

TECH
mahindra
ALTAVEC



TELECOMMUNICATIONS

Altavec Solutions

2023/2024

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ABOUT ALTAVEC

Altavec specialises in cutting-edge mobile and spatial technology solutions for utilities, transport, telecom, and infrastructure. With an unwavering commitment to excellence and decades of expertise in asset and data management, we've established strong global partnerships that fuel our mission to empower businesses with actionable intelligence.

Our solutions are designed to revolutionise the way you capture, manage, and analyse asset data for actionable intelligence. Through our pioneering AIMS platform, Advancing Intelligent Mapping Solutions, we empower businesses to make informed, data-driven decisions by providing innovative digital solutions.

At Altavec, we are guided by a clear vision: to enable our customers to enhance end-to-end productivity, safety, compliance, collaboration, and performance in asset management. Our comprehensive suite of services includes mobile workforce management, asset capture, spatial intelligence, and analytics. We place a premium on research and development to stay at the forefront of industry best practices. We actively collaborate with industry leaders, ensuring that our intelligent digital solutions are always evolving. Altavec continues to be a reliable partner for businesses seeking enhanced asset intelligence solutions.

Discover the future of asset intelligence with Altavec

AIMS CAPTURE

Altavec sets a new standard in asset information capture by seamlessly combining high-resolution image capture, panoramic image capture, and LiDAR data. This capability allows for a holistic and comprehensive approach to data collection, providing an unparalleled level of detail and accuracy. With our advanced technology, Altavec enables the digitisation and transformation of your network. Our integrated system seamlessly combines ultra-high-resolution imagery with precision spatial data, offering the digital visualisation of physical assets from the safety and convenience of your office.



GROUND



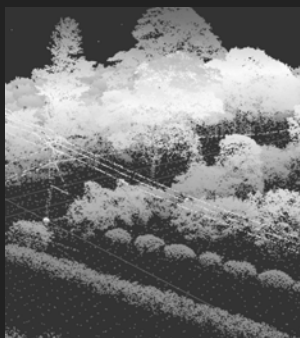
DRONE



HELICOPTER



FIXED-WING



LIDAR POINT CLOUD

- Large Scale Highly Accurate 3D Point Cloud Data
- Classified LiDAR Data
- Elevation & Topography Data Sets
- Vegetation Management Data



HI-RESOLUTION IMAGERY

- Perfect for Asset Assessment
- Create Machine Learning Models
- Generate 3D Asset Mesh Models



PANORAMA 360° IMAGERY

- Map your Network Assets
- Create Points of Interest
- Scope the Asset Environment
- Assess Traffic Management Requirements
- Measure Lines, Area, Radius



ORTHORECTIFIED IMAGERY

- Georeferenced geospatial aerial Imagery
- Measure Lines, Area, Radius
- Explore Highly Detailed Aerial Maps

DIGITAL MODEL

Our digital model serves as the comprehensive tool that encompasses all pertinent elements for ensuring the dependable, streamlined, and secure planning, construction, operation, and maintenance of field based assets.

KEY FEATURES

- Visualise classified LiDAR Data, elevation, surface models and imagery in a single platform
- Simplify the combining of spatial and business critical data
- Perform CM accurate measurements from imagery and 3D Models
- Assess assets and the surrounding environment using Altavec's 3D model
- Create, Edit, Import data and manage data access
- Share data and actionable insights for informed decision making

BUSINESS BENEFITS

- ✓ Optimise the civil & structural engineering design process
- ✓ Maximise maintenance & inspection planning
- ✓ Enhance strategy development, performance management and investment planning
- ✓ Immersive visualisation democratising business critical data
- ✓ Simulate and model asset performance

ACHIEVED WITH

- AIMS CAPTURE
- AIMS CLEARANCE
- AIMS 3D

ASSET MANAGEMENT

In the dynamic and ever-evolving landscape of asset management, Altavec offers a powerful solution that addresses the challenges posed by dispersed teams, multiple stakeholders, and the demand for seamless integration. Altavec's asset management solution provides asset owners with a comprehensive toolkit, combining the capabilities of LiDAR, imagery, and 3D models, enabling efficient asset management, risk identification, and proactive maintenance programs.

KEY FEATURES

- ➔ Actionable insights and reports of asset risks and defects
- ➔ Easy identification of assets on mobile towers
- ➔ Predictive asset insights to inform preventative maintenance programs
- ➔ Combine hi-resolution imagery with thermal data for optimised asset performance
- ➔ Automated job creation and reports for maintenance contractors
- ➔ Detailed & precise information of asset installation and tower capacity
- ➔ Advanced machine learning classification for asset identification and automated risk detection

BUSINESS BENEFITS

- ✓ Enhanced visualisation and predictive analysis with 3D models
- ✓ OPEX and CAPEX savings through informed decision making
- ✓ Increased asset performance and reliability
- ✓ Accurate asset information optimising return on investment
- ✓ Safety and accuracy

ACHIEVED WITH

- ⌘ AIMS CAPTURE
- ⌘ AIMS CLEARANCE
- ⌘ AIMS VAA

LONE WORKER SAFETY

AIMS Zero, an award-winning safety solution that is transforming the way organisations manage and mitigate risks in their work environments. Designed to prioritise the safety and well-being of lone remote workers, AIMS Zero offers a comprehensive platform consisting of a web-based application and a wearable watch or mobile device. With its innovative features and user-friendly interface, AIMS Zero empowers your workforce with the tools they need to stay connected, informed, and safe.

KEY FEATURES

- ➔ Real-time hazard alerts
- ➔ Work site check-in check out
- ➔ Panic and duress alarms
- ➔ Hazard creation and verification
- ➔ Intuitive user interface

BUSINESS BENEFITS

- ✓ Enhanced lone workers safety
- ✓ Efficient emergency response
- ✓ Reduced reportable injury frequency rate
- ✓ Increased employee engagement
- ✓ Proactive safety culture

ACHIEVED WITH

- ⑤ AIMS ZERO



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