

Press release

## **Secure from end-to-end: Liebherr and Reycom showcase an AI-ready IoT solution at Agritechnica 2023**

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- Liebherr-Components and Reycom present a holistic IoT solution based on a robust security infrastructure
- In cooperation with NVIDIA, next generation hardware fuses with ideally matched software
- The end-to-end solution for industrial and mobile machines paves an easy and secure way for OEMs to take advantage of value-added IoT or AI applications.

**The modular IoT solution by Liebherr-Components and Reycom opens up a wide range of possibilities for OEMs – from setting up a smart factory to predictive maintenance and autonomous machines in agriculture. In cooperation with renowned technology partners, the IoT solution features a robust security infrastructure with active device management.**

Nussbaumen (Switzerland), November 9, 2023 – Liebherr-Components and Reycom present the next generation of IoT solutions for Industry 4.0 and mobile machines. The complete package consisting of high-performance AI-ready edge gateways by Liebherr-Components and the ideally matched Reycom Industrial Secure Edge Platform<sup>®</sup>, enables OEMs to easily and securely take advantage of the benefits offered by the IoT.

"Our holistic IoT solution includes multiple modules that can be flexibly selected by the OEM – from robust edge gateways and life-cycle security to ready-to-use applications. Our profound know-how combined with that of our market-leading technology partners reduces the OEM's keep-alive effort to a minimum," says Claus von Reibnitz, Managing Director at Liebherr-Electronics and Drives GmbH.

### **AI-ready edge gateways**

The gateway family by Liebherr-Components stands for exceptional performance, long service life and high availability. This makes the two edge gateways, the LEG<sup>4</sup>IT and the LEG<sup>4</sup>AX, ideally suited for demanding applications, be it in industry or mobile machines.

The two gateways are equipped with powerful processors, supporting multi-operating systems and offering extensive 5G connectivity. The LEG<sup>4</sup>IT is the right choice for such applications as condition monitoring or predictive maintenance. In turn, the powerful LEG<sup>4</sup>AX masters applications in the field of artificial intelligence and autonomous operation.

## **One step ahead with NVIDIA technology**

The high performance of the [NVIDIA Jetson Xavier AGX](#) Industrial module in the LEG<sup>4</sup>AX is key for software-defined vehicles, the use of AI and edge power for automated processes in agriculture and construction. With the LEG<sup>4</sup>AX, OEMs can unlock the full AI potential of their machines.

## **Secure and actively managed: Reycom Industrial Secure Edge Platform<sup>®</sup>**

In cooperation with technology leaders in the field, Reycom's Industrial Secure Edge Platform provides a robust security infrastructure, protecting the systems against malicious attacks. Furthermore, the platform enables over-the-air software updates, which are essential for the long-term security of IoT applications.

## **Deep integration of hardware, software and applications**

Liebherr-Components also provides suitable digital cameras and flat-panel touch displays that connect with edge gateways. The electronic components combined with Reycom's Industrial Secure Edge Platform and its integration with Microsoft's Azure cloud form a holistic plug-and-play IoT solution for the customer.

## **Presentation at Agritechnica 2023**

Liebherr-Components and Reycom will present the new end-to-end IoT solution, including both edge gateways, at this year's Agritechnica in hall 15, at booth 10.

## **About the Liebherr-Components AG**

In this segment, the Liebherr Group specialises in the development, design, manufacturing of high-performance components in the fields of mechanical, hydraulic and electric drive and control technology. Liebherr-Component Technologies AG, based in Bulle (Switzerland), coordinates all activities in the components product segment.

The extensive product range includes combustion engines, injection systems, engine control units, axial piston pumps and motors, hydraulic cylinders, slewing bearings, gearboxes and winches, switchgear, electronic and power electronics components, and software. The high-quality components are used in cranes and earthmoving machinery, in the mining industry, maritime applications, wind turbines, automotive engineering or in aviation and transport technology. Synergy effects with other product segments of the Liebherr Group are used to drive continuous technological development.

## **About Reycom AG**

Reycom is a Swiss OEM and platform supplier with specialists from Europe, Asia and the US to bring together innovative spirit and state-of-the-art solutions at affordable prices.

Our goal is to achieve outstanding customer satisfaction and achieve the best possible user experience. At our major customers, we contribute to increasing their security and efficiency by implementing remote management, AI and cloud technologies.

## Images



liebherr-reycom-iot-e2e-edge-solution.jpg

Modular and secure: the end-to-end IoT solution by Liebherr-Components and Reycom.

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