CARTESIUS ROBOTICS LIMITED

Cartesius Robotics focuses on the development of advanced AI-driven and vision-powered robotic solutions for domestic services. We offer a diverse range of innovative products designed for indoor and outdoor services, such as lawn mowing, snow removal, and leaf sweeping. Our flagship product is a vision-based lawn mowing robot that uses vision as the primary sensors to operate.

Innovations and Technology

- A robust and low-cost visual Simultaneous Localization and Mapping (vSLAM) technology for navigating in lawn environments and avoiding obstacles like trees, flowers, small animals, etc
- A low-cost and real-time smart stereo vision for reliable recognition of objects, animals, and scenes, and highly precise depth perception in the environment

Target Applications

- House lawn maintenance
- Clearing weeds in large farmlands
- Urban landscaping projects such as regular lawn trimming

Case Highlight

- Unmanned lawn mower workstation for embankments