

Press release

LACOS Group: Intelligent technologies for tomorrow's agriculture - 35 years of innovation and practical experience – from software stacks to fully integrated ISOBUS complete solutions

Zeulenroda-Triebes / Salzkotten, September 2025 – What began as the vision of two agricultural engineers is now a sought-after technology partner for agricultural machinery manufacturers, dealers, and farmers worldwide: For 35 years, the LACOS Group has stood for innovative, manufacturer-independent hardware and software solutions that measurably increase efficiency, precision, and sustainability in the field.

35 years of development – from an idea to a system partner for digital agriculture

The origins date back to 1990, when LACOS was founded to equip agricultural businesses with digital technology – at a time when computers were still a rarity in agriculture. What started as a system house focusing on agriculture has now become a cross-company group of experts with four locations in Germany and France – with over 80 employees and more than 100,000 software licenses delivered worldwide.

“We develop solutions that make everyday life easier for farmers and give machine manufacturers real competitive advantages,” explains Christian Müller, Managing Director of the LACOS Group. *“The customer is at the center of everything we do – from the initial consultation to series integration.”*

Four areas of expertise for modern agriculture

1. Precision Farming

In the field of precision farming, LACOS offers a wide range of intelligent solutions for manufacturers, dealers, and end customers.

With the ISOBUS display LC:ONE, a powerful display has been developed that combines precision farming functions such as SectionControl, Variable Rate, AutoSteering, and AutoTurn. It is the central entry point into modern machine operation – robust, internationally proven and intuitive to use.

For OEMs, the ISOterminal Suite is also available – a customizable precision farming software stack that can be individually integrated into existing displays and systems. Here, the range of functions, user interface, and brand appearance can be tailored precisely to the respective manufacturer. The ISOterminal Suite enables the flexible and time-saving implementation of ISOBUS-compliant solutions – modular, platform-independent, and brand-specific.

Another focus is on the development of intelligent control systems for attachments that are suitable for both ISOBUS and non-ISOBUS machines. These systems consist of innovative control software combined with reliable hardware – including ECUs, sensors, cable systems, and more. They are currently used in crop protection sprayers and seed drills and enable precise, robust, and future-proof machine control – both in original equipment and in retrofits.

2. Telematics

With the telemetry components of the LC: TRACKER, the ISOBUS display LC:ONE, and the analysis platform LC:FleetNav, LACOS offers a comprehensive, manufacturer-independent telemetry concept. Among other things, machine and equipment data such as locations, travel times, operating times, and downtimes can be automatically recorded and evaluated – as a basis for greater transparency, predictability, and resource efficiency.

3. Fieldplanning

The LC:FieldPlanner enables intelligent track planning to optimize field work. The software is used both directly by farmers on their own farms and integrated into existing farm management systems (FMIS) via flexible interfaces. Machine geometry, headland strategies, and implement characteristics are taken into account. Turning maneuvers and overlaps are reduced, saving time, fuel, and soil.

4. Robotics & Automation

In the field of robotics & automation, LACOS provides targeted support to agricultural technology OEMs in the development of future technologies. The current focus is on a software stack for mission planning developed specifically for autonomous applications, which forms the basis for automated work processes.

As part of the “Field Swarm Ecosystem” research project, cooperative system concepts are being developed in collaboration with partners to network, coordinate, and control smaller autonomous vehicles—including cloud-based planning, implement integration, and communication. The developments aim to make holistic automation concepts for robots and autonomous tractors available in the future.

From OEM to end customer – solutions from a single source

With its subsidiary LACOS AgSystems GmbH, founded in 2023, the company offers a complete system specifically for small and medium-sized manufacturers and dealers. In addition to ISOBUS displays, this also includes ECUs, GNSS receivers, and sensors – supplemented by training, sales support, and long-term support.

The new cloud platform LC:HOME brings together all digital products and services of the LACOS Group in one central location for the first time. These include lane planning, telemetry, remote support, and task data over the air. LC:HOME will be continuously developed with the aim of bundling all digital use cases in one system: for tractors, attachments, and office activities.

Long-standing customers include Horsch, Dammann, JCB, Claas, Maschio Gaspardo, and many more. Solutions are also successfully sold directly to agricultural end customers through the company's own dealer network.

People who drive agriculture

"I am most proud of our team – highly motivated, imaginative, and with a genuine understanding of practical applications," emphasizes Christian Müller.

Managing Director Thomas Damme also emphasizes the significance of this development: *"It's a great feeling to see our technology at trade fairs or in real-world field applications – and to know that we are actively helping to shape the future of agriculture."*

With the LC:ONE, LACOS has demonstrated the innovative strength of the group – and with the new LC:TWO, the next generation of intelligent ISOBUS displays is already available.

About LACOS

The LACOS Group, headquartered in Zeulenroda-Triebes, has been developing innovative technologies for agriculture since 1990. The company employs around 80 people at four locations in Germany and France and supplies software and system solutions to machine manufacturers,

dealers, and end customers worldwide. Its focus is on the areas of precision farming, telematics, field planning, and robotics & automation.

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Pictures



Image 1: Management of the LACOS Group, from left to right: Christian Müller, Stephan Hubrich, Thomas Damme



Figure 2: Guiding collage of the LACOS group



Image 3: Official logo of the LACOS Group