

Scada Viewer Tool: AEROPGLG018

The GLG Toolkit by Generic Logic is a comprehensive HMI and SCADA software development framework used to create customizable, data-driven visual displays. It provides a dedicated **SCADA Viewer** that allows operators to actively monitor and control real-time processes, manage alarms, and adjust values.

Key Features of the GLG Toolkit SCADA Viewer:

- **Interactive HMI Editor:** Features the GLG Graphics Builder, a point-and-click graphical editor that eliminates manual coding for creating animated vector graphics.
- **Cross-Platform Support:** The toolkit supports C/C++, C# (.NET), Java, and HTML5 JavaScript, enabling deployment across desktop, mobile, and web browsers (including native React, Angular, and Next.js components).
- **Real-Time Monitoring:** High-performance charts and widgets capable of handling tens of thousands of data points.
- **GIS Integration:** Includes a self-contained map server for Geographic Information System (GIS) tracking and geographic asset visualization without requiring an active internet connection.
- **Flexible Viewer Frameworks:** Provides two reference frameworks: the *Simple Viewer* (optimized purely for process monitoring) and the *SCADA Viewer* (includes full active process control and alarm management).

You can download the Free Community Edition of the GLG Toolkit, which includes the Graphics Builder and the SCADA Viewer framework, from the GLG Toolkit Download Page.

If you would like to know more about the GLG Toolkit, tell me:

- What **platform/programming environment** are you building for (Java, C#, C++, or JavaScript/Web)?
- Are you looking for the **ActiveX Control** or the **HTML5 Web Library**?
- Do you need assistance with **connecting real-time data sources**?

The **SCADA Viewer** is a comprehensive reference framework provided by Generic Logic within its **GLG Toolkit**. It is a pre-built template designed to help developers rapidly prototype and deploy highly interactive industrial monitoring and control interfaces.

Key Capabilities & Features

- **Process Monitoring & Control:** Unlike the basic "Simple Viewer" template (which is read-only), the SCADA Viewer framework supports dual-direction interactivity, meaning it handles both real-time process monitoring and active backend write-backs (control commands).
- **Built-in Component Logic:** It features native handling for standard SCADA requirements out-of-the-box, including popup dialogs, multi-level page navigation, drill-down menus, and dedicated alarm displays.
- **Vector-Based Scalability:** Screens built for the viewer use resolution-independent vector graphics. They automatically scale without losing clarity, whether displayed on small embedded screens or massive control room monitors.
- **Data Connectivity:** It utilizes data tags to link simulated or live data streams (such as JSON data packages) to active screen components. Developers can test these connections using the companion GLG Data Gateway utility.

Supported Frameworks and Deployments

The SCADA Viewer source code is distributed across all major programming environments supported by Generic Logic:

Deployment Type	Supported Technologies & Formats
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Web & Mobile	Pure HTML5, JavaScript, React, Angular, Next.js, and server-side ASP/JSP.
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Desktop Applications	C/C++, C# .NET (Windows Forms), and Java.
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Embedded Systems	ARM-based systems, Linux/Unix configurations, and RTOS (Real-Time Operating Systems).
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Workflow Implementation

1. **Design:** You create and layout your custom SCADA mimics, dials, and gauges visually using the **GLG Graphics Builder** (the toolkit's HMI editor).
2. **Bind:** You assign Data Tags to your graphical items to govern their animations or define custom user actions.
3. **Integrate:** You copy the SCADA Viewer source template from your GLG Installation Directory into your application project, leveraging its pre-written logic to manage screen transitions and command handling automatically.

Are you looking to implement the SCADA Viewer on a **desktop framework** or a **web application**? Let me know your development platform, and I can guide you through the setup.

OS & HARDWARE SUPPORT	INDUSTRY APPLICATION

Note: ** Specifications are copied from manufacturer data. Please contact before buying.