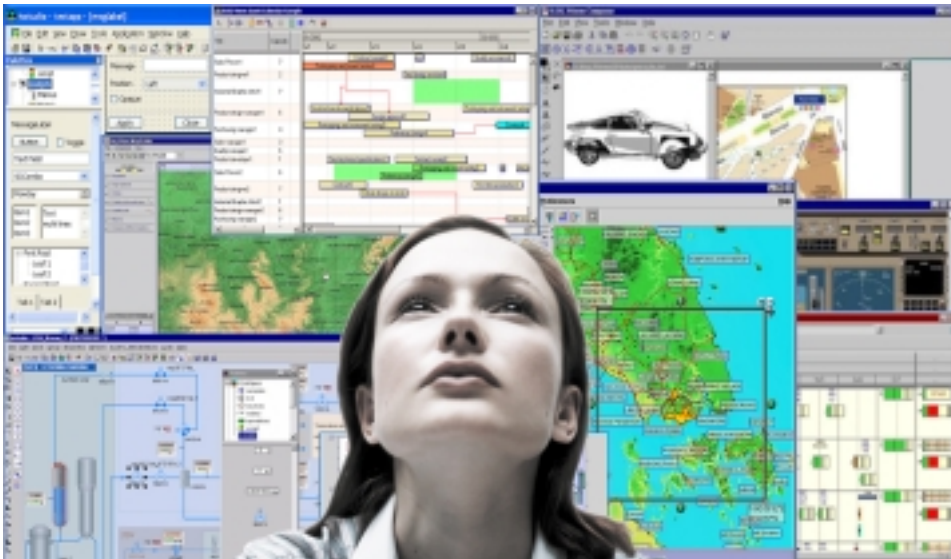


ILOG Views Component Suite

**Enterprise-class visualization for
business-critical applications**



Demand for powerful interfaces

Today's strategic applications demand highly sophisticated, business-oriented graphical user interfaces (GUIs). These GUIs must display complex information in great detail to keep users fully informed in real time, and allow interaction with the applications through on-screen graphical representation. Furthermore, they must be brought to market quickly and at the lowest possible cost to ensure the fastest ROI.

Enhance the user experience

Industry-leading ILOG Views and its add-on modules for data visualization, mapping and database access enable the development of powerful user interfaces for equally powerful, mission-critical applications. The suite provides all the features and editing tools needed to rapidly create highly intuitive GUIs with fully interactive 2D graphics.

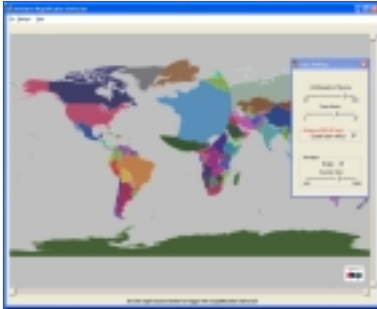
Renowned visualization

Meeting strategic needs in such industries as communications, transportation, manufacturing and defense, ILOG Views has become renowned for its incredibly rich graphics, portability across the most commonly used platforms – Windows, UNIX and Linux – and ability to greatly reduce the time and cost of developing and maintaining GUIs. ILOG leads in the market for visualization technologies, backing its products with 15 years of dedicated research and development, and a full range of customer support services.

As the world's leading C++ visualization component, ILOG Views frees the developer to concentrate more on the end and less on the means.

- **High-performance 2D graphics**
- **Powerful GUI builder**
- **Customizable Business Graphic Objects, Charts and Gantt Chart**
- **Full portability across Windows, UNIX and Linux**

Create truly intuitive graphical user interfaces



*A custom magnifying interactor
on top of 2D graphic objects*

High-performance 2D graphics and advanced user interaction management

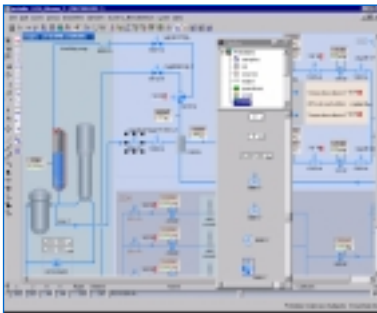
ILOG Views provides an extensive set of C++ classes for creating structured 2D graphics that can be embedded in new or existing interfaces. Among the classes is a powerful graphics manager for efficiently displaying thousands of graphic objects and viewing them with fast zooming and panning functions. The graphics manager provides multiview and multilayer display, quick selection and editing capabilities, and “interactors,” a large set of objects for handling user interactions. The manager is critical in supervision applications that must display a considerable amount of graphical information interactively. It is also used to display nodes and links, especially in network management applications for communications, media, supply chains and utilities.

