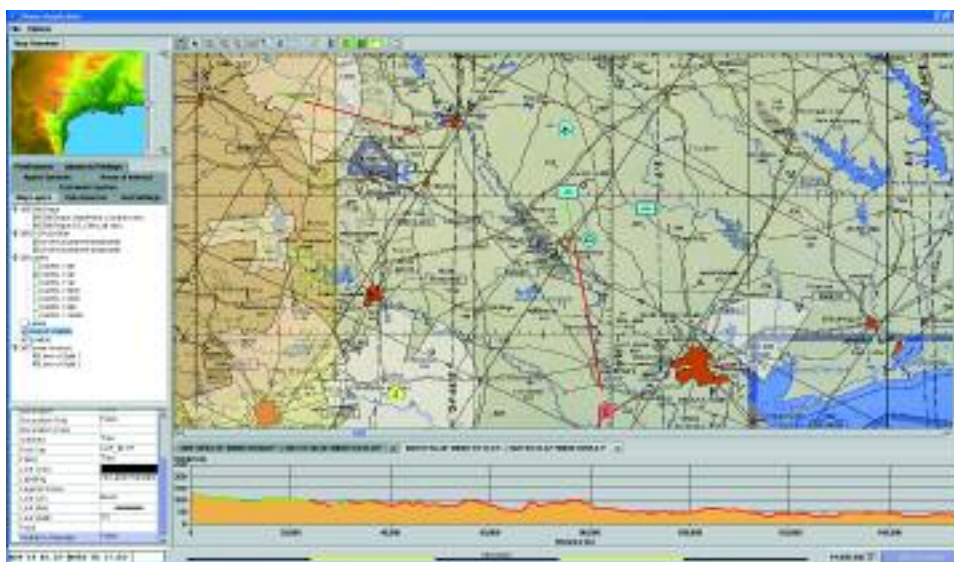# ILOG JViews Maps for Defense

Dynamic map components for command and control systems

Complete toolset for map-based military visualization

ILOG JViews Maps for Defense is a comprehensive set of software editors and graphics components that delivers unparalleled flexibility and openness for creating realistic and dynamic map displays with georeferenced data. Designed for command and control systems, ILOG JViews Maps for Defense meets today's advanced requirements for preparing, monitoring and directing military operations:

- **Advanced map data layering** for building a common operational picture (COP) using multilayered maps and graphic objects to show context-based information
- **Extensible library of symbology** that can be automatically updated in real time to accurately show position and status data for targets and deployed assets
- **Geointelligence and terrain analysis capabilities** for assessing field conditions and making better deployment decisions

Military visualization you need

From the leading supplier of software components, ILOG JViews Maps for Defense provides high-level components and powerful off-the-shelf features that enable developers to go from prototype to deployable tactical applications in the shortest time possible. Its flexible, cross-platform approach guarantees that you can create well-suited, vendor-independent custom solutions, while its prebuilt and pretested components save in-house development costs. Domain-specific features include all the major military map formats and symbol sets, high-precision grids and coordinate systems, terrain analysis services, and many customizable graphical representations.

- **Video-like graphics performance**

- **Efficient large data set handling**

- **NATO APP6a/MIL STD-2525B and custom symbology**

- **Components for flexibility and openness**

- **Powerful Map Builder**

Changing the rules of business™

Advanced map layering

ILOG JViews Maps for Defense supports the layering of a wide range of raster and vector map data to assemble coherent displays within a user-defined reference system, no matter the storage or geographic parameters. It provides full control over the look and feel of the end-user display, and the visual themes used for each zoom level to provide contextual information displays.

Video-like performance

To achieve fast refresh rates for video-like zooming and object animation, ILOG JViews Maps for Defense uses advanced rendering techniques and a multithreaded load-on-demand mechanism for extremely large data sets. This also allows the deployment of sophisticated applications on laptop systems, with zoom rates up to 60 frames per second with sustained high-resolution imaging.

World map showing custom projection with MGRS grid

Standard and customer symbologies

ILOG JViews Maps for Defense fully supports standard military symbologies, and comes with the NATO APP6a/MIL STD 2525B symbol set for building map displays for joint international operations. It also provides the tools needed to create custom symbology libraries containing data-aware graphic objects. ILOG JViews Maps for Defense displays the symbols over maps and updates them in real time as data streams in from the field.

Openness and extensibility for custom solutions

ILOG JViews Maps for Defense is a purely object-oriented tool based on advanced design patterns and a model view controller (MVC) architecture. It allows developers to easily combine any of the numerous provided features or derive from them the exact look and feel, and behavior needed for an application. Its open architecture facilitates integration with third-party solutions or enrichment of existing legacy systems.

Street-level map with multiple layers
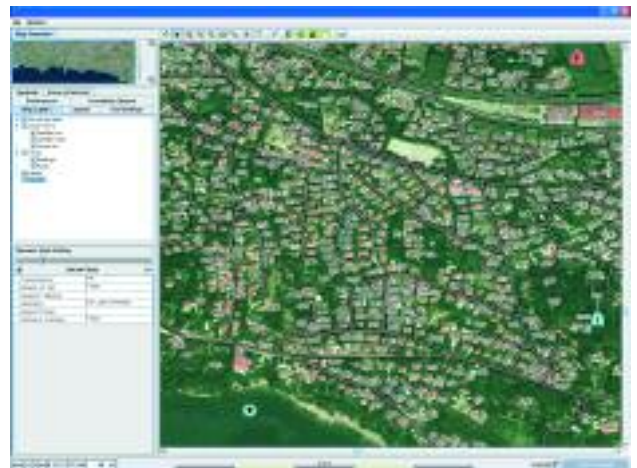
Used throughout the defense industry

ILOG's software technologies are well known for their reliability, high performance and flexibility, and deployed by military services the world over in strategic applications. ILOG JViews Maps for Defense is backed by a full line of visualization products for making graphically rich, user-friendly interfaces with charts and a wide range of diagrams, including graph layouts or planning views. For more than a decade, developers in the defense industry have used these products to build displays for a broad range of applications.

Learn more

For additional information and demo on ILOG JViews Maps for Defense, contact an ILOG Sales Representative near you or visit http://jviews.ilog.com.

"*For mission planning systems, it is critical to use a flexible and high-performance system that allows a fast response time. We believe ILOG JViews Maps for Defense is the best commercial tool available for that matter.*"

– Ignacio Rosell Ráez
Mission Support Systems
Head of Department
EADS Casa

ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 global corporations and more than 465 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. The BRMS market share leader, ILOG was founded in 1987 and employs more than 700 people worldwide.

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