

INSPECTION

# Central command center for robotic fleets

Gather together all the robot and sensor, video, and telemetry data needed to actively monitor inspections, review and root-cause issues, and analyze trends for preventative actions.



Conducting routine inspections is a time-consuming but critical activity to ensure your operation runs smoothly. Organizations are looking to robotics as a way to improve the accuracy and consistency of inspections while at the same time reducing costs.

Investing in a robot is just the first half of the equation. Leveraging robotics for inspections improves the safety and efficiency of your staff, but adding a data and operations platform to manage your robotic fleet delivers economies of scale through centralized operations, predictive analytics, and teleoperations.

Formant data and operations platform serves as the command center for robotic operations. Gather together all the robot and sensor, video, and telemetry data needed to actively monitor inspections, review and root-cause issues, and analyze trends for preventative actions. Centralizing these activities maximizes the efficiency of your skill investigators and engineers and minimizes the time spent traveling to conduct routine inspections.



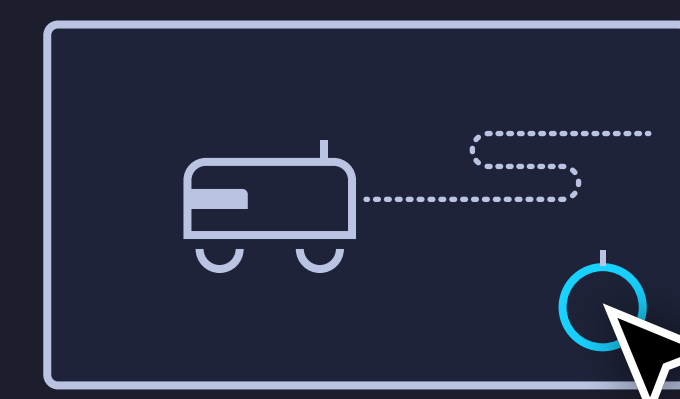
## Centralize inspection resources

Inspectors can review audio, video, sensor readings, and telemetry data of a routine inspection or an ad-hoc investigation in real-time or after the fact, from a centralized location, no travel required.



## Reduce the cost of on-site visits

Do the initial investigation and diagnoses remotely, empowering your team with the information, resources, and parts needed to resolve the issue on the first trip.



## Remote command and control

Leverage robotic resources already on-site to do an initial investigation reducing the volume of on-site visits required and improving the efficiency when they are.





