

BRAINOS<sup>®</sup> AUTONOMY SERVICES:

**Proven. Trusted. Safe.**



# About Brain Corp

Brain Corp is an AI software leader that powers the world’s largest fleet of autonomous mobile robots operating in public spaces. The BrainOS® platform and its cloud-connected autonomy service are used by global manufacturing partners to successfully build, deploy, and support commercial robots at scale across industries and applications. With over 16,000 robots and more than 5 million autonomous operational hours in the field, BrainOS powered robots have been proven to scale and function safely across a range of operating environments.



## What You Get for Your Subscription

When you purchase a BrainOS-powered robot from one of Brain Corp’s partners, you also purchase a separate software subscription license to the BrainOS Autonomy Services. 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

Fleet management portal and email report subscriptions

- ✓ 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

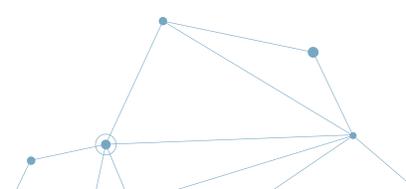
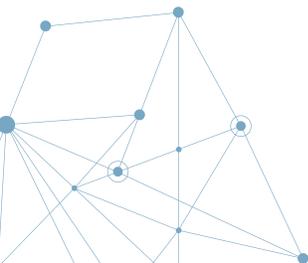
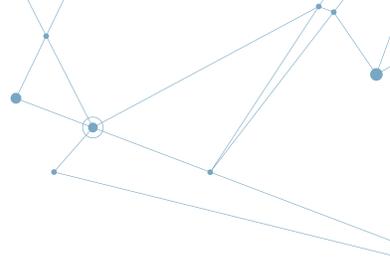
Robot connectivity, remote diagnostics, data infrastructure and storage

- ✓ 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

- ✓ Over six years of real-world, robotic field experience
- ✓ 70+% of OPEX invested in R&D annually
- ✓ Over 330 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. 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.

Good 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:

- **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.

- **Consecutive routes:**

Enables you to link multiple routes together (on the same home marker) to maximize cleaning.

- **Daily machine reminder:**

UI screen to remind the operator of machine maintenance/upkeep to minimize maintenance disruption caused by water tank, battery and dirty sensors.

- **Route repeat:**  
Enables machine to repeatedly clean a specified route in case of frequently soiled areas (front entry) or areas that need deep cleaning (deli/food section).
- **New KPI metric dashboard:**  
New graphical view provides roll-up and graphical overview of floor scrubber KPIs and different export options.
- **Portal & email report Internationalization:**  
Supports a range of languages, units of measurement, and data/time formats.
- **New email report templates & architecture:**  
Improved usability and delivery speed.
- **Report Module 2.0:**  
New look and feel, and three new report types to help end-users understand and optimize performance.

### **? 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. Because BrainOS powers the largest fleet of AMRs in public spaces, we see a wide variety of operating scenarios and edge cases. As edge cases are exposed, that data is provided to our engineering team so that they can tune and adjust the technology. This means that while one robot may have been exposed to the situation, all the robots will benefit from the optimization when it is developed and deployed over-the-air to the BrainOS-powered fleet. It is important to note that a provider with only several hundred robots in the field may not know how to handle many “real world” situations because the fleet is too small and 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. A typical cellular plan for a corporation does not contemplate this volume of data. Brain Corp is able to secure favorable rates because of our scale. Your company benefits from the size of the BrainOS-powered fleet. We do not currently have a WiFi option.



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