LIONSBOT

Autonomous Floor Care Equipment

LIONSBOT

NAVIGATION & SAFETY

- 3D LiDAR, 2D LiDAR, 3D Depth Cameras, SONAR
- AI Navigation, Mapping, and Obstacle Avoidance
- Manual E-Stops, Safety Bumpers, Trip Sensors, and audible alerts
- Customized maps include restricted zones, sound zones, and slow zones

EASE OF USE

- Auto-Docking Stations autonomously drain dirty water, re-fill clean water, charge, and allow for scheduled cleaning
- Tool-Free access to all components of the robots that require regular maintenance
- LionsClean App allows operator to receive real-time alerts, track the robots, and remotely start cleaning plans

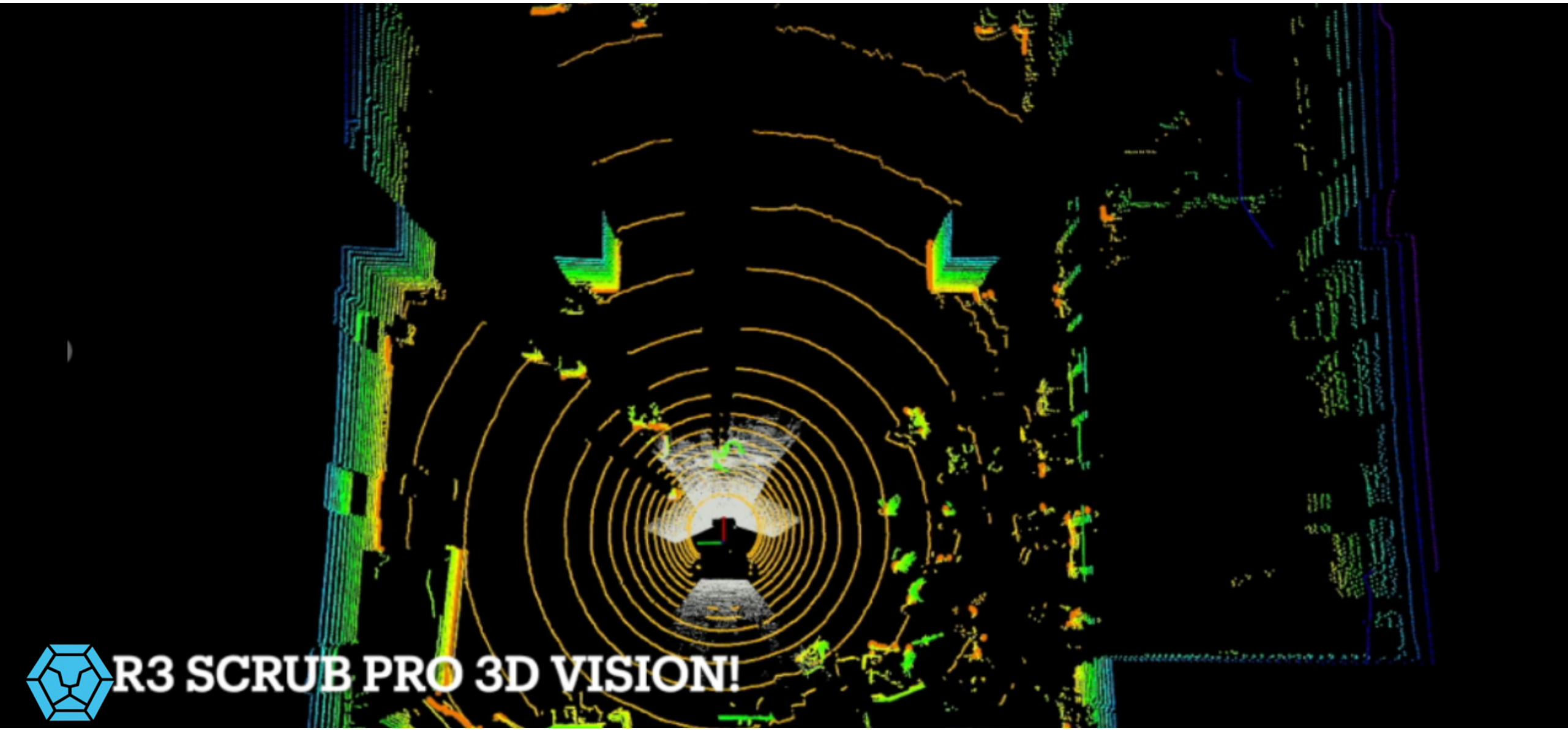
DATA & SECURITY

- No live video feed ensures privacy of employees and guests
- Comprehensive Reporting Capabilities pushed to LionsCloud through an Amazon web server in VA
- No WiFi access required
- Universal SIM Card allows for remote diagnostics and software upgrades

