



at Global Scale
Robot Operations



Executives

Get an instant view of the business through key performance indicators



Operators

Optimize robot fleet utilization and meet SLAs, monitor and resolve problems in real time



Engineers

Continuously improve robot software with actionable field data for root cause analysis

To learn more:

Intro to InOrbit:
inorbit.ai/hooli-robotics

Short videos of platform capabilities:
inorbit.ai/watchdemo

Schedule a personalized demo:
inorbit.ai/demo

Maximize the potential of every robot

InOrbit provides a platform for robot operations (RobOps), enabling companies to improve the efficiency of their fleet while focusing on their unique differentiators.

The platform spans secure robot connectivity, data observability, low latency messaging to trigger actions, and data analytics for continuous robotics improvement.

How it works:

1. **Simple to get started.** Robotics stack-agnostic agent for observability in under one minute with one line of code.
2. **Ease of integration/use.** APIs and dashboards to track incidents, get real-time analytics and trigger actions.
3. **Scales with your business.** Infrastructure with high availability supports robot fleets from a handful to thousands.

InOrbit brings DevOps best practices to robotics fleets, enabling efficient operations by reducing time-to-resolution, improving robot utilization and driving key performance indicators.

The secure cloud infrastructure and seamless connectivity ensure effortless deployment. In 2020, InOrbit covered 5+ million hours of active robot operations in mission critical production environments.

InOrbit helps solve recurring robot management needs, allowing customers to focus on their key differentiators, while dramatically reducing operational costs and driving ROI.





Flexible Infrastructure

Robot Agnostic Agent	Establishes a secure, reliable, bi-directional channel between robots and the cloud
Adaptive Diagnostics	Dynamic sampling rate and data resolution of data sources to optimize for addressing issues
API Access	Access to the full set of cloud APIs for robot and operator data



End-to-End Security

Secure Messaging Infrastructure	Secure transfer based on best practice encryption and walled off access to ensure data is not exposed beyond a single customer account
Role-Based Access Control	Within a given account, predefined roles for access to configuration and actions
Custom Roles	Fine-grained custom roles enable increased security by limiting access to select data based on need-to-know and team organization
Single Sign-On	Integration with internal corporate login system
Secure Data Pipes	Ability to send/receive application-specific data securely between cloud and robot, leveraging InOrbit's secure messaging infrastructure



Real-Time Analytics

Real Time Analytics	Spectrum ranging from high-level KPIs, to slice/dice fleet visualization and drill-down to individual robot data/metrics
Fleet Management	Instant view of the fleet regardless of size, grouping and filtering by different criteria
Extensive Configuration	Deep set of intuitive settings to configure robots and sensors, navigation, data, incidents, actions, and how robots and people are organized
Configurable Dashboards	Customizable dashboards for specific roles and tasks to personalize the user experience
Widget Library	Select from a rich set of visualization and interactive controls for robots and fleets
Embedded Dashboards	No-code embeddable/skinnable dashboards for easy creation of custom, white-labeled customer experiences



Navigation

Navigation	Intuitive interface for tracking robot position, getting situational awareness and relocalizing a robot as needed
Teleoperation	Controls to enable operators to get the robot to complete specific tasks and get it back to autonomous operations
Advanced Teleoperation	Virtual/hardware joystick support and Precision Teleop for fine-grained movement controls
Multiple Maps Support	Provision maps via cloud API or robot API, support switching between maps



Incident Management

Incident Management	Detect and notify when a robot is not working within pre-defined operating parameters, track key incident resolution metrics.
Remote Actions	Built-in or custom scripted actions to be recommended or automatically invoked based on tracked incident triggers
Integrations	Out-of-box integrations with supported off-the-shelf software, e.g. Slack and OpsGenie for incident management.
Robot Lock	Ensure only one user at a time can send certain actions to a robot to avoid conflicts



Continuous Improvement

Audit Log	Track user and system activity in a filterable list with in time order with timestamps.
Time Capsule	Analyze robot behavior across an extended time range or zoom in on an incident with detailed before and after information