



Solinftec showcases Solix Robotics advancements and U.S. expansion at FIRA 2025

Discovery Mode, Starlink connectivity and obstacle detection enhance Solix autonomy while operations expand to new U.S. states

Solinftec, a global leader in artificial intelligence and sustainable agricultural practices, announces its latest technological advancements in autonomous field operations at FIRA 2025. The company also celebrates a significant expansion into key U.S. agricultural regions, reinforcing its mission to bring sustainable, data-driven automation to farmers across the country.

After establishing strong operations in Illinois and Indiana, Solinftec is now expanding its footprint to Kansas, Iowa, Wisconsin and Texas for the 2025 season. This growth reflects increasing demand for Solinftec's innovative, autonomous solutions among forward-thinking growers.

"For the third consecutive season, our Solix robots are delivering outstanding results in reducing herbicide and water use while enabling real-time agronomic insights," said Guilherme Guiné, COO of Solinftec North America. "By expanding to new regions, we're helping more producers improve their operations while preserving valuable natural resources."

Latest Innovations in Solix AG Robotics

Solinftec continues to advance the Solix platform with a suite of new features that make its autonomous operation more intelligent, efficient and reliable in the field:

- **Discovery Mode:** Solix now creates its own navigation paths without requiring pre-loaded field maps. By autonomously identifying and following existing crop rows, it dramatically simplifies deployment and increases operational independence.
- **Starlink Connectivity:** Integration with Starlink enables fast and stable communication even in remote locations, ensuring seamless data transmission, real-time updates and continuous AI learning—regardless of cellular coverage.
- **Obstacle Detection:** New sensors and AI algorithms allow Solix to detect and respond to obstacles in real time, enhancing safety, reducing downtime and supporting uninterrupted autonomous operation.

Commercial Launch of the Solar-Powered Refill Station

The event also marks the commercial debut of Solinftec's fully autonomous Refill Station, a solar-powered chemical refill hub designed to support Solix's continuous operation. This innovation closes the automation loop by enabling the robot to refill autonomously in the field, operating 24/7 without human intervention. The Refill Station incorporates key learnings from recent growing seasons and represents a major step forward in large-scale autonomous agriculture.

Up to 95% Reduction in Herbicide Use

Now in its third consecutive season in the Midwest, Solix continues to deliver quantifiable agronomic and environmental benefits. Leveraging AI-powered cameras for targeted spraying, the robot enables up to 95% reduction in herbicide use compared to conventional broadcast applications.



Beyond spraying, Solix provides comprehensive crop monitoring—capturing real-time data on plant emergence, weed density, pest presence, stand gaps, infestation levels and crop growth stages—to empower smarter, faster decision-making.

About Solinftec

[Solinftec](#) is a global leader in artificial intelligence and robotics for agribusiness, with operations in the United States, Brazil, Colombia, China and Mexico. The company has more than 800 employees worldwide, including 330 dedicated to R&D. Among its technological solutions are the ALICE AI platform and Solix Ag Robotics, a robot designed for large-scale food production in agriculture.