R3 Scrub Pro
8,000-13,000 sq/ft/hr
3-Hour Run Time
2-Hour Charge Time
Auto-Docking Station
Magic Tags

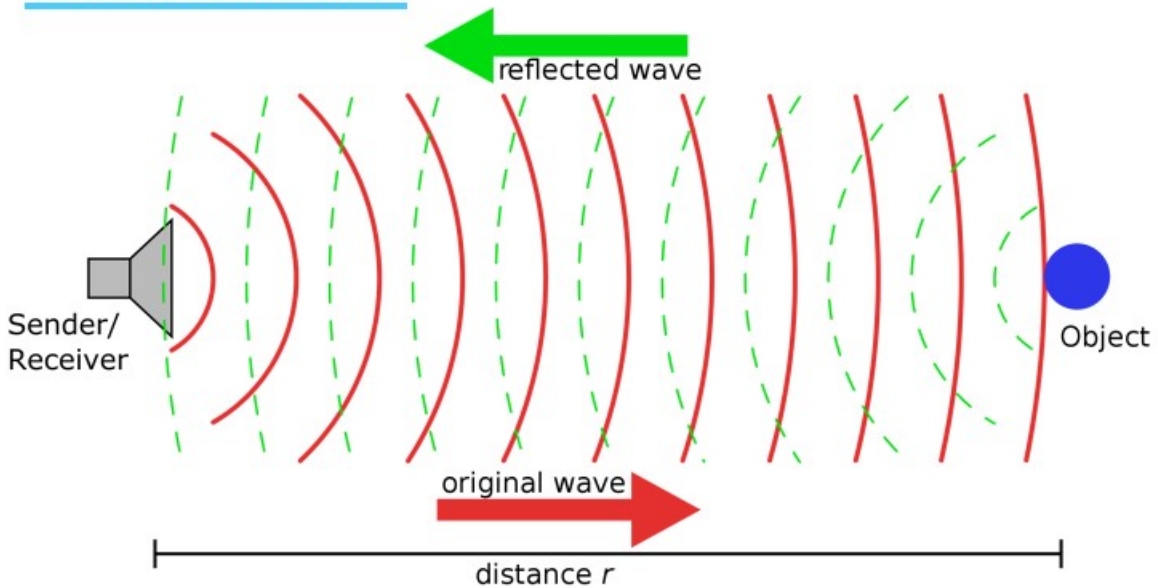
R3 Vac
7,000-11,000 sq/ft/hr
3-Hour Run Time
2-Hour Charge Time
Auto Docking Station
Magic Tags

R12 Rex Scrub
15,000-31,000 sq/ft/hr
6-Hour Run Time
10-Hour Charge Time
Auto-Docking Station


R3 SCRUB PRO 3D VISION!
LIONSBOT

HIGH PERFORMANCE

SONAR



Complete Visualization

Ultra-Sonic Sensors

The addition of Sonar allows visualization of glass and black surfaces that LIDAR cannot detect.

Ideal for environments with glass store fronts or walls.

- Hospitality
- Shopping Malls
- Schools & Universities

PRECISION NAVIGATION

AI BREAKTHROUGH.

Increased Cleaning Speed

- 2X faster than competition

Smart Path Planning

- Calculates the shortest and most efficient path
- Quick Recovery and Uninterrupted Cleaning

AI Intelligent Avoidance

- Understands obstacles and changes avoidance behavior in real time
- Maneuvers around low-lying objects

Smart Navigation

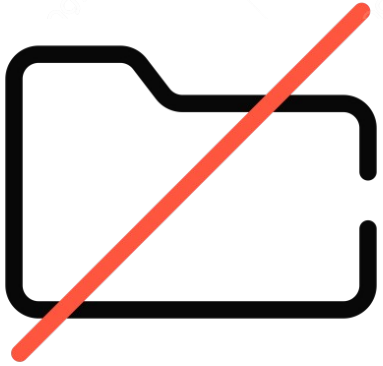
- Able to navigate tight corridors without getting stuck

