



LIONSBOT

SAY HELLO TO

REXCS

NO MORE PRE-SWEEPING.





REXCS

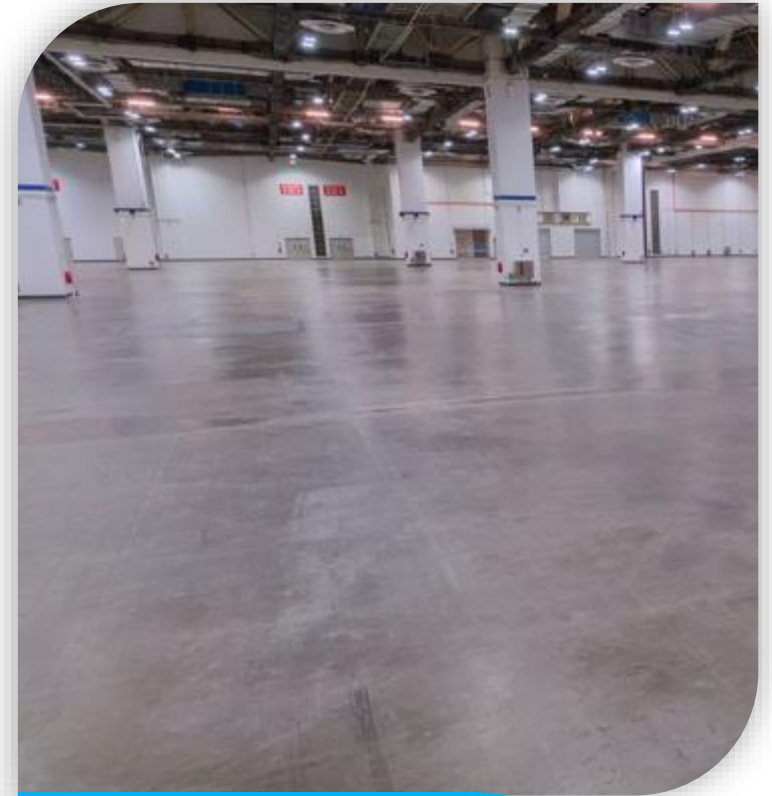
PERFECT FOR LARGE INDOOR AREAS



Warehouses



Factories



Convention Halls

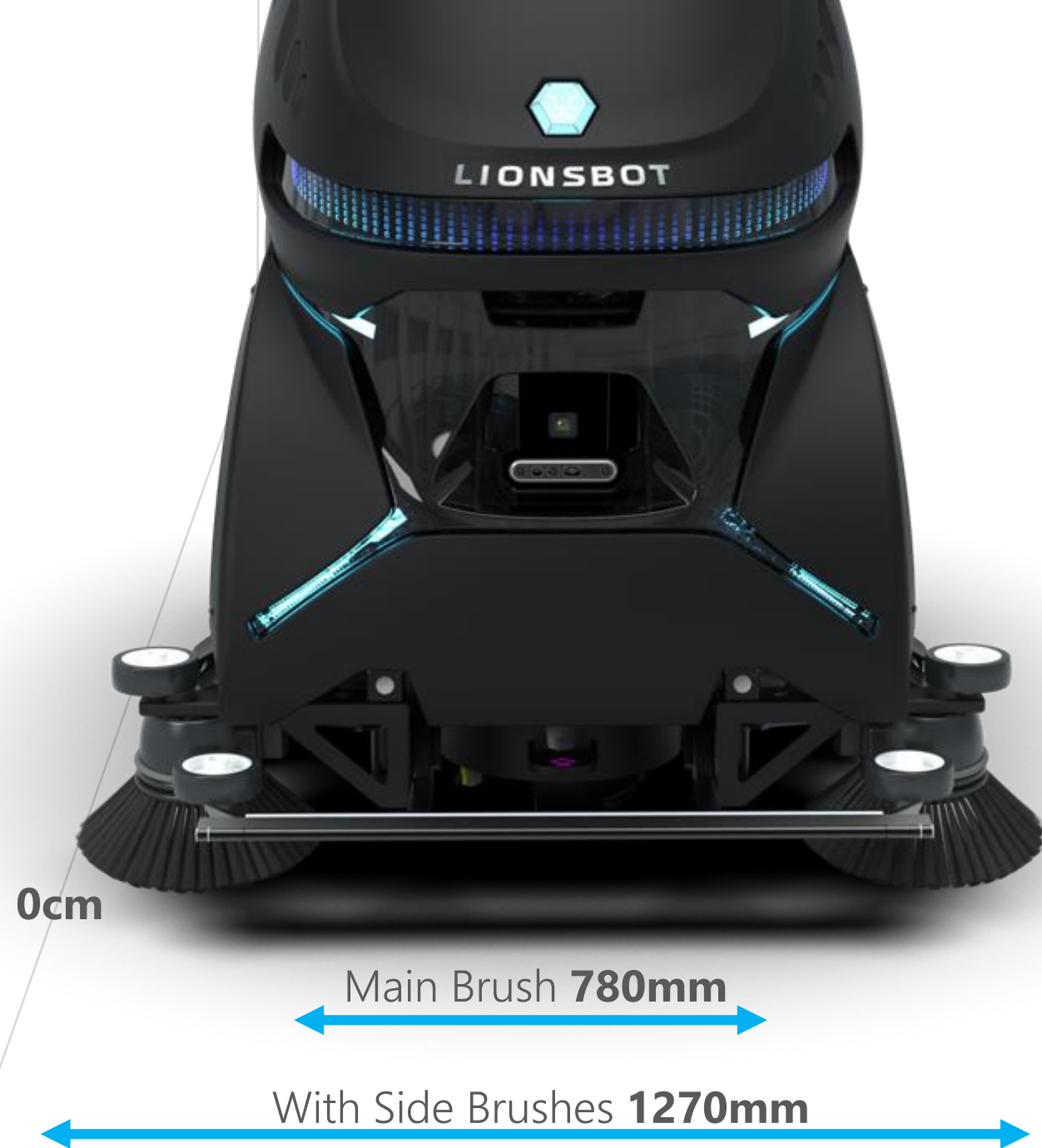
HIGH PERFORMANCE
BETTER CLEANING.

1270mm

With Side Brushes.

Effectively push debris, even from edges, inwards to the cleaning mechanism.

Spring suspension side brushes will be pushed inwards and retracted by objects it comes in contact with.



HIGH PERFORMANCE
BETTER CLEANING.



UP TO
95KG
Downward Pressure

Twin Cylindrical Nylon-Carbide Coated Brushes

2 brush types with chevron V-shape profile to scoop up debris such as leaves, cable ties and wires - leaving floor with polished look.

