









Al-Driven Innovations

Real-Time Data Collection

Sensors: Motor current, speed, torque, slope detection, communication signal strength.

Continuous Streaming: Onboard CPU and communication module for live data updates.

Intelligent Terrain Adaptation

Terrain Detection: ML models analyze motor current & slope data to classify surface conditions.

Adaptive Control: Robot automatically adjusts torque/speed for steep climbs or uneven ground.

Failure Prevention: Alerts trigger maintenance before breakdown, reducing downtime & costs.



Our Green Impact

Over 1,400,000,000+ Litres of

Water Saved



TAYPRO PRIVATE LIMITED 10 **Awards and Certifications** ISO-certified under an Integrated Management System (IMS) for Quality (9001), Environment (14001), and Occupational Health & Safety (45001). Recognised as Top Robotic Cleaning 4 Granted Patents 2 Pending Patents Equipment Supplier by Mercom India (4 Concept and 2 Industrial Design patents) Best use of AI for Sustainable Tested and Certified by National Institute Development by MINT (Hindustan Times) of Solar Energy for Module Performance Best Innovation and Business Plan Certified for IP55 and IP65 by TUV NORD Winners of InnovateNEXT 1.0 Certified for Extreme Damp Heat and Dry Winners of PATHFINDER Heat by ELCA Labs Recognised as top 50 startups of 2019 by VJTITBI