Simple and Fast Deployment

NO-NO-NO GUARANTEE

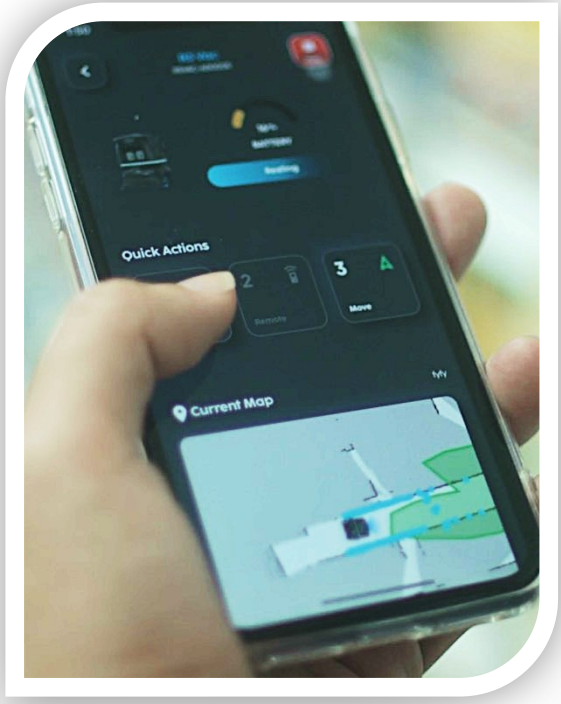
No live video feed or remote monitoring

No Wifi required for operation and functionality



No data captured or transmitted overseas

EASY TO CONTROL.



LionsClean App

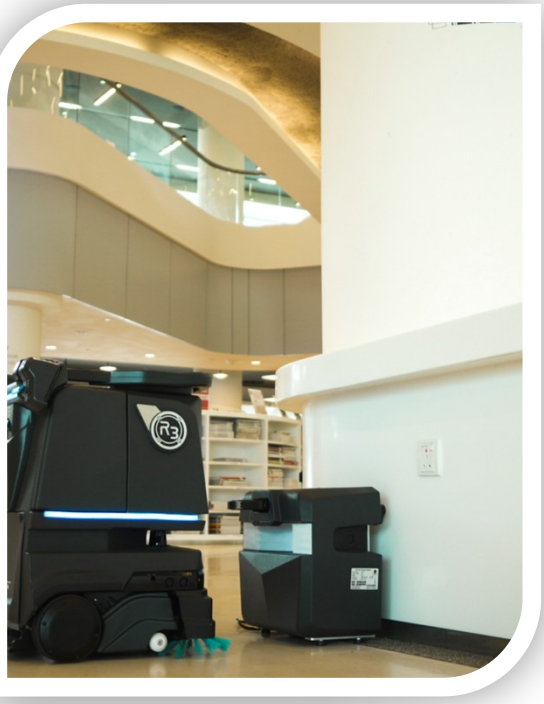
- Notifications
- Teamwork
- Remote Control

Manual Mode

- Work directly on robot
- No need for smartphone
- No need for internet

MagicTag

- Anyone can clean
- Zero Click cleaning
- 30secs to train



Charging Station

- Auto scheduled cleaning
- Auto localization
- Fully automatic

EVIDENCE-BASED REPORTING

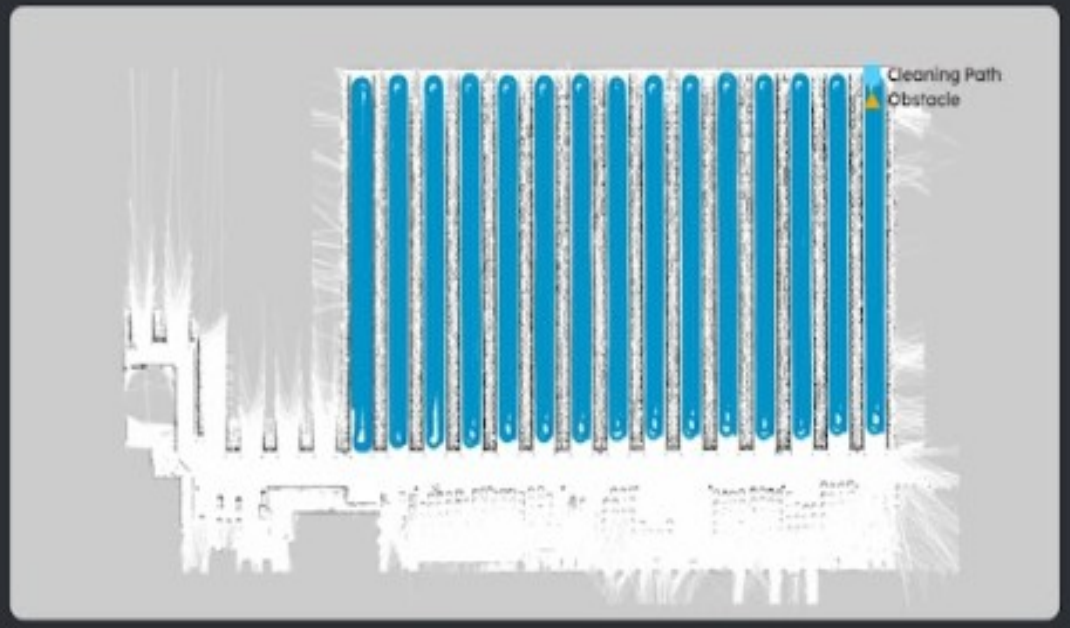
CLEANING REPORT
Report #REX-0194-CS-210624-5314605
Start 21 Jun 2024 13:02:27 America/New_York
End 21 Jun 2024 16:36:51 America/New_York