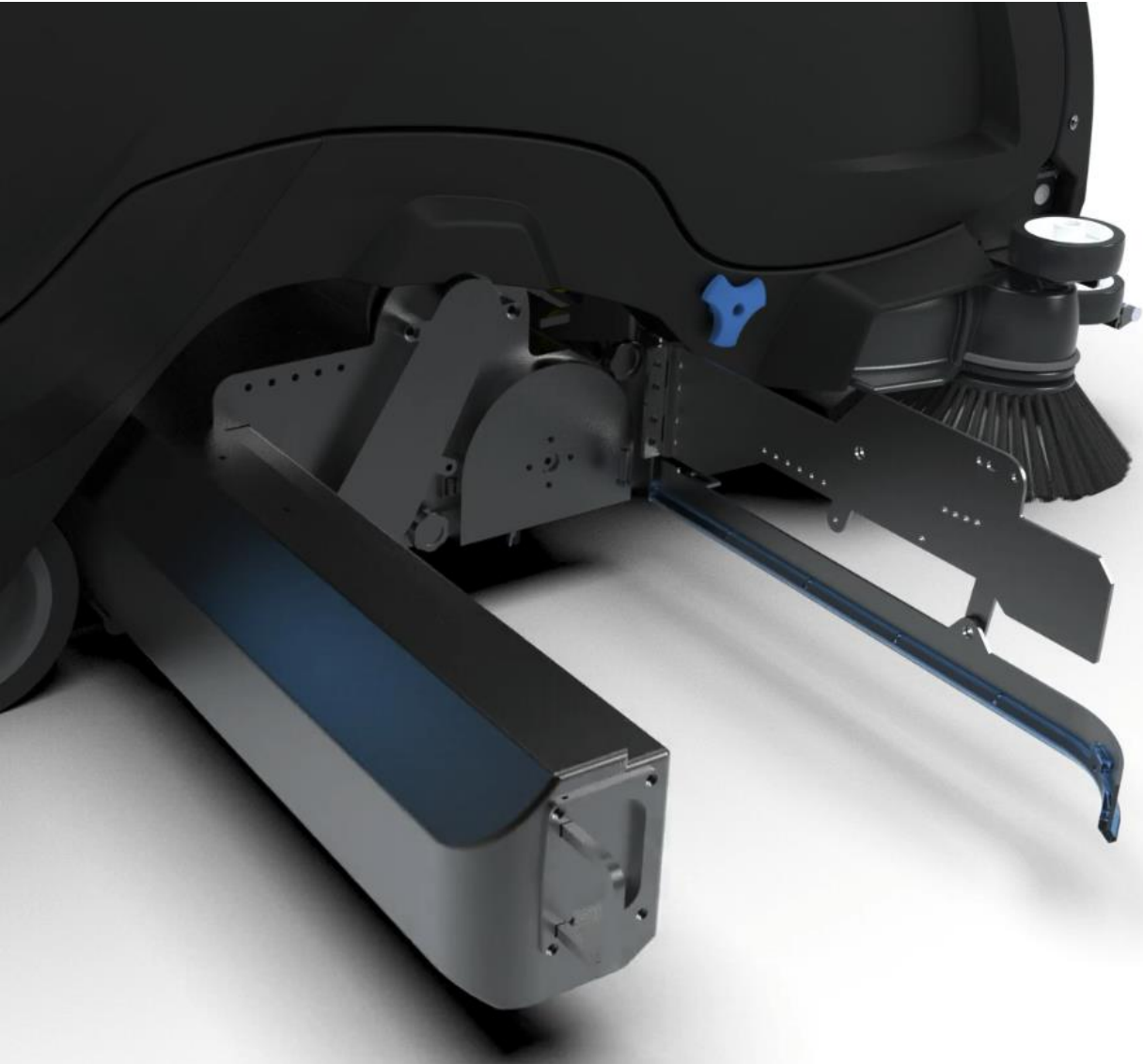


Plain Nylon
(For general purpose e.g. convention halls)



Nylon-Carbide
(For heavy scrubbing e.g. factories)

HIGH PERFORMANCE
BETTER CLEANING.



9.5 Litres Debris Hopper

- Can be pulled out from left or right side for [easy maintenance](#).
- [No tools needed](#).
- Made from plastic (non-corrosive).