The ILOG Views Component Suite allows developers to create application displays that take full advantage of high-quality rendering. On Windows systems, GDI+ advanced graphic rendering is used whenever available, providing features like antialiasing and transparency for a best-of-breed user experience. Image filters create powerful visual effects for compelling displays and outstanding business-oriented representations.

Complete business-oriented interfaces

State-of-the-art controls and WYSIWYG editor

ILOG Views comes with an extensive set of graphic objects for building GUIs. Called “gadgets,” the set includes cutting-edge control elements such as buttons, menus and text fields, and complex objects such as trees, toolbars and spreadsheets. The product also provides an application framework, built on a document/view architecture, that further reduces development time. Each gadget has a predefined design and behavior complying with the Windows (including Windows XP) or Motif look and feel, and can be changed dynamically. Full internationalization supports such languages as Arabic and Chinese.



*A schematic editor created
with ILOG Views Studio*

ILOG Views also comes with a WYSIWYG editor – ILOG Views Studio – that enables the easy creation of application interfaces, from standard GUIs to more advanced representations. The editor generates C++ code, supports multilingual applications, and is highly customizable and extensible.

Features and Benefits

Powerful Integrated Development Environment (IDE)	Create and deploy applications quickly and easily
Cross-platform compliance	Develop once, deploy everywhere Simplify same-code source deployment across various platforms
Full data access	Connect to leading databases – Oracle, IBM DB2 and others – with point-and-click actions
Complete set of ready-to-use representations	Accurately display data such as schedules and performance indicators, with graphs, charts, Gantt charts, maps, layouts and other graphics

Business Graphic Objects: customizable to specific applications

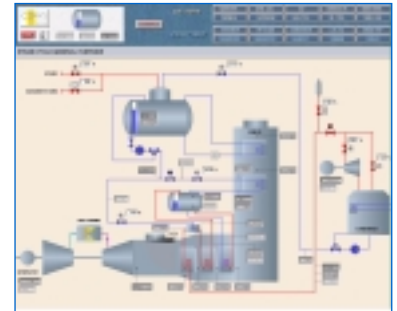
ILOG Views provides a class of graphic objects that can be defined without coding: Business Graphic Objects (BGOs). They are implemented easily with simple point-and-click actions. Just assemble the graphic objects, define their properties, actions and behaviors, and they are ready to use. There is no need for additional coding. They can also be connected easily to a data source and set to automatically refresh as data is received.

Web deployment: reach the Internet with existing C++ code

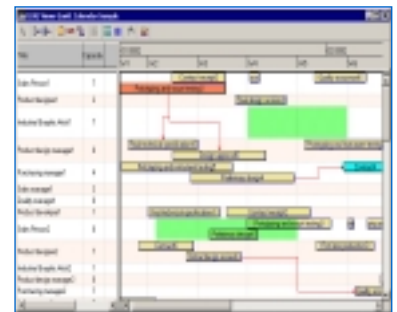
Developers can reuse existing C++ code, making applications with structured 2D graphics available through an intranet or the Web. Applications reside on Web servers and deliver images to a browser via JavaScript-powered thin clients. Images are fully interactive, supporting actions like navigation (zooming and panning) and object selection.

Gantt Chart: visualize and manage schedules

The Gantt Chart module provides complete support for visualizing and managing schedules. It can handle numerous activities organized by resource and displayed along a time axis. Gantt Chart benefits from all the advanced features of ILOG Views: rich set of activity representations, powerful and extensible interactors, multiview display, and high performance. Its object-oriented architecture makes it highly customizable, enabling it to meet a vast variety of application needs.



ILOG Business Graphic Objects in a supervision application



ILOG Views Gantt Chart in a scheduling applications

Better control and supervision with ILOG Views-based applications

Additional modules

ILOG Views Charts: powerful data visualization

ILOG Views Charts can display the most widely used chart formats, including bars, lines, areas, pies, bubbles and hi-lows. Data can be shown with a rectangular or polar representation that can be changed on the fly. Also available are several scrolling modes, customizable scales (linear or logarithmic) and selectable orientation (horizontal or vertical). The charts can handle a huge volume of data and be animated to display information in real time.

ILOG Views Maps: advanced mapping features

ILOG Views Maps extends ILOG Views 2D Graphics with the most widely used cartographic data readers, including Oracle Spatial, and projections for positioning custom graphic objects on a map. It is primarily for GUIs in which maps and other

“ILOG Views’ performance, its flexible architecture and customizable, extensible classes translate into freedom of development and utilization. ILOG Views made the easy things easier and the difficult things possible.”

– Dan Myers

Software Design Engineer
Hewlett-Packard



Various ILOG Views charts and decorations

geographic images are overlaid with graphic objects representing equipment, vehicles and other managed resources. ILOG Views Maps comes with a load-on-demand feature that enables map-based applications to handle immense data sets.

