



Neo 2.0: The Future of Cleaning

Avidbots

1 June 2020

Proprietary & Confidential



**Avidbots Neo is the only
truly autonomous floor
cleaning and disinfection
solution with the lowest
cost of ownership.**



Meet Neo 2.0

Overview:

A fully autonomous floor scrubbing robot capable of navigation through complex and variable environments.

Technical Specs:

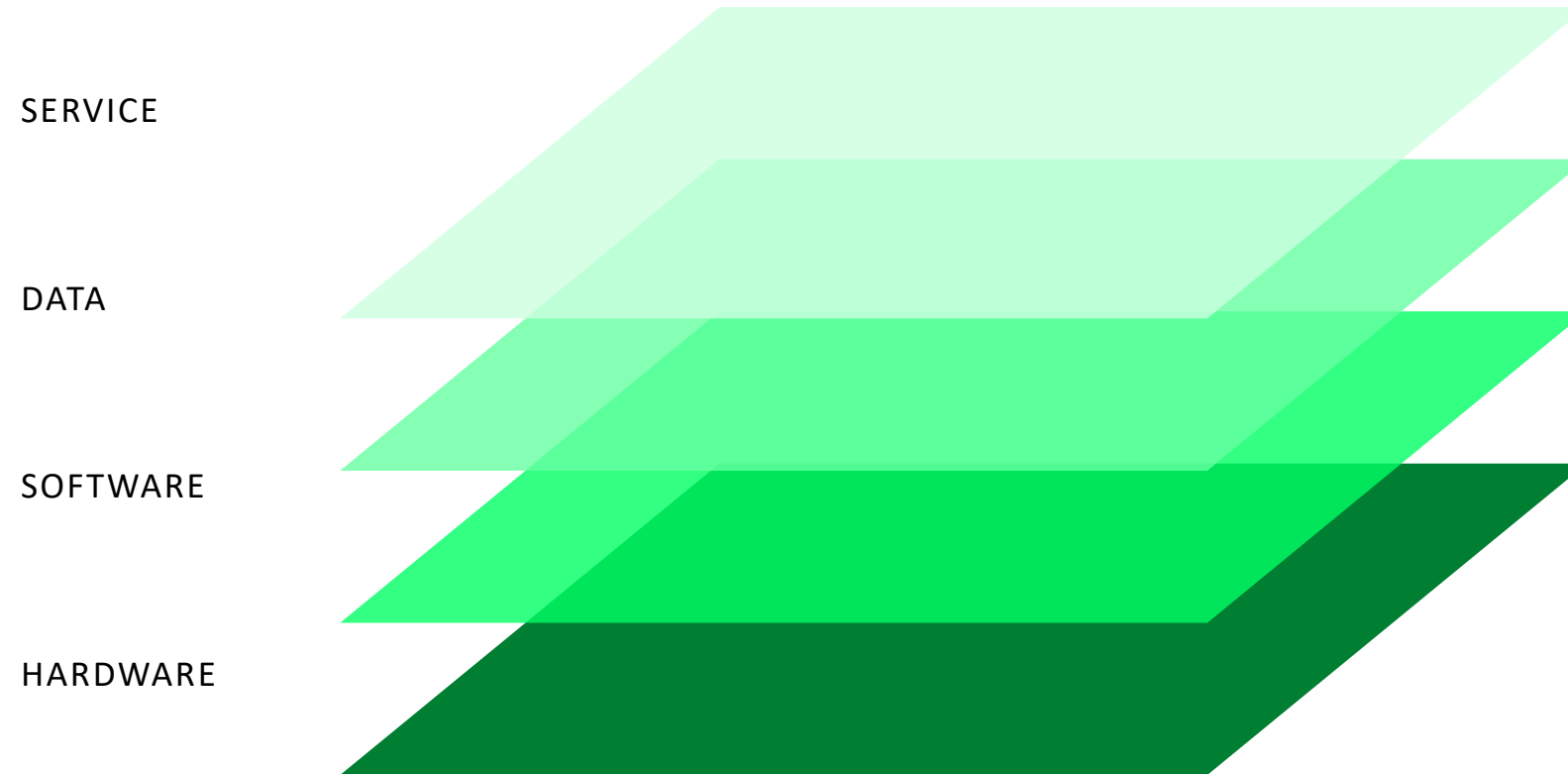
- Full 360° laser sensor visibility
- Front and side hybrid 3-D sensing and redundancy (7 x 3-D sensors, two technologies, 3m range)
- Dynamic path planning and obstacle avoidance
- Simultaneous Localization and Mapping (SLAM) accurate to within 5cm
- 4-6 hour run time
- WiFi + 4G cellular connectivity
- Software + Hardware redundant safety
- Absorbent Glass Mat (AGM) Battery





The Avidbots Advantage:

Full-stack integration delivers true Artificial Intelligence (AI).



