

Digitize, Manage, Automate: FJDynamics Unveils Industry's First "Full-Process Digital Turf Solution" at GCSAA 2026

SINGAPORE (January 13, 2026) – Managing a golf course is managing a complex asset ecosystem. At the 2026 GCSAA Conference and Trade Show, FJDynamics moves beyond standalone robots to present a comprehensive "Full-Process Digital Turf Solution."

This ecosystem integrates machine-free digital twinning, cloud management, and a versatile robotic fleet. It addresses diverse operational needs—from maintaining vast fairways and roughs to the precision care of greens and tees—ensuring superior turf health and operational efficiency across the entire facility.



The Digital Foundation: FJD Trion™ P2 & N10

Establishing a precise digital base with industrial-grade infrastructure.

- **Machine-Free Mapping (P2):** Staff can utilize the P2 LiDAR Scanner to create high-precision 3D real-world maps. This flexible approach enables map creation and editing management anytime, anywhere—eliminating the need to transport machines and significantly reducing labor costs.
- **Unified Connectivity (N10):** The FJD Trion™ N10 provides a massive 30km coverage radius. It creates a robust network that eliminates signal dead zones caused by trees or terrain, ensuring the robotic fleet stays connected throughout the course.

Centralized Intelligence: FJD GreenMaster Platform

Data drives consistency. FJD GreenMaster serves as the central brain, enabling managers to schedule tasks, monitor fleet status in real-time, and manage operations across different zones from a single interface.

Major Zone Execution: RCM01, FRX & RM21

Tailored cutting technologies for specific turf needs:

- **Premium Fairways (RCM01):** Utilizes robotic cylinder blades to deliver superior striping and precision, meeting the highest aesthetic standards.
- **High-Efficiency Coverage (FRX):** Features Suspension Cutting Disc technology for terrain adaptability, offering high-throughput maintenance covering 96,000 m² in 3 days for large fairways.
- **Roughs Management (RM21):** Mastering roughs under dense trees with RTK and LiDAR fusion, this robust platform ensures consistent cutting performance even where GPS signals are typically obstructed.

Asset Optimization: MS200 & Range Robot

Respecting existing investments and boosting revenue centers:

- **Fleet Retrofit (MS200):** The MS200 Smart Kit upgrades traditional mowers into autonomous units, extending the lifecycle of your existing fleet.
- **Range Automation:** Our smart ball picking solution (RM21 with BP01 Kit) automates collection, intelligently detecting when full and returning to a designated point for emptying, keeping the range play-ready.

Visit FJDynamics at GCSAA 2026

See the full digital asset solution in action at **Booth 3615**.

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Notes to editors:

FJDynamics is a robotics solutions company focused on digitalization, automation, and new energy. We are committed to creating practical and affordable robots for labor-intensive industries and using our technology to drive digital transformation across those traditional industries for improved productivity and working environment. Today, our solutions are widely applied in agriculture, landscaping, construction, surveying, and facility services. As our business expands globally, we are excited to collaborate with partners and clients to create a better future for the world.