A CD-ROM with a vast assortment of ready-to-use raster and vector images is included with ILOG Views Maps. Called *Maps for ILOG Visualization Products*, It contains maps appropriate for applications needing country- or region-level map backgrounds, like asset management or communications network applications.

Enhance the user experience with ILOG Views

ILOG Views Data Access: connecting graphical user interfaces to data

ILOG Views Data Access shortens the development time for applications that need to visualize or edit database content. It provides intuitive visualization for tables, easy definition of SQL queries, and point-and-click design for GUI panels. It also offers easy connectivity to tables, trees, forms or specific representations, like diagrams or charts.

ILOG Views Data Access supports major DBMSs, including Oracle, IBM DB2, Sybase, Informix, Ingres and MS SQL Server, through native drivers and Open Data Base Connectivity (ODBC). The same GUI can be connected to several databases managed by different DBMSs.

ILOG Views Graph Layout: interactive diagrams and schematics

ILOG Views Graph Layout renders information easier to comprehend quickly, with diagrams, networks or graphs. It provides several specialized algorithms for organizing information and rearranging it in graphical form. It is ideal for any solution calling for a display showing the interconnections among various elements in a system. ILOG Views Graph Layout has a broad range of applications, from process and workflow diagrams to supply-chain and telecom network layouts.

Learn more about ILOG Views and other ILOG visualization products by contacting an ILOG Sales Representative near you or visiting www.ilog.com/products/visualization.

ABOUT ILOG

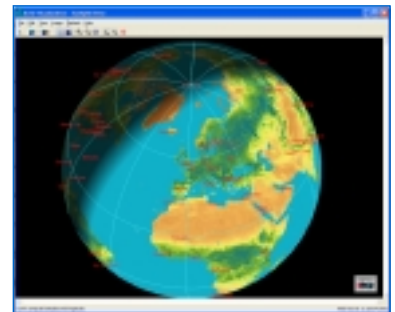
ILOG's innovative enterprise-class software components and services have helped companies maximize their business agility and improve operating efficiency for over 10 years. Over 1,000 global corporations and more than 300 leading software vendors rely on ILOG's business rules, optimization and visualization technologies to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge.

For more details, please visit www.ilog.com

ILOG Worldwide Information Center - Tel: 1-800-FOR-ILOG (US only) or 1-775-881-2800 (international) • URL: <http://www.ilog.com>

France - ILOG S.A. - Gentilly - Tel: +33 (0)1 49 08 35 00 - E-mail: info@ilog.fr
China - ILOG (S) Pte. Ltd. - Beijing Representative Office - Tel: +86 10 65391108 - E-mail: info@ilog.com.sg
Germany - ILOG Deutschland GmbH - Bad Homburg v.d.H. - Tel: +49 6172 40 60 - 0 - E-mail: info@ilog.de
Japan - ILOG Co., Ltd - Tokyo - Tel: +81 3 5211 5770 - E-mail: info@ilog.co.jp
Singapore - ILOG (S) Pte. Ltd. - Singapore - Tel: +65 67 73 06 26 - E-mail: info@ilog.com.sg
Spain - ILOG S.A. - Madrid - Tel: +34 91 710 2480 - E-mail: info@ilog.es
UK - ILOG Ltd. - Bracknell - Tel: +44 (0) 1344 66 16 00 - E-mail: info@ilog.co.uk
USA - ILOG, Inc. - Mountain View, CA - Tel: +1 650 567-8000 - E-mail: info@ilog.com
 Representatives and distributors in other countries

ILOG, CPLEX and the ILOG logo are registered trademarks, and all ILOG product names are trademarks of ILOG. All other brand, product and company names are trademarks or registered trademarks of their respective holders. The information presented in this brochure is summary in nature, subject to change, non-contractual, and intended only for general information.

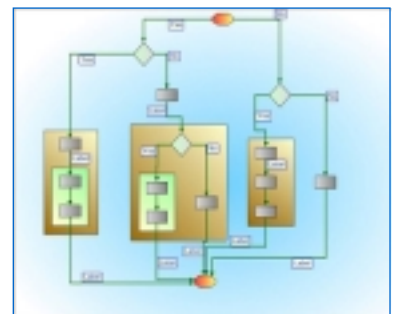


Raster and vector projections

"ILOG Views is a very powerful product that is unrivaled in the field of high-quality graphics. Not only has it significantly reduced the time and cost of development of PPSFR-Zug, but users across the whole system now enjoy a highly intuitive graphical interface that allows them to interact with the applications."

– Stefanie Mehta
Manager

DB Systems (Deutsche Bahn)



*ILOG Views Graph Layout
process flow representation*