

AMS-Robotization(SI)

Autonomous Mobility Solution



Transform your manual device into a robot with autonomous navigation

YUJIN AMS supports customized hardware and software for autonomous navigation including LiDAR, 3D depth Camera, SLAM (Simultaneous Localization And Mapping), navigation software, FMS (Fleet Management System), driving unit development and much more.

Key Features

- AMS to transform any device to a robot capable of autonomous mobility
- AMS-Robotization(SI) for tailored robotics solutions experts
- Proven autonomous technologies operating in real environments
- Cost-effective custom packages backed by extensive R&D
- FMS for safe and efficient robot fleet management and control
- Rapid development and simple maintenance

AMS Configuration

Software

SLAM

- Mapping and Localization

Navigation

- Path Tracking and Planning
- Obstacle Detection and Avoidance

FMS

- Site Configuration
- Scheduling
- Monitoring and Reporting
- Traffic Control and Resource Management
- Communication with Other Systems
- Elevator and Automatic Door Interface

Consulting

- Project Analysis
- Proposal for Project Scope and Duration

Hardware

Sensors

- 2D/3D LiDAR
- 3D depth Camera
- Ultrasonic Sensor
- Safety Sensor

Controller

- AMS-SLAM Board
- AMS-Navigation Board

Safety

- ISO 13482 based PL d Controller

System Integration

- Drive Unit Development
- Custom Hardware and Software Development



Applications

By providing functions such as autonomous navigation, fleet management solution, and proprietary sensors, AMS can empower manual machines with autonomous functions.



Professional Cleaning



Forklifts



AGVs / AMRs



Robovacs



Carts / Trolleys



Digital Signage