The ambulance ecosystem
For emergency response services like EMS, asset tracking and monitoring of ambulances is critical to save precious time and improve fleet management. While industry-specific ambulance tracking solutions have historically been filled with basic “off-the-shelf” trackers with capabilities limited to location tracking and mapping, Particle’s next-generation intelligent Tracking System allows companies to locate vehicles with GNSS, monitor parameters like driver’s speed, and enable effective GPS route management via real-time traffic information on scheduled routes.

Ambulances + IoT = success
Many companies have started harnessing the power of IoT technology to monitor ambulance performance and unlock preventative maintenance capabilities. By connecting ambulances to the Internet, companies can collect actionable data from anywhere in the world and use this information to improve reliability, prevent accidents, and improve operations.

Monitor performance
- Identify trends and diagnose problems wirelessly

Realtime alerts
- Set up real-time alerts to detect malfunctions before they happen

Improve operations
- Improve reliability and safety by collecting data on operations

Temperature
Usage
Power
Mechanics
Monitoring

Connected solutions provide operators with the data they need to proactively diagnose maintenance issues and dispatch the right service to customer properties. These sensors help curtail maintenance issues before they get worse, which helps companies improve customer satisfaction and decrease service costs.
Particle simplifies asset tracking

There are many asset tracking software solutions out there that organizations can use, but if you’re looking for a simple solution that is field-ready and customizable, Particle offers a unique solution to help simplify your operations.

The **Particle Tracking System** is an integrated asset management solution that provides everything you need to monitor your high-value ambulances.

Our Tracking Services comes with a **software suite** that is pre-built with geolocation services and configuration capabilities for defining fleet-wide behaviors.

Our Tracking Services also power our two hardware products (**Tracker SoM** and **Tracker One**), which are purpose-built for intelligent vehicle tracking regardless of the environment.

**Track everything about your ambulances with asset tracking+**

Most asset tracking systems on the market only allow you to track location. However, the most competitive systems go well beyond GPS functionality.

With the Particle Tracking System, you can monitor more than the current location of your assets. You can track additional variables to improve business operations.

By attaching additional sensors to the Tracker One, businesses can monitor other variables such as motion, sound levels, weather conditions, voltage, battery life, and more.
Advanced configuration services

Out-of-the-box solutions might work for basic tracking needs, but dynamic companies need to be able to customize their tracking solutions even after deployment. That’s why companies need a tracking system that allows them to customize and configure their tracking solution for their use case. Some essential features that are often needed:

- **OTA firmware updates** – OTA firmware enables companies to augment scalability by adding new features and infrastructure to products after they are released.

- **Fleetwide configuration settings** – Fleetwide configuration features enables companies to optimize their tracking product for their use case without having to write any code.

With the Particle Tracking System, you can send realtime firmware updates to your assets with just a click of a button. You can also use our configuration services to customize your tracking capabilities without having to write any code. With these services, companies can optimize the Tracking System for their specific use case. Balancing critical monitoring insights with power and data consumption, device wake-up on motion or crash detection, and more, can be accomplished by configuring data publishing rates and triggers. All of this, and more, can be done via the Particle Console.
Particle Tracking System features
The Particle Tracking System is an integrated suite that provides everything you need to monitor and manage your high-value assets.

- **Realtime location services** – Monitor realtime and historical asset location with geolocation mapping services.
- **Asset Tracking+** – The Particle Tracking System is designed to integrate with any external sensor, enabling your business to track asset location, along with any additional variable such as temperature, sound, motion, air quality, and more.
- **Field-ready & customizable** – Particle provides field-ready tracking solutions for immediate deployment and customizable tracking for sophisticated solutions.
- **Configuration services** – Customize data publishing rates or setup motion detection alerts with ease. You can push immediate firmware updates to your device fleets without having to write any code with our configuration services.

Particle simplifies ambulance management
Particle has helped many companies (like Jacuzzi, Watsco, and Opti) build smart solutions that increase visibility and improve compliance.

As a trusted enabler, Particle can help you manage your smart solutions to significantly improve service and customer experiences, while maintaining compliance.

Contact Particle
If you are looking to build profitable IoT solutions, consult our team of experts at Particle.io/sales

Get Started
If you are looking to build your own smart IoT solution, visit the Particle Store