

## Hexagon presents autonomy and positioning solutions at agricultural robotics event in France

*Leader in agribusiness technology highlights innovations during one of the sector's main global events.*

Hexagon's Autonomy & Positioning division will be present at the 2025 edition of the International Forum of Agricultural Robotics (FIRA), which takes place from February 4 to 6 in Toulouse, France, at AGROBIOPOLE. Recognised as one of the world's leading events in the sector, FIRA brings together leaders, researchers and companies to explore the technologies that are transforming agriculture.

"FIRA is a unique platform to present innovations that can redefine global agriculture. Our commitment is to provide the necessary technological foundations for agricultural machinery manufacturers to face industry challenges, helping the sector increase productivity, efficiency in the use of inputs, and address labour shortages. At the event, solutions that ensure easy integration and safe operation for machines will be showcased," says Adriano Naspolini, Director of Engineering for Agriculture at Hexagon's Autonomy & Positioning division.

### Event Highlights

- Hexagon will be present at FIRA 2025 with a booth dedicated to showcasing innovations aimed at agricultural robotics and autonomy companies. The technologies presented include:
- SMART7 and SMART2: Multi-constellation and multi-frequency GNSS antennas that provide high precision in different operating conditions, ensuring reliability and redundancy in positioning signals.
- Receiver Boards: Designed for integration into antennas, offering support for high-performance GNSS solutions and flexibility to meet the needs of different manufacturers.
- Corrections: TerraStar offers centimetre-level accuracy, even in adverse conditions or under interference from natural phenomena, such as scintillation. It ensures reliable positioning, enabling continuous and efficient operations of agricultural machinery in any environment.
- Perception: Advanced perception technologies that provide situational awareness, enabling autonomous machines to navigate through fields safely and efficiently.
- Ti10, Core Box and ISOBUS: Tools that enable precise navigation and control of machines, supporting various types of actuators and connectivity. These products help tackle challenging scenarios, offering modularity and safety.

"Precise and reliable control is essential for autonomy. Our products not only meet current demands but also provide updates and flexibility for the future," reinforces Naspolini.

On February 5, from 2:25 p.m. to 4:45 p.m., Christian Raboin, Agriculture Sales Manager at Hexagon's Autonomy & Positioning division, will conduct a session on the company's solutions, exploring essential technologies for autonomous agricultural robots. The presentation will cover how the use of GNSS with SPAN technology ensures centimetre-level precision and reliability, even in challenging environments. And how artificial intelligence solutions and image databases enhance visual perception for free space and object recognition, optimising navigation. Additionally, the integration of GNSS maps and RTK modems creates optimised trajectories and real-time guidance, reducing costs and increasing productivity. Finally, the presentation will provide an overview of the democratisation of robotic autonomy in agriculture and open space for discussions on practical applications and collaborations.



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With over 3,000 participants and 100 exhibitors expected, FIRA 2025 will be a meeting point for discussions and demonstrations of technologies aimed at increasing productivity and sustainability in global agriculture. Napolini emphasises: "Hexagon is committed to offering solutions that not only meet the needs of farmers but also contribute to a more efficient agricultural future."

**About Hexagon:**

Hexagon is the global leader in precision technologies at any scale. Our digital twins, robotics and AI solutions are transforming the industries that shape our reality.

Our technologies are shaping production and ecosystems related to people, becoming increasingly connected and autonomous, ensuring a scalable and sustainable future.

Hexagon's Autonomy & Positioning division is a pioneer in complete guaranteed positioning solutions for land, sea, and air. Its solutions empower intelligent positioning ecosystems in vital sectors and life safety applications, enabling the advancement of Autonomous X (cars, UAVs, industrial vehicles, trains, agricultural vehicles, vessels, and more). The division includes leading brands NovAtel, Veripos, and AutonomouStuff.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,500 employees in 50 countries and net sales of approximately 5.4bn EUR. Learn more at [hexagon.com](https://hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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