

More flexibility for IoT applications

New version of KontronOS expands the flexibility of Kontron susietec® IoT Bundles

Linz, Austria, November 12, 2024 – With the susietec® toolset, [Kontron](#), a leading global provider of IoT/Embedded Computing Technology (ECT), offers a combination of software, hardware and expertise, that enables companies to implement holistic digital transformation solutions. Thanks to the expansion of the hardened Linux®-based KontronOS operating system, Kontron susietec® IoT Bundles offer more flexibility for cross-industry IoT applications.

With the susietec® IoT Bundles, Kontron supports international digital transformation projects with specially matched solutions consisting of software and hardware products.

The latest update of **KontronOS** offers the option of securely installing and updating native applications in addition to Docker containers, while the subsystem remains in read-only mode. This ensures a significantly higher level of security, because the system core remains impenetrable. The KontronOS update function includes both the operating system and customer applications. This provides a flexible and secure environment for the widest range of applications. The integration of this new functionality makes KontronOS an even stronger platform for the secure operation of device fleets over the long term. In conjunction with the remoting solution, updates and maintenance can also easily be carried out remotely.

The new version of the KontronOS operating system based on hardened Linux® sees the range of **KontronGrid IoT Bundles** for fleet management of edge devices expanded to include the powerful box PCs KBox A-151-TGL and KBox A-151-EKL. This gives customers even greater flexibility when choosing their hardware, both for low-power IoT applications and for data-intensive IoT edge and AI applications. Thanks to plug-and-play functionality, the Bundle is immediately ready for use, which simplifies the connection and management of edge devices and reduces development times.

Another highlight of the new version is the integration of Docker Compose for easy administration of Docker sets. By orchestrating container automation, the KontronGrid IoT Bundle significantly simplifies the installation and deployment process of complex applications. This means that environment variables, bind mounts, and remote files no longer

need to be configured manually. Existing Docker sets can easily be used for template configurations to efficiently carry out mass updates.

Moreover, thanks to the extended REST APIs, the templates for mass updates can now also be triggered automatically. For this purpose, template components such as Docker containers, Docker Compose and remote files are managed directly via the REST API and then rolled out to edge devices.

The FabEagle®Connect interface integration solution now also supports the secure KontronOS operating system and the KontronGrid fleet management solution in the **Connect IoT Bundle**. This allows customers to easily combine the three IoT core elements – connectivity, security and IoT device management – with the high performance KBox series hardware.

The combination of KontronGrid and FabEagle®Connect offers numerous advantages: By implementing Docker containers, the integration solution can be rolled out directly to edge devices using KontronGrid. This allows fast connection of databases and machines, while container management ensures a simple update process, and Docker deployment means that the integration solution can be commissioned quickly.

Further Information:

A photograph in high resolution is provided here:

<https://cloud.profil-pr.com/index.php/s/QtyzcfERYaaWXCJf>

Further information about susietec®: <https://www.susietec.com/>

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About susietec®

We see digital transformation as a holistic approach. With the susietec® Toolset, we support companies in recognizing the potential of IoT and digitization: The combination of software, hardware and know-how enables functional and smart solutions for equipment suppliers, providers and manufacturers. That is how we succeed in implementing purpose-driven changes effectively – with the aim of driving forward digitization in the long term.

susietec® solutions can be used in an existing environment and also provide a basis for the new development of machines, components and production plants.

As part of the Kontron Group, we help you take the decisive steps towards digital transformation using our experience from numerous digitalization projects. For more information, please visit: www.susietec.com

About Kontron

Kontron AG (www.kontron.com, ISIN AT0000A0E9W5, WKN A0X9EJ, KTN) is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

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