LIONSCLOUD
BY LIONSBOT

Robot ID
REX-0194-CS

Robot Type
Combi

Site
N.A



Cleaning Performance

Cleaning Coverage

99%

Cleaning Mode
Clean & Rinse

Cleaning Duration
2h 59m 20s

Cleaning Efficiency
16066.97 ft²/h

Area Cleaned
48022.43 ft²

Obstacles
13

Consumption Statistics (Autonomous Cleaning)

Water Used
21.87 gal

Chemical Used
0.0 gal

Battery Used
~47%

CLEANING REPORT

Report #R3SCP-B00283-280624-2777279
Start 28 Jun 2024 06:34:42 America/Chicago
End 28 Jun 2024 09:19:13 America/Chicago

LIONSCLOUD BY LIONSBOT

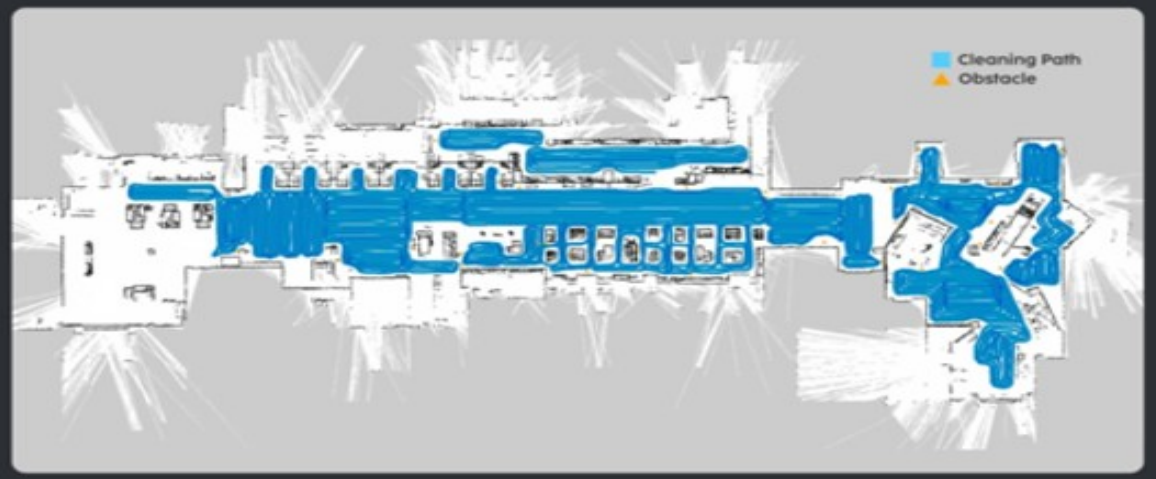
Robot ID
R3SCP-B00283

Robot Type
Scrub Pro

[redacted]

Site
IKEA

[redacted]



Cleaning Performance

Cleaning Coverage

86%

Cleaning Mode
Standard

Cleaning Duration
2h 26m 53s

Cleaning Efficiency
6475.89 ft²/h

Area Cleaned
15853.41 ft²

Obstacles
33

CLEANING REPORT

Report #R3SCP-B00283-240624-2189852
Start 24 Jun 2024 07:59:07 America/New_York
End 24 Jun 2024 09:56:20 America/New_York

LIONSCLOUD BY LIONSBOT

Robot ID
R3SCP-B00283

Robot Type
Scrub Pro

[redacted]

Site
N.A

[redacted]

Cleaning Performance

Cleaning Coverage

93%

Cleaning Mode
Standard

Cleaning Duration
1h 40m 26s

Cleaning Efficiency
4867.87 ft²/h

Area Cleaned
8148.17 ft²

Obstacles
11