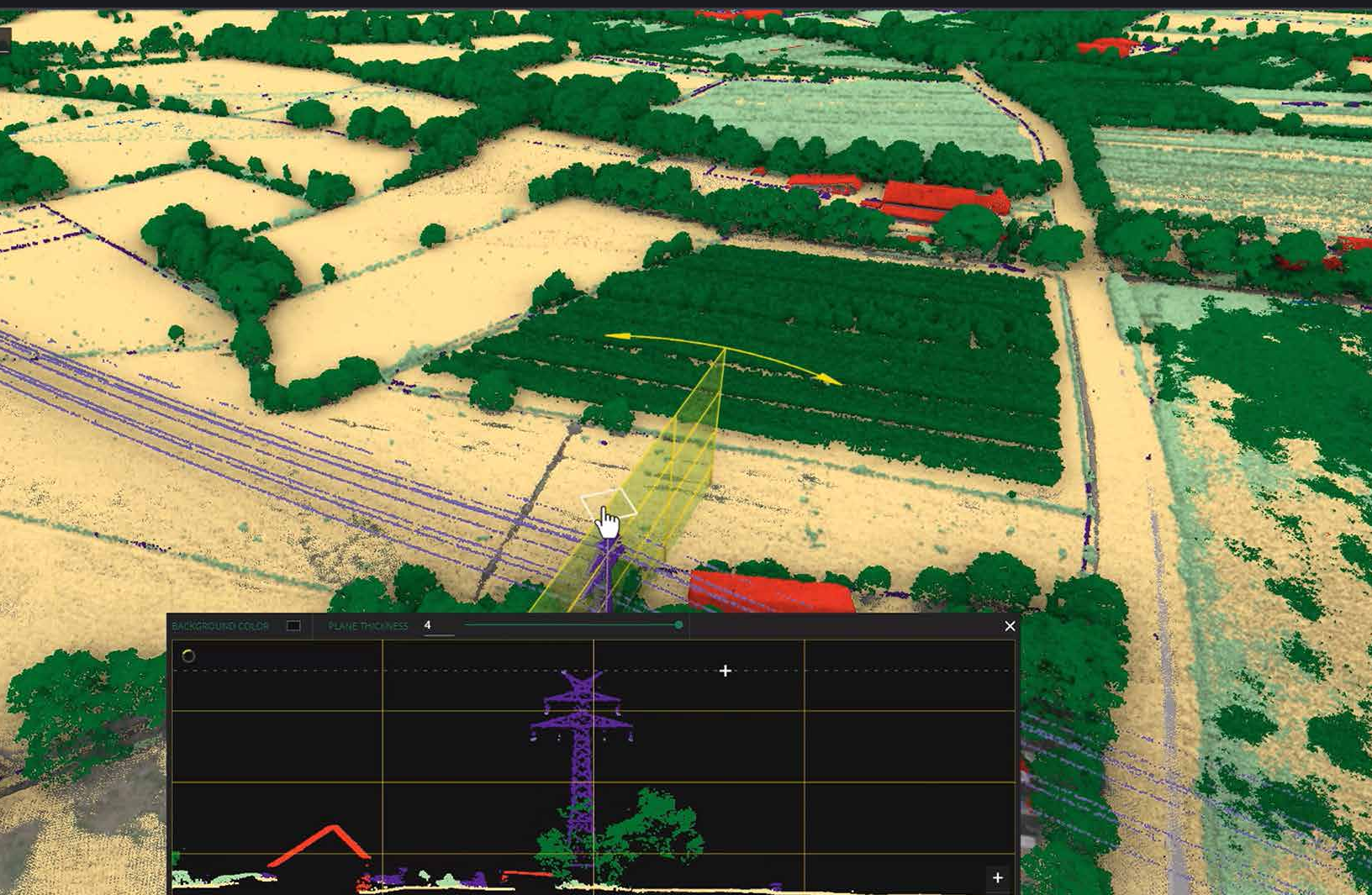
BROCHURE

Octave Alto portfolio



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Octave Alto portfolio

The Octave Alto portfolio unifies geospatial products and applications to help organizations turn data into operational impact. From managing and sharing geospatial information to developing applications, analyzing complex environments and supporting mission-critical decisions, Alto delivers the capabilities teams need to understand, act and adapt with confidence.

What sets Alto apart?

Alto helps organizations manage geospatial data, build applications and support operational workflows. The portfolio combines proven geospatial technology, open integration, advanced visualization and industry expertise to address a wide range of operational challenges in demanding environments such as defence, aviation, transportation and critical infrastructure.

Organizations can engage with Alto where it delivers the greatest immediate value, whether that is a specific product or an application aligned to a current operational need. As requirements evolve, Alto scales with them, enabling teams to expand capabilities at their own pace while building on existing investments. This flexible approach simplifies adoption, accelerates time to value and provides a clear path for growth without the complexity of navigating a broad product portfolio.

