![OPC Labs]

OPC Professionals at your disposal

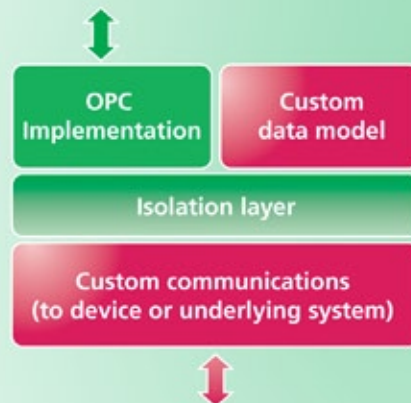## Are you looking for OPC Connectivity?

We will develop OPC server for your device or system, or enhance your application to include OPC server functionality. OPC Servers developed by OPC Labs run day and night in installations around the globe.

Benefits

☑ Your software will be based on inside knowledge of OPC, its specifications and its intricacies, without requiring you to become an OPC Foundation member

☑ You will get full OPC compliance, and realize benefits of OPC interoperability testing available normally to OPC Foundation members only

☑ Your time to market will be significantly reduced, and you can stay focused on your core expertise

☑ Significant cost savings

☑ High performance and reliability with field-proven code basis

OPC Runtime Kit

OPC Runtime Kit is OPC Labs' toolkit for development of OPC Servers. OPC Runtime Kit cannot be purchased separately. It is only available in conjunction with custom development services provided by OPC Labs. With the custom development, you will get this toolkit included in your server free of charge.

References

☑ Genisys OPC Server (Gent by Honeywell; Novar). Subsystem of fire supervision system for BAA Heathrow Terminal 5. C++, ICONICS OPC ToolWorX.

☑ Elster OPC Server (electricity metering). C++, WinSock, ICONICS OPC ToolWorX.

☑ MX OPC Server - modifications (Mitsubishi Electric Europe).

☑ Goss OPC Server (manufacturing). OPC Runtime Kit, C++, OPC-AE.

☑ visiOprime OPC Server (Novar). C++, ICONICS OPC ToolWorX, WinSock.

☑ WinