Disinfection Service Robot Solution

Powered by Artificial Intelligence (AI), Internet of Things (IoT) and Autonomous SLAM Navigation

GlobalDWS' Disinfection Service Robot (DSR) is an autonomous solution equipped with Ultraviolet-C (UV-C) lights and viral disinfectant solution to eliminate harmful airborne and surface-dwelling viruses and bacteria in indoor spaces.

DSR's competitive advantage is its ability to leverage cognitive capabilities (custom vision and autonomous navigation) and to integrate multiple disinfection solutions on a single and secure platform.

Increases health and well-being

- Enables human staff to focus on urgent and specialized (skilled based) task
- Reduces operational costs as the use of disinfection supplies are controlled and monitored remotely using the DSR Control App and Management Portal

Inactivates harmful viruses with disinfectant spray & UV-C light

- Diffuses liquid gas disinfectant on hard surfaces using high pressure atomizer
- Prevents reproduction of germs using 360-degree UV-C light, the most effective method of disinfection and virus inactivation

Minimizes the risk of infection using fever detection capability

- Monitors people's safety by screening body temperatures using infrared thermal camera and AI cognitive services

Business use:

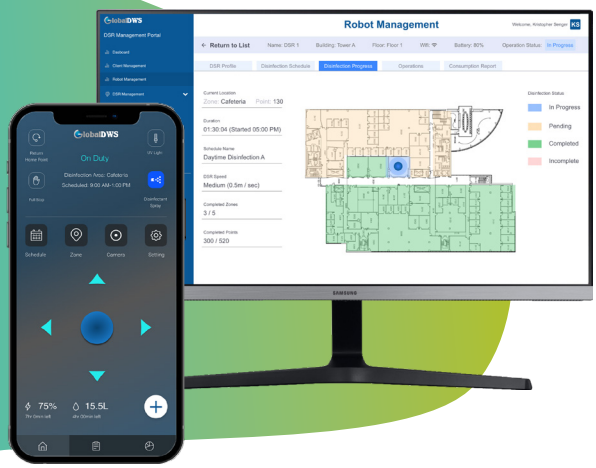
Healthcare
- Hospital
- Senior Home
- Medical Clinic

Food & Hospitality
- Food Court
- Workplace

Transportation
- Subway Station
- Airport

Education
- School

Community
- Worship Places



DSR Control App & Management Portal

All robots are managed using a mobile DSR control app and a real-time analytics dashboard portal. A fully immersive platform built on Microsoft Azure allowing user to:

- Check robot status (battery level, liquid level, etc)
- Conveniently control the operation of disinfectant spray, UV-C light, thermal camera and more
- Schedule and modify the disinfection routine, and generate daily reporting for insights
- Send alert and notification
- Configure floor plan and map obstacle avoidance