HIGH PERFORMANCE **BETTER CLEANING.**

2 x 750W

BLDC motors

Motor driver can limit
current safely

Stainless Steel

Anti-rust

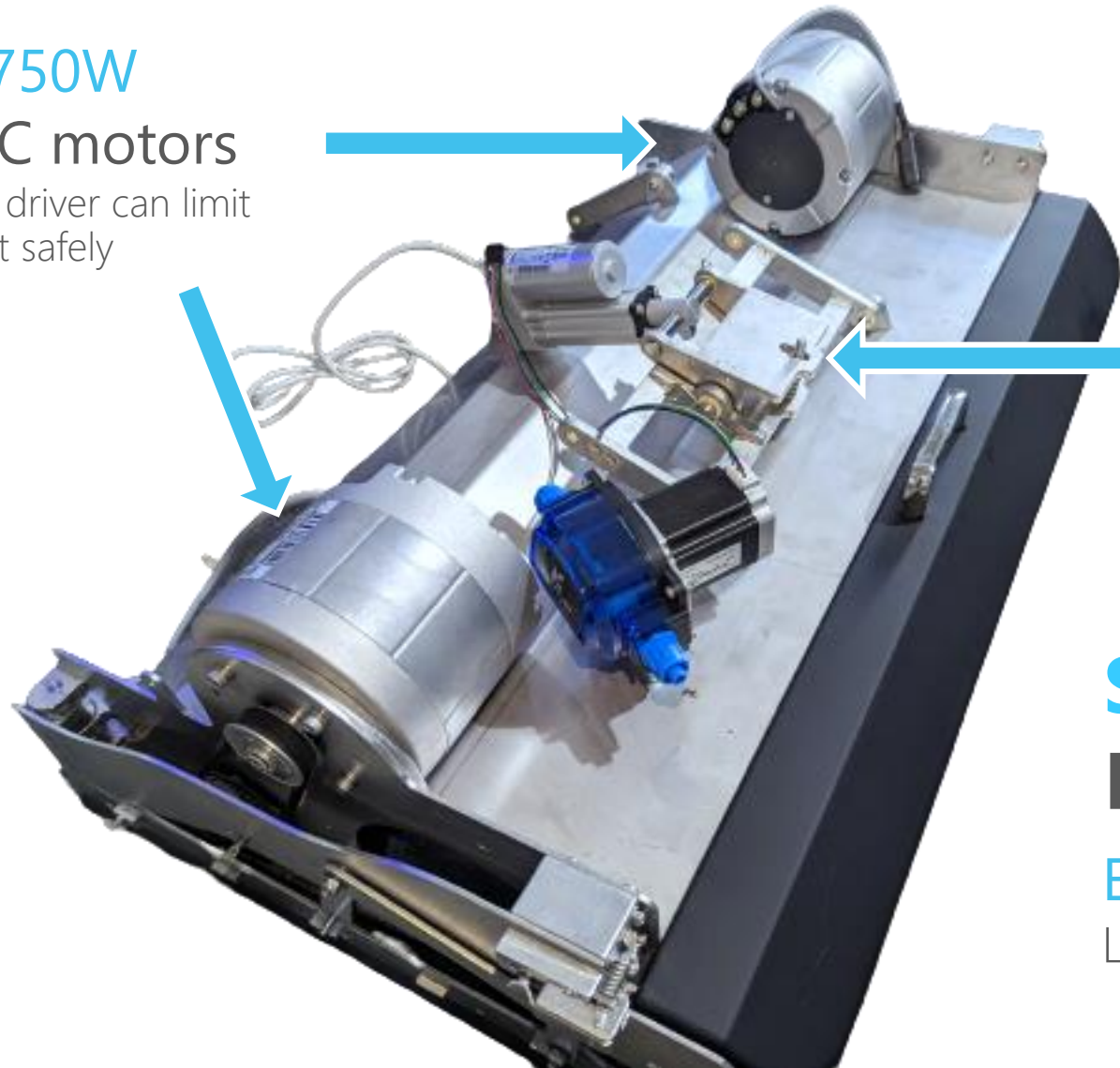
Spring Mechanism

Self adjusting brush height

**SPRING LOADED
BRUSH DECK**

Easy to Service

Less than 5 mins to remove



HIGH PERFORMANCE
BETTER CLEANING.

140 Litres

Water Tanks

Same as Rex Scrub capacity

UP TO

50%

EXTRA CAPACITY

With chemical and defoamer dosing
built into the Rex CS.