How organizations use Alto

Organizations use Alto in different ways. Some start with a specific operational challenge, such as managing transportation networks, supporting intelligence workflows or working with aeronautical information. Others use Alto to manage geospatial data, develop applications or provide users with a clearer view of complex environments.

Every organization is different. Octave and its partners work with customers to identify the Alto products and applications that best fit their goals, operating environment and technical requirements.



Alto products and applications

Alto products provide the core geospatial capabilities of the portfolio, including geospatial data management, application development, visualization and operational capabilities.

Alto applications build on one or more Alto product and are tailored to a specific industry, mission or operational challenge through configuration, integration and customization.

In simple terms:

Alto product + customization* = Alto application

*Customization may include configuration, integration, partner-delivered solutions or custom application development based on one or more Alto products.

Alto products

Alto products help organizations manage and share data, develop applications, deliver advanced visualization and support operational workflows. Products can be used individually or combined as needs grow.

Product	Typical users	What it helps you do
Octave Alto Server (formerly LuciadFusion)	Developers	Access the geospatial data, services and processing capabilities needed to build and power enterprise applications
Octave Alto Browser (formerly LuciadRIA)	Developers	Develop interactive geospatial applications that run in a web browser
Octave Alto Lightspeed (formerly LuciadLightspeed)	Developers	Develop high-performance desktop applications for demanding operational environments
Octave Alto Universal (formerly LuciadPillar)	Developers	Develop geospatial applications for desktop, mobile and embedded environments
Octave Alto Enterprise (formerly M.App Enterprise)	Business teams and analysts	Configure and deploy geospatial applications, dashboards and workflows for business and operational processes
Octave Alto Data Management (formerly ERDAS APOLLO)	Geospatial data managers	Manage, govern and share geospatial data across the organization
Octave Alto Twin (formerly HxGN Smart Sites)	Operational teams	Manage assets, people, conditions and activities across complex sites in real time

Alto applications

Alto applications are designed to address specific operational and industry challenges. They combine proven Alto capabilities with the workflows, interfaces and tools needed for a particular use case.

Application	Typical users	What it helps you do
Octave Alto Mass Transit (formerly HxGN Mass Transit)	Transportation operators	Manage transportation networks with an accurate view of infrastructure and connectivity
Octave Alto AIXM Viewer (formerly Luciad AIXM 5 Viewer)	Aviation professionals	Visualize and explore aeronautical information based on AIXM standards
Octave Alto Integrated Intelligence Solutions	Defence and intelligence organizations	Support intelligence analysis, information sharing and operational planning

Usage

Two ways to use Alto

Organizations can use Alto products to manage geospatial data and create applications, or start with an Alto application designed around a particular industry or operational challenge.

Way 1

Build with Alto products

- Discover, catalog and manage geospatial data
- Make geospatial data available to teams and other applications / systems
- Build web, desktop and cross-platform geospatial applications
- Configure applications around specific users and workflows
- Add advanced visualization to demanding operational environments

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Way 2

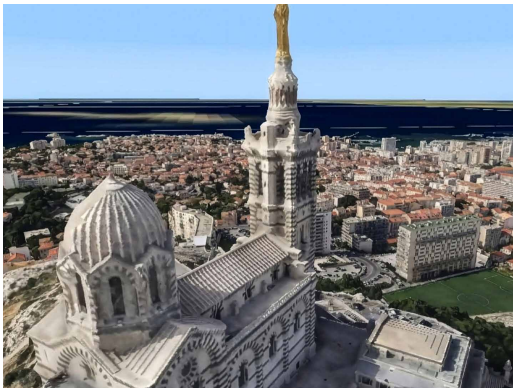
Use Alto applications

- Manage data and operations across complex sites
- Understand transportation infrastructure and network connectivity
- Visualize and explore aeronautical information
- Support intelligence analysis, information sharing and operational planning
- Give operational teams a clearer view of assets, activities and events

ⓘ Applications can be developed by a customer's own team, Octave or an Octave partner.

Adoption

Start where it makes sense for you



Organizations adopt Alto in different ways. Some begin by managing and sharing geospatial data. Others start with an application for a specific industry or operational challenge. Organizations with their own development teams can use Alto to build applications around their particular needs.

Additional products and applications can be introduced over time, allowing organizations to expand Alto at their own pace.

Integration

How Alto works together



Alto products can be used independently or combined to support a broader geospatial workflow.

For example, an organization might use Alto Data Management to manage and share geospatial data, and Alto Enterprise to make that information available through applications.

Organizations can use Alto Browser, Alto Lightspeed and Alto Universal to create applications tailored to their users and workflows, whether developed in-house, by Octave or through a trusted partner.

Alto applications bring these capabilities together around a particular industry, mission or operational challenge.

Contact

From complexity to clarity

Alto helps organizations make sense of geospatial information and turn it into action, whether through products that provide core capabilities or applications built for specific operational challenges.

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About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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