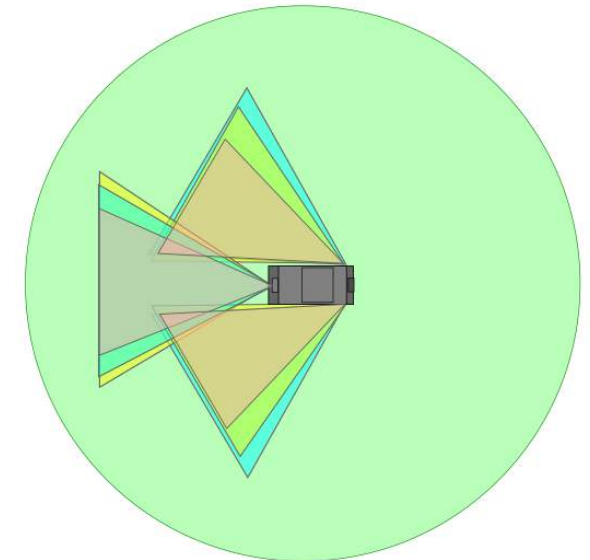
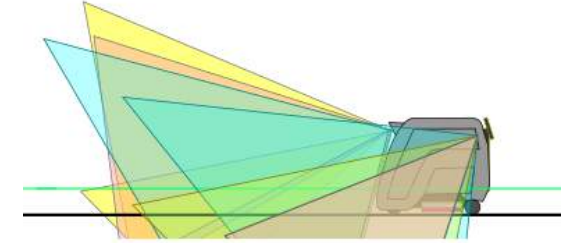


Lowest Total Cost of Ownership

Do more for less, win the battle against labor challenges

- Avidbots AI Platform
 - Dynamic path planning
 - Obstacle avoidance
 - SLAM accurate to within 5cm
- Full 360° laser sensor visibility – no blind spots
- Front and side hybrid 3D sensing and redundancy
(7 x 3D sensors, 2 technologies, 3m range)
- Advanced diagnostics
- 4-6 battery life
- Reduces labor costs and the impact of labor issues

Neo leads the industry:
14 sensors, 360° field of view





Consistent and Quality Floor Cleaning

Eliminate human variability, meet high industry expectations

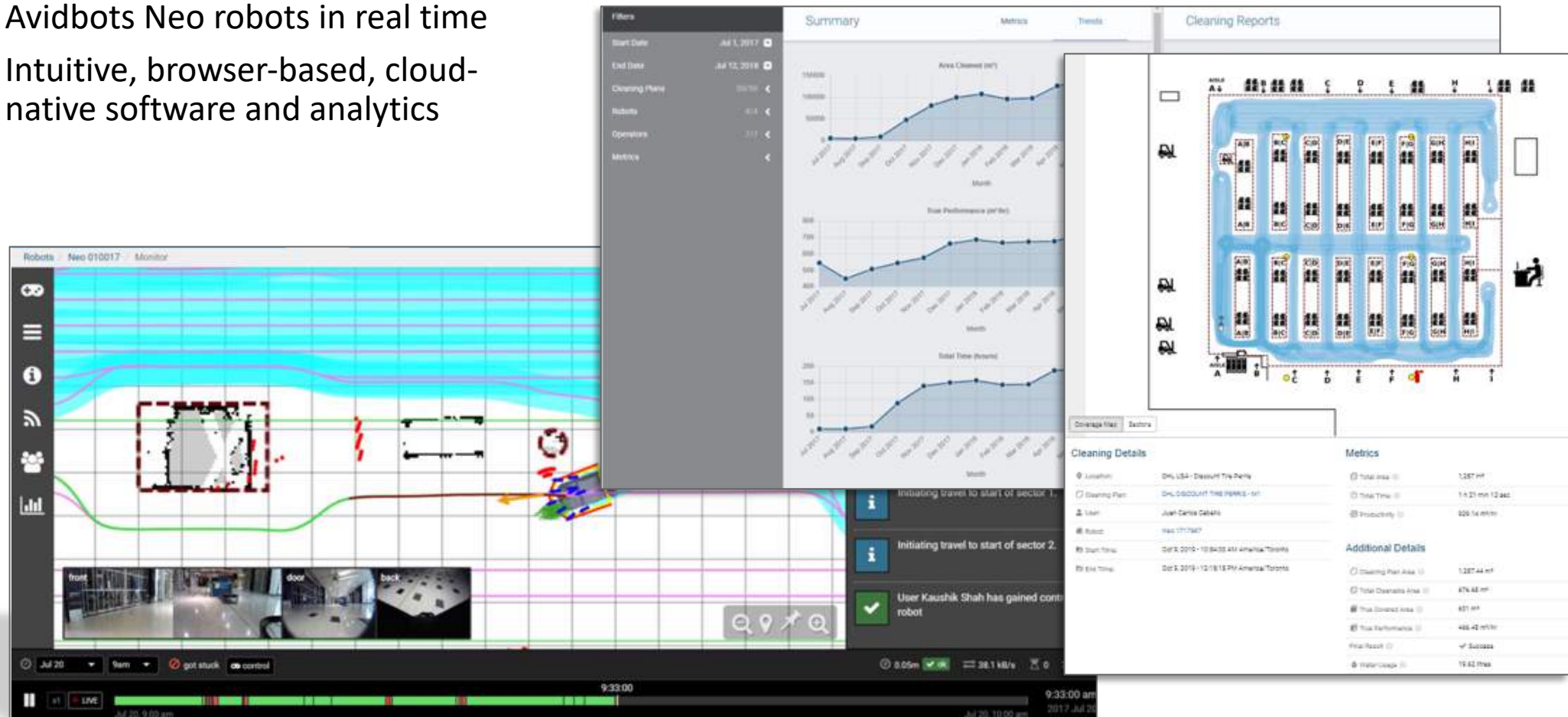
- ▶ Avidbots AI Platform enables Neo to deliver a superior and consistent clean with plans that:
 - ▶ Ensure consistent coverage
 - ▶ Dynamically update
 - ▶ Can be optimized according to seasonal changes
- ▶ Active Cleaning Controls
- ▶ Most cleaning heads in the industry including a 32" disc
- ▶ Separate clean + dirty water tanks
- ▶ High-performance squeegee system
- ▶ Compatible with industry-leading brands for cleaning pads and brushes
- ▶ Cylindrical brush cleaning head options (Q4 2020 for Neo 2.0)
- ▶ Side sweeper add-on (Q4 2020)



