

# LIDAR USA ACHIEVES GREATER LOCATION ACCURACY ON THE GROUND AND IN THE AIR WITH HONEYWELL IMU

Honeywell's HG4930 MEMS inertial measurement unit improves location accuracy for LiDAR USA and its surveying and mapping customers.

## OVERVIEW

LiDAR USA integrates and manufactures high-performance LiDAR systems and mapping software on unmanned aerial vehicles (UAVs) and ground vehicles that are used for surveying and mapping. When looking for a high-performance and cost-efficient inertial measurement unit to pair with its wide range of offerings, finding a scalable and proven navigation solution to meet their customers' needs was paramount. After extensive testing and customer feedback, LiDAR USA chose Honeywell's HG4930 MEMS inertial measurement unit.

## Honeywell Aerospace

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## QUICK FACTS

### Customer

- Name: LiDAR USA
- Location: Hartselle, AL
- Industry: LiDAR
- Website: www.lidarusa.com

### Honeywell Solution

- HG4930 MEMS Inertial Measurement Unit

### Why LiDAR Chose Honeywell

- Highly-accurate and compact IMU at a great value
- Exceeds performance specifications and is easy to implement across different LiDAR systems
- Customer support and application engineering guidance during integration

### Customer Results

- Improved location accuracy in dense forests, highways, bridges and urban areas
- Reduced cost to be able to provide an affordable option to LiDAR USA customers
- Delivered scalable solution for multiple LiDAR systems



“

We don't need a million-dollar INS. We need an inertial measurement unit that gets the job done and Honeywell's HG4930 does just that. It's lightweight, easy to work with and it's our preferred choice. It gives you high-end performance without a high-end price tag.”

Jeff Fagerman, CEO, Founder,  
LiDAR USA



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IS  
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