT stack and setting a precedent for future certifications.

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The KNX IoT Stack Goes Open Source

The first commercial KNX IoT stack, developed by Cascoda, is now commercially available on the Thread protocol, offering KNX members a secure, low-power mesh network solution for smart home and building automation. Additionally, KNX Association has made the IoT stack open source, encouraging industry innovation and transparency. This allows developers worldwide to build on KNX IoT technology, driving the development of advanced solutions for the future of smart environments. Additional KNX IoT stack solutions are in progress to offer new possibilities for KNX Members to develop their KNX IoT devices and solutions in the near future.

Interested in development and certification of KNX IoT Devices If you missed the KNX IoTech Forum recently launch, you can watch it now online, to learn more and stay ahead in KNX IoT innovations. Watch it here

PHOTO MATERIAL

Printing of pictures permitted

Picture
Emanuel Cunha, Hardware Engineer at ATOUCH, Semavi Akin, System Conformity Engineer at KNX Association and Stephan Erasmus, José Miguel Romero, Pablo Urbano and Oliver Rosales from Futurasmus KNX Test Lab, testing ATOUCH products

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KNX Association cvba
De Kleetlaan 5 bus 11
B-1831 Brussels-Diegem
Belgium
Tel.: +32 (0) 2 775 85 90
Fax: +32 (0) 2 675 50 28
info@knx.org
www.knx.org

Press contact:
Heinz Lux
heinz.lux@knx.org

Press material:
www.knx.org/knx-en/
press-room

About KNX

KNX Association develops and promotes the KNX standard to offer smart home and building solutions on a worldwide scale, ranging from lighting and blind control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, smart metering as well as household appliances, audio/video and many more. All these building applications can be configured with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as an extension of the KNX technology towards the Internet of Things (KNX IoT). KNX is approved as a European (CENELEC EN 50090 and EN ISO 22510) and an International standard (ISO/IEC 14543-3). This standard is based on more than 30 years of experience in the market. Over 500 manufacturers worldwide from different application domains have more than 8,000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with more than 120,000 installation companies in 190 countries.

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