Avidbots Command Center Software:

The power of data to disrupt & transform cleaning

- ▶ Monitor and manage your fleet of Avidbots Neo robots in real time
- ▶ Intuitive, browser-based, cloud-native software and analytics





Avidbots Command Center

Fleet Performance Visibility, Tracking and Management

- ▶ Generates the data needed to see if you are meeting runtime, productivity and coverage goals to achieve your target ROI.
- ▶ Ensures consistent cleaning and disinfection with reports that prove it.
 - ▶ Site performance against goals and trends over time
 - ▶ Detailed coverage and productivity report for each time the robot cleans
 - ▶ Daily / weekly fleet reports
 - ▶ Live monitoring of all robots



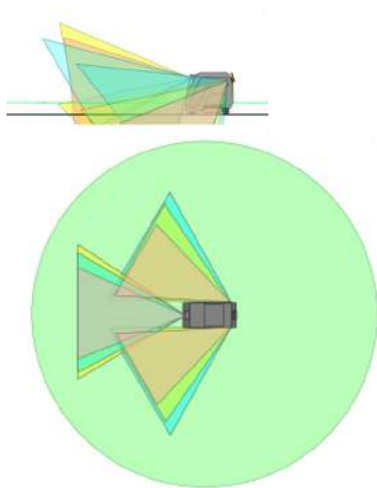
Neo 2.0

Why Use Neo 2.0?

- Reduces labor costs
- Best-in-class cleaning coverage (90%)
- Best-in-class cleaning productivity
- Superior cleaning with advanced Active Cleaning technology; helps with dust mitigation
- Increased visibility with detailed, auditable reports
- Decreased exposure to workforce issues (e.g. turnover)
- Purpose-built robot increases safety with technology
- Enhanced your brand image and visibility on cleaning ops



