CAPABILITY STATEMENT

# Octave Alto transforms complex data into clear, actionable intelligence

Octave Alto software development kits (SDKs) (formerly Luciad) power mission-critical defense applications by unifying data, helping extract intelligence from it and making it available at the right moment during operations. Alto SDKs are used by systems integrators and defense organizations around the world to build custom, high-performance geospatial software components that transform complex data into actionable intelligence to achieve real-time situational awareness where it matters.

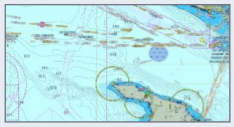
## Use cases

- Support implementation of C2 systems
- Support implementation of C6ISR systems
- Support multi-domain operations
- Mission and flight planning, rehearsal and debriefing
- Common operating picture and situational awareness
- Electronic warfare and SIGINT applications
- Air and missile defense applications
- Force protection and counter-UAS systems
- Unmanned and autonomous systems
- Modeling, simulation and training systems

## Capabilities

| Connect | Visualize | Analyze | Act |
|---|---|---|---|
| • 200+ sources<br>• Real-time data<br>• Defense, maritime and aviation standards | • 2D and 3D<br>• Rich, flexible styling and symbology<br>• Homegrown rendering | • GPU-accelerated<br>• High accuracy<br>• Flexible algorithms | • Mission critical<br>• Map-centric<br>• Highly interactive |

## Products

| Octave Alto Lightspeed | Octave Alto Browser | Octave Alto Server | Octave Alto Universal |
|---|---|---|---|
|  |  |  |  |
| Formerly LuciadLightspeed, this Java SDK offers fast 2D / 3D / 4D geospatial insight and lets you build mission or domain-specific apps for desktop and onboard use. | Formerly LuciadRIA, this JavaScript SDK is used to build geospatial applications that deliver desktop-like performance in the browser. | Formerly LuciadFusion, this comprehensive geospatial data management platform offered as Java SDK that enables management and distribution of data using standards-based services. | Formerly LuciadCPillar, this modular, cross-platform geospatial SDK that offers a set of geospatial APIs for building mission-critical apps in C++, C# and Android (Kotlin). |

## Differentiators

- Designed to combine high performance and accuracy
- Best-in-class performance and scalability
- Interoperability and flexibility
- Designed and built from the ground up as SDKs, by developers for developers
- Adherence to industry standards (defense, aviation, maritime)
- Flexible deployment across desktop, web, mobile and onboard
- Dedicated support from product developers, committed to long defense system lifecycles

## Past performance

**Organizations / systems integrators that use Alto SDKs**

- NATO / OTAN, NEC CCIS
- Airbus Defence & Space
- Safran
- Belgian Defence
- Thales
- MBDA Missile Systems
- Turkish Aerospace
- Lockheed Martin
- Navantia
- Leonardo
- Ministry of Defence of the Netherlands
- SCYTALYS
- Northrop Grumman
- Aselsan
- Atlas Elektronik
- PITRADWAR
- IFAD
- French Ministry of the Armed Forces and Veterans
- Indra

## Certifications

- ISO:9001 – Quality management
- ISO:27001 – Information security management
- Open Geospatial Consortium (OGC) – Compliance for WFS / WMS / WMTS / WCS
- Defence Geospatial Information Working Group (DGIWG) – Defence interoperability

## Corporate info

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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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