

BRAINOS<sup>®</sup> AUTONOMY SERVICE:

# Autonomy built around a Brain.



# About Brain Corp

Brain Corp is the global leader in robotic AI software that powers the largest fleet of autonomous mobile robots (AMRs) operating in commercial public spaces. Global OEM partners use the company's cloud-connected platform, BrainOS®, to create scalable, self-driving robots that are used by end customers to clean floors, move inventory, and sense environmental data - turning manual operations into automated workflows. Fortune 500 brands across multiple verticals benefit from the growing portfolio of BrainOS®-powered robots and our industry leading privacy, safety and efficiency tools that make managing and scaling automation easier. Brain Corp currently powers more than 20,000 AMRs, representing the largest fleet of its kind in the world.



## What You Get for Your Subscription

BrainOS Autonomy Services helps you take control of your operations in a whole new way. From running and monitoring your machines at scale, to influencing process decisions and changes, BrainOS Autonomy Services connects it all to help you execute your workflows smarter. With this subscription you get the following:



### Robot Operation

#### "TEACH AND REPEAT" A ROBOT ROUTE

- ✓ Enables end-users to train a robot and run a route
- ✓ Patented approach with easy-to-learn, easy-to-use interface
- ✓ Simplifies deployment, accelerating time to value
- ✓ Add new routes or adjust to changing operational requirements without service calls or engineering support



### Autonomy Technology

#### OPERATING SYSTEM, AI, NAVIGATION, AND SAFETY CONTROLS

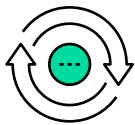
- ✓ The "Brain" that powers the robot
- ✓ Maps the static environment and enables the robot to operate on its own in complex, dynamic environments
- ✓ Evaluates the environment through sensors to determine whether an object is moving or stationary and determine the most efficient way to proceed
- ✓ Enables safe operation around people via safety architecture and controls



## Reporting & Analytics

### MOBILE APP, FLEET OPS PORTAL AND EMAIL REPORT

- ✓ New BrainOS® Mobile app lets you interact seamlessly with your robots and view critical usage data from almost anywhere
- ✓ Cloud-based portal that provides fleet level dashboard with drill down capabilities and rich reporting module
- ✓ Performance reporting and KPIs across full operational hierarchy
  - Daily usage reports show autonomous usage, operational metrics, and heat maps
  - Weekly roll-up reports provide a summary view for managers
- ✓ Configurable reporting and full data export options



## Ongoing Innovation & Updates

### NEW FEATURES, ROBOT PERFORMANCE OPTIMIZATION, AND BUG FIXES

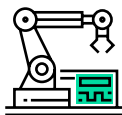
- ✓ New releases every 4 to 6 weeks, pushed over-the-air
- ✓ Access to ongoing innovation means the robot you buy will continue to improve as technology improves
- ✓ All updates provided at no additional charge



## Connectivity & Infrastructure

### ROBOT CONNECTIVITY, REMOTE DIAGNOSTICS, DATA INFRASTRUCTURE, AND STORAGE

- ✓ Enables robots to connect to the Cloud to send data and receive software updates
- ✓ Stores robot performance data to enable historical and operational reporting
- ✓ Delivers telemetry and other data to support troubleshooting
- ✓ Network monitoring to ensure uptime



## Autonomy Expertise & Know-How

- ✓ Years of real-world, robotic field experience
- ✓ 70+% of OPEX invested in R&D annually
- ✓ Over 300 robotic, AI, and autonomy patents issued and pending
- ✓ Entire engineering team dedicated to robotic platform, autonomy, and AI development



# Frequently Asked Questions

## ? Why do I need to buy a separate service?

### I thought I got everything I needed with the machine.

When you purchase a robotic machine from one of our OEM partners, that machine will operate in manual mode. BrainOS is what enables the machine to operate as an autonomous robot and is licensed to the user directly from Brain Corp. With the service you get four core capabilities: robot operation (“Teach & Repeat” a route), autonomous technology (operating system, AI, navigation, safety), reporting and analytics (cloud portal and email), and access to ongoing innovation and updates. These capabilities are offered as a separate service because it provides you flexibility to align the service to the operational life of an individual machine.

## ? What is the subscription term and what happens when the term ends?

The initial subscription term is three years after which you may renew your subscription for additional 1 year periods. The clock does not start on the individual robot term until the robot is deployed into a location. Prior to the contract end date, you will be contacted about your renewal options.

## ? I don't want to deal with two different providers to manage my robot.

Great news – you get to work directly with your chosen robot manufacturer for all purchase, deployment, and service activities. They have been trained on Brain Corp technology. Brain Corp's team of robot experts support your manufacturer for any issues or questions that arise with the autonomy service should they need help.

## ? How many feature enhancements can we expect on a regular basis?

Brain Corp invests the majority of its Operating budget (OPEX) in R&D. What this means for end-customers is a continuous innovation cycle that delivers both new features and optimization to core robotic performance. The number of features varies depending on roadmaps, but major enhancements delivered recently include:

- **BrainOS® Mobile:**

New mobile app allows operators and managers to interact and view their machines and operators from almost anywhere: Understand how they are performing, view current and historical trends, receive important notifications when routes are completed and when the machine requires an assist, and more.

- **Area-Fill:**

New, more efficient teaching methodology for open environments. This method enables an operator to teach a cleaning route simply by driving the perimeter of a space. The machine will then fill the space on its own.

- **Motion Stack 2:**

Latest in our navigational AI software that optimizes robot performance in dynamic environments, resulting in higher average route speeds and less assists.

- **Route Label Keyboard:**

Operators now can type their own labels to more easily identify and select the areas of a facility the machine will, or has, covered.

- **12 Routes per Home Marker:**

Operators can now train and run up to 12 autonomous cleaning routes per home marker, reducing the number of Home Markers that need to be placed in a facility.

- **No-Go Zones:**

Enables virtual fencing to restrict the robot's from navigating into certain areas of your facility.

## **? What types of updates can we expect for autonomous technology?**

Brain Corp leverages a continuous improvement cycle for our AI and navigation technology. With any autonomous technology, real world experience is critical to capturing and understanding edge cases. BrainOS powered robots have more autonomous hours of operation and coverage in indoor public spaces than any other commercial platform, which is essential to fueling ongoing AI innovation and performance improvements that are sent to customers in the form of software updates. Other robotic platforms with less robots in the field may not know how to handle many "real world" situations because the fleet has not yet encountered these edge cases.

## **? Can I use my business cellular contract? Do you have a WiFi option?**

Brain Corp provides connectivity across all the major carriers – so if a particular location has a challenge with one provider, it automatically routes to another provider. This is important as you consider the range of site locations across your company and connectivity for those specific sites. In addition, when the robots offload data, the data packets can be very large depending on the specific use case or situation. Brain Corp is able to secure favorable rates because of our scale, which is just one more way your company benefits from the size of the BrainOS-powered fleet.



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