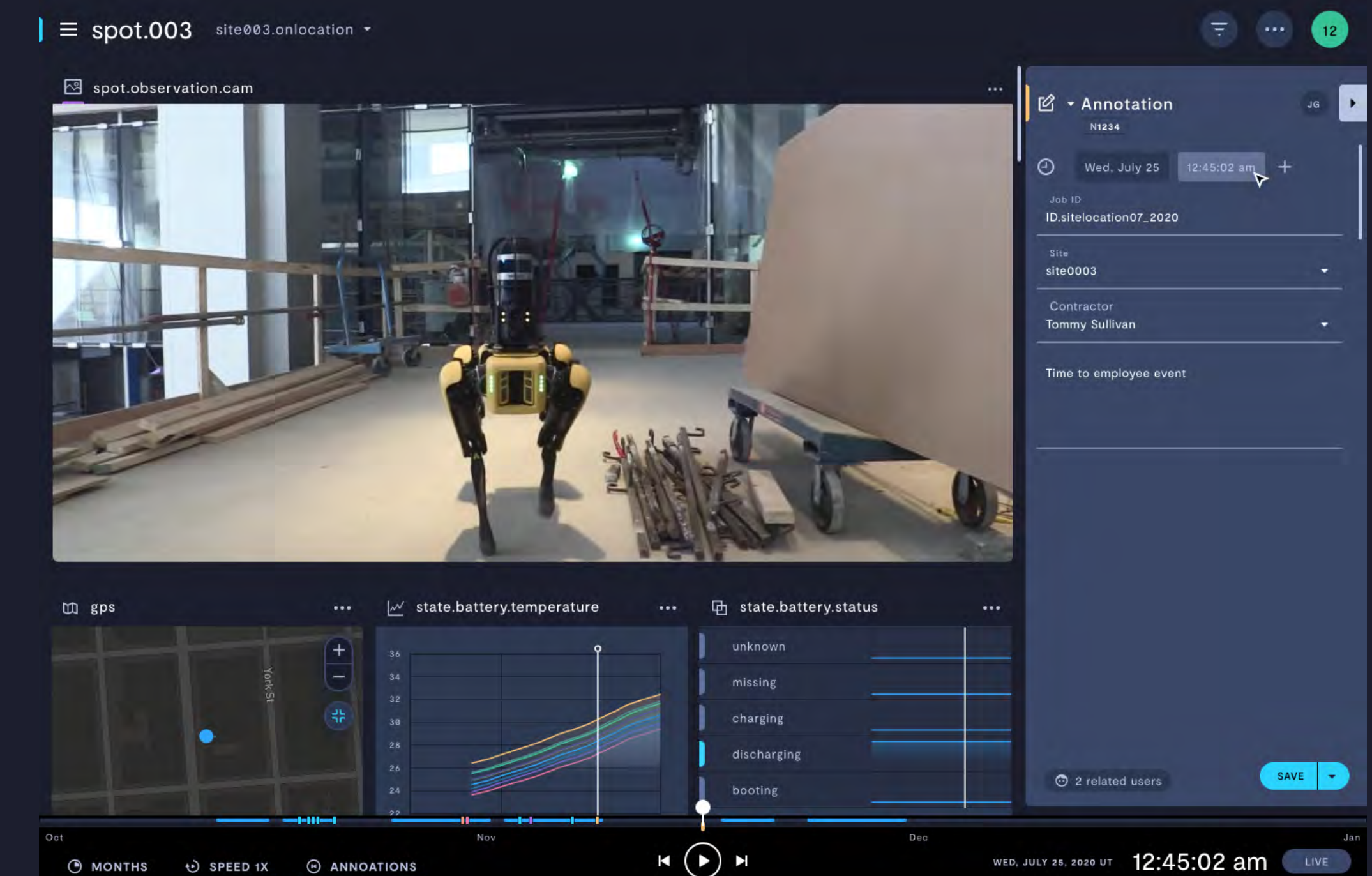
# Robots improve employee safety, centralized operations improves unit economics.

## Centralize inspection resources

The Formant observability dashboard provides an easy way to review all the data captured in context. View an inspection in real-time, or rewind and review at high speed. Inspectors can make notes and even flag areas of interest for engineering all within the Formant software.

Formant amplifies the value of robots by removing the need for inspectors to be on-site. Delivering the site to the inspector by bringing a rich set of audio, video, and sensor data to be reviewed and acted on quickly and efficiently.

- Visualize 100's of datatypes
- Ingest data from 3rd party devices and sensors
- Capture site video to provide a 3rd party perspective to the data
- Leverage alert triggered workflows, automating actions and alerting inspectors



## Reduce the cost of on-site visits

Whether the issue is something found in a routine inspection or a problem with the robot itself, Formant can help you review, troubleshoot, and root-cause the issue remotely. Having all inspection data available for remote review empowers the team to be as prepared as possible prior to arriving on site. By having this data before they initially deploy, they are eliminating steps and possibly multiple on-site visits, that add to the costs to maintain the sites.