Greater Visibility = Greater Awareness



Neo 2.0



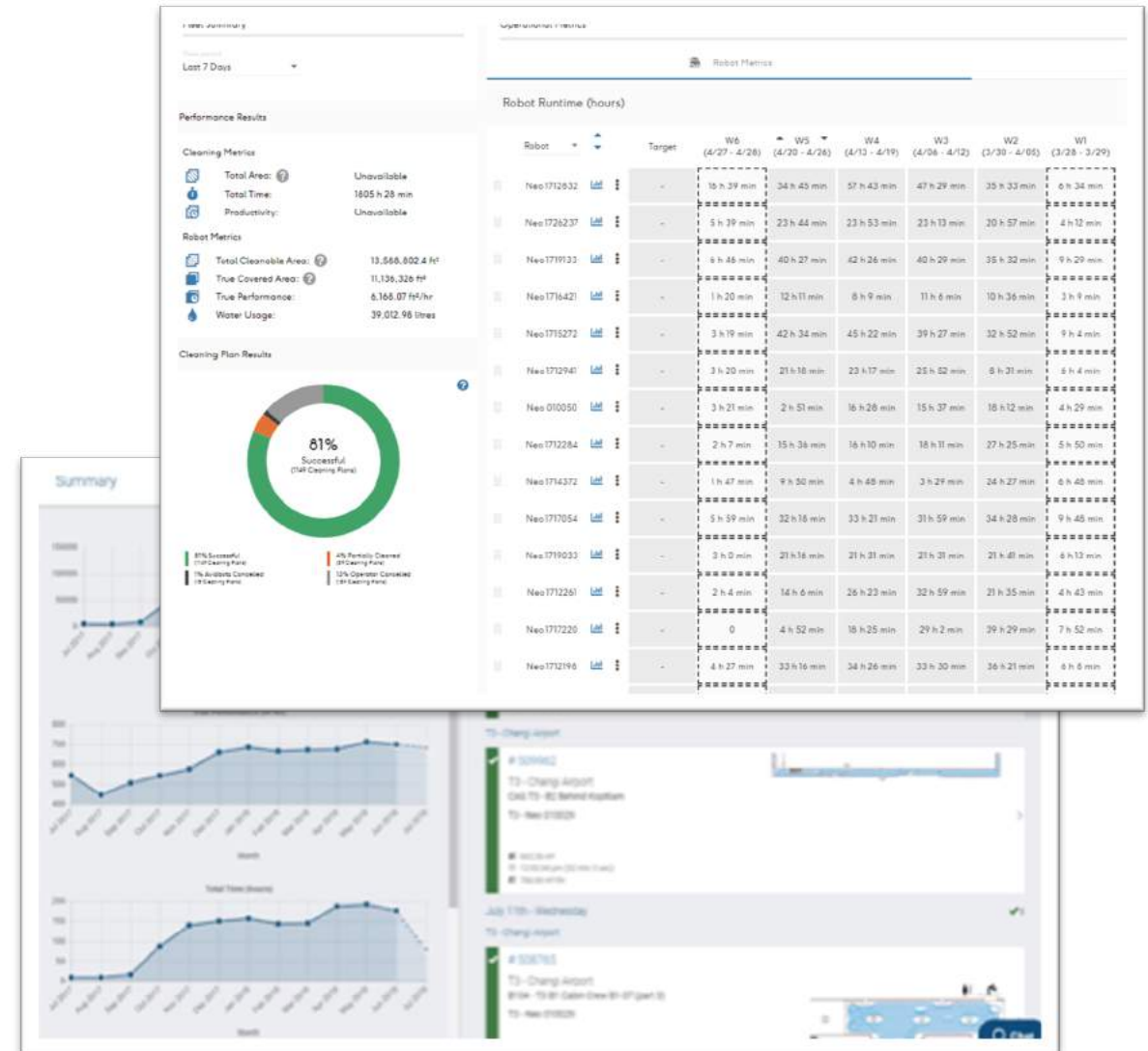
Feature	Neo 2.0
2-D Laser	Full 360°
3-D Obstacle Sensing	3-D Hybrid Redundant
3-D Sensing Coverage	Full Robot Motion

Reporting & Metrics



Avidbots: Proprietary Command Center Platform

- ROI Tracking and Fleet Dashboard tools
- Live Monitoring: Monitor and manage your fleet of Avidbots Neo robots in real time
- Reporting: Individual Cleaning Plan Reports and Performance-over-time Reports
- Software Updates & Tech Support included
- Fleet insight and analysis tools





Neo 2.0 for Transit | Real-World Examples

Category	Challenge	Neo 2.0 Solution
Dynamic Environment	There are lots of people and items on the move in a transit hub – need a robot that can navigate this difficult environment.	Neo 2.0 has the most complete sensor system out there, featuring 360° coverage which means it sees all its surroundings – it moves safely and will not hit any people/obstacles – this keeps its productivity high.
Cleaning Path	Transit hubs are always changing – you need a robot that plans dynamically and redesigns its paths as the environment changes – a robot repeating a path will get stuck.	Neo 2.0 operates with dynamic planning.
	Robot gets stuck when a path is blocked in a complex area.	Neo 2.0 knows the entire transit hub area – so it plans dynamically and intelligently – even when its not easy to.

Why Neo 2.0?



Avidbots Advantage

Neo 2.0 can **cover more square feet per hour**

Neo 2.0 has a **higher brush pad RPM**

Neo 2.0 **operates using Artificial Intelligence**

Neo 2.0 has **14 sensors and has 360° visibility**

Neo 2.0 has **Avidbots Command Center**

Neo 2.0 is an **Expandable Robotic Platform**

Neo 2.0 has **24/7 remote monitoring**

Business Impact

Better **productivity value per clean**

Delivering a **better, more efficient, clean**

Saves operators' time from **by reducing intervention**

No blind spots means Neo can operate in more environments

Real time, detailed visibility into your fleet cleaning operations

Continuous **business value-add** through simple upgrades

Preserving ROI by reducing your employee time spent with robot

Avidbots Neo

Advanced robotics. Advanced cleaning.