HIGH PERFORMANCE **BETTER CLEANING.**



BEFORE

AFTER

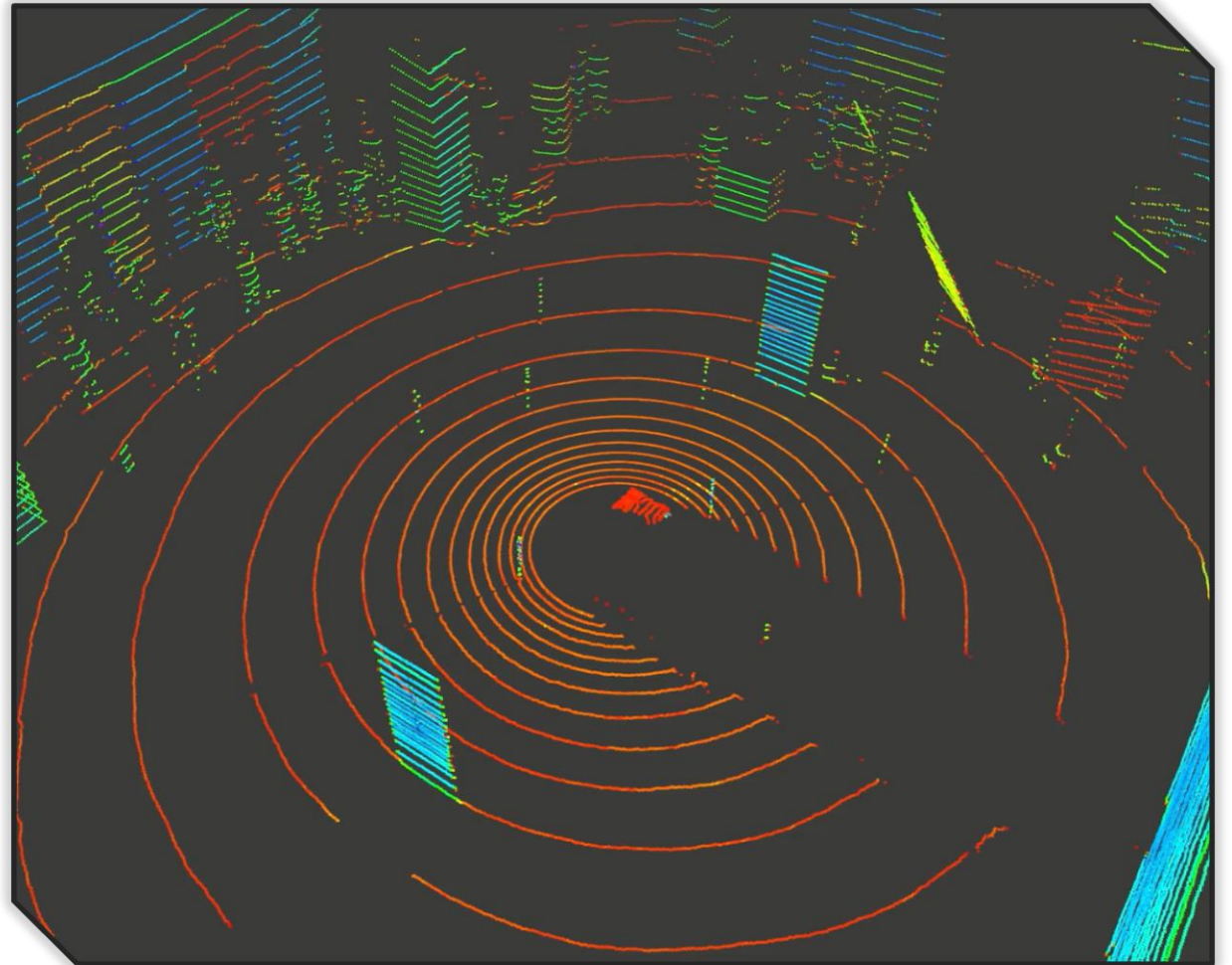


HIGH PERFORMANCE

BEST 3D LIDAR COVERAGE.

