

ATLAS: The Spatial Intelligence Platform

Transforming Industrial Manufacturing, Training and Sustainment using AI.

- GridRaster offers unmatched precision alignment of digital twins to real-life objects, and only requires commercially available hardware to perform high-poly spatial mapping and scanning.
- Keep 3D data safe with our industry-leading security standards, leaving zero data on-device at rest.
- Enhance accuracy and defect classification in inspection and maintenance workflows
- Leverage AR-guided instructions and automated inspections to reduce errors and accelerate maintenance processes.

DIGITAL TWIN CREATION

INSPECTION & QUALITY

TRAINING & SIMULATIONS

ROBOTICS & AUTOMATION



USE CASE: CRACK DETECTION & CLASSIFICATION

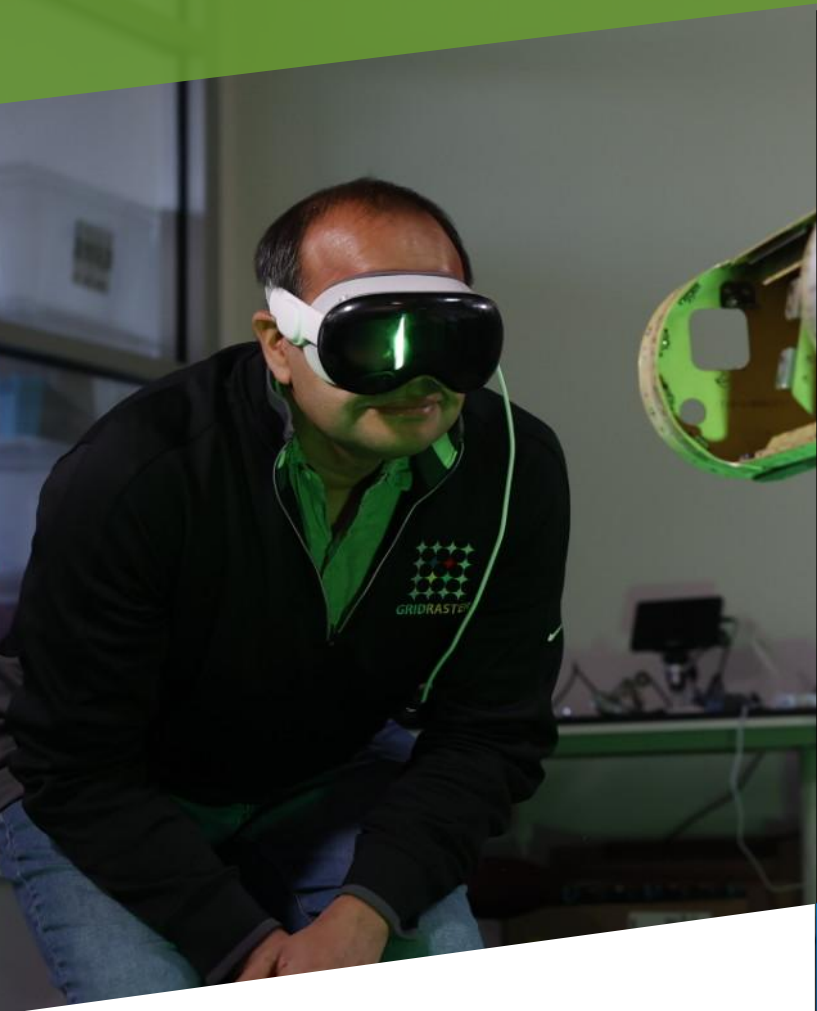
GridRaster introduced a new critical use case for non-destructive testing, revolutionizing inspection and maintenance workflows. This powerful new feature provides automatic crack detection and classification, eliminating the need for manual inspection and costly equipment.

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ATLAS Platform Technology

Multimodal AI for Spatial Understanding, Tracking, and Augmentation

ATLAS (Automatic Tracking, Localization, and Augmentation System) is GridRaster's advanced spatial mapping and AI platform, purpose-built to power next-generation industrial and defense applications.

ATLAS integrates foundational AI models with customer specific data and environments, enabling highly adaptable, intelligent systems that deliver real-time spatial awareness and dynamic task automation.

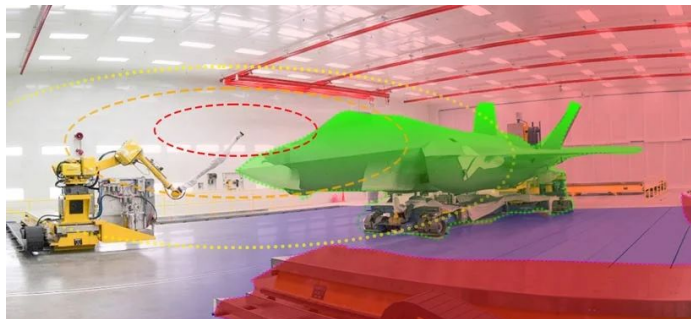
Cross-Device Compatibility: Supports Apple Vision Pro, iOS, Microsoft HoloLens, Android XR

Cybersecure by Design: Fully compliant with DevSecOps and government cybersecurity standards

Customer Data Sovereignty: Deployable on-premises, or on secure government/private cloud — your data, your control

"...from hours to less than 10 minutes!"

- Aircraft Maintenance Technician, United States Air Force



KEY USE CASE: ROBOTICS & AUTOMATION

ATLAS uses COTS devices to create precise 3D digital twins, enabling real-time object recognition, auto-segmentation, and optimized robotic pathways for dynamic industrial automation in harsh environments like painting and high-speed manufacturing. Its advanced spatial awareness ensures safe human-machine collaboration, minimizing injuries and boosting productivity in complex workflows.

Our Team

At our core, we are devout technologists with a combined experience of 50+ years in building, deploying and taking to market next-generation mobile and network-based products.

We have shaped some of the defining technologies such as 3G/4G/VOIP/Optical, computer graphics, cloud computing, AI, wireless infrastructure, optical, mobile and software development (14 patents) to shape the future of AR experiences.



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