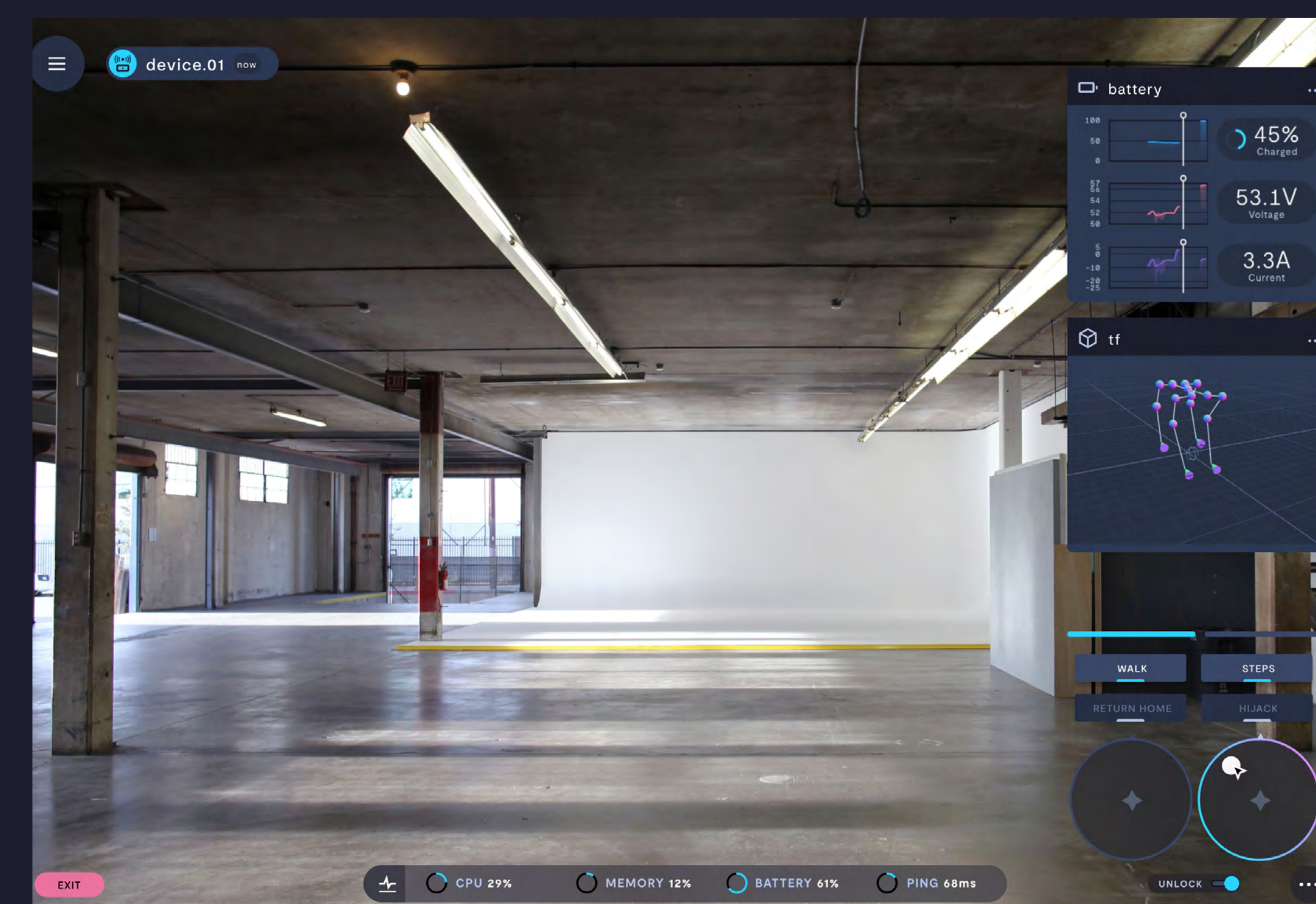
- Root-cause an issue remotely and review data in context
- Ad hoc investigations can be done by the robot remotely through teleoperation
- Pull diagnostics and logs from the robot remotely
- Direct access to robot's command line for real-time debugging



## Remote command and control

Robots in unstructured environments encounter situations where guidance and support are required. Operators need to be able to quickly and easily understand the issue and provide instructions to the robot to get it back on mission. Formant offers a peer-to-peer, low latency connection to view or teleoperate your robot in real-time. Whether it is an obstacle in the path or an alert that a sensor is out of range, an operator can act quickly to remedy the situation without leaving their office.

- See and hear what the robot does with a real-time, low latency remote connection
- Overcome connectivity issues by leveraging a local webRTC connection
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**Formant** helps robot service providers manage fleets centrally, respond to issues remotely, and scale operations cost-effectively.

schedule a demo  
**info@formant.io**