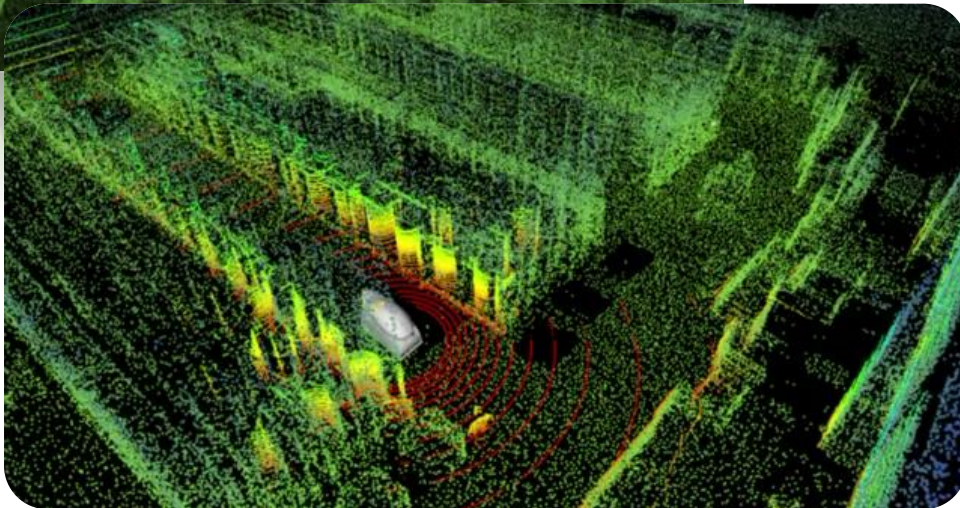
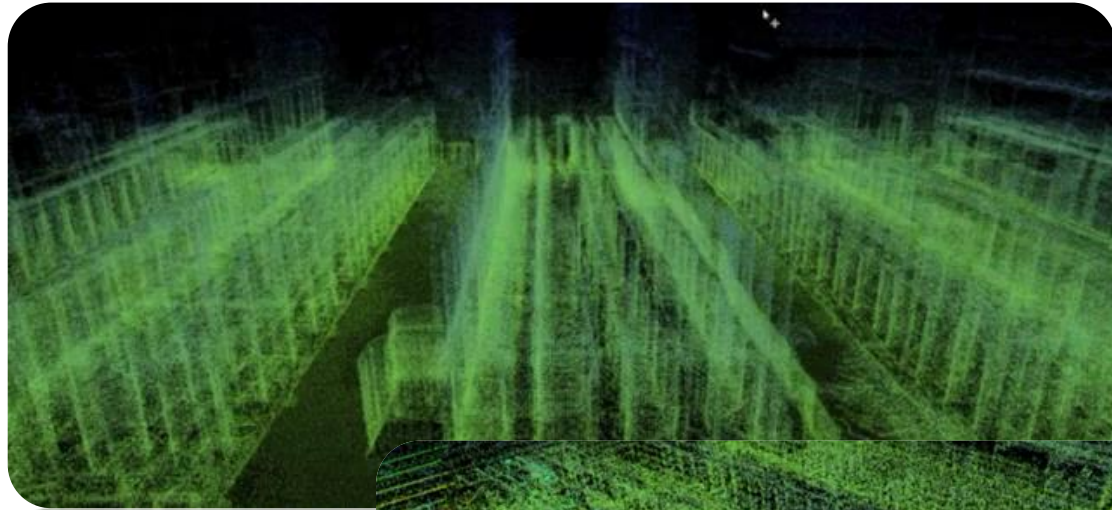
State of the art **32 Plane** **3D LIDAR Technology.**

See people, obstacles and even drones up to 200m range with unprecedented clarity. Scan and create map within a few minutes.



HIGH PERFORMANCE

BEST 3D LIDAR COVERAGE.



Now Featuring **3D SLAM Technology.**

Stable feature extraction for permanent features e.g. ceiling, high walls, pillars. Get 3D position within accuracy of 10cm, without losing localisation.

Good for large, dynamic environments

- Warehouses
- Shopping Malls
- Distribution Centres

HIGH PERFORMANCE

LONG RUNNING TIME.



3.5 hours

Runtime - Medium Settings

4.5 hours

Runtime – Light Settings

*Based on 250 Ah, J305 AGM battery

HIGH PERFORMANCE

LONG RUNNING TIME.



Easy to use battery
trolley that slides in
and out effortlessly.

HIGH PERFORMANCE **EFFICIENT CLEANING.**

**6,300 –
10,800** m²/charge

Taking into account turning during cleaning and
obstacle avoidance.





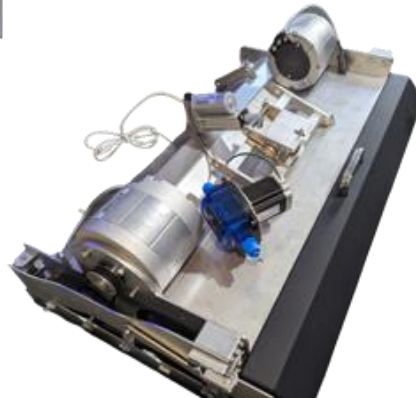
UNWAVERING RELIABILITY
ROBUST BUILD QUALITY.



BLDC motors
TWO 750W BRUSHES



Rotational molded tanks
ROBUST



Stainless steel brush deck
ANTI-RUST



Powder coated steel chassis
ANTI-CORROSION



UNWAVERING RELIABILITY
MADE IN SINGAPORE.

DESIGNED & CREATED IN **SINGAPORE**

FULL SUITE OF IN-HOUSE CAPABILITIES.
MANUFACTURED TO EXCELLENCE.

Circuit Board Design | Mechanical Design |
Proprietary **Cleaning Mechanisms**
Cloud & App Development | Nav Stack +
AI/ML | **Firmware/Systems** Integration

EASY TO USE **LIONSOS PLATFORMS.**

APP



- Notifications
- Monitoring
- Remote Control

TOUCHSCREEN



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

DASHBOARD



- Full access to entire fleet
- Centrally manage all robots
- Easy deployment to locations

EASY TO USE

EVIDENCE-BASED REPORTS.



EVIDENCE-BASED REPORTING

Generate in-depth, fact-based cleaning statistics to keep track and achieve your cleaning goals

EASY TO USE **MAINTAIN TOOL-FREE.**



Replace Back Squeegee.



Replace Side Squeegee.



Replace Side Brushes.

EASY TO USE

REFUEL STATION.

Refill, drain & charge automatically on schedule.

Required on location:

- Power
- Fresh water inlet
- Drain outlet
- 4m x 4m unobstructed area



BEYOND ROBOTS



PROJECT MANGROVE



IN A GLANCE

REX^{CS}



HIGH PERFORMANCE

Better Cleaning

- 1,270mm Cleaning Width
- 95kg Downward Pressure
- 140L Water Tanks
- 9.5L Debris Tray
- Nylon-carbide Brushes
- Chemical and Defoamer dosing as standard
- 6,300 to 10,800m² per charge

Long Running Time

- 3.5-4.5 Hours
- Quick Battery Charge
- Easy Battery Swap

Best 3D Lidar Coverage

- 200 Meter Range
- Now with 3D Slam
- Better obstacle avoidance
- No lost localisation

RELIABILITY

Built To Last

- Solid Powder Coated Steel Chassis
- Stainless Steel Brush Deck
- Roto Molded Tank
- Brushless Dual DC Motors
- Made in Singapore

EASY TO USE

Full Control With LionsOS

- App, Touchscreen, Dashboard
- Automatic Scheduling
- Evidence-based Reporting

Maintain Tool-Free

- Debris Hopper
- Side Squeegees
- Back Squeegee
- Side Brushes

Refuel Station

- Charge
- Drain
- Refill
- Automatic

SUSTAINABILITY

Project Mangrove

- One mangrove planted for every robot bought

Charity Water

- 101,920 Litres of water donated per robot



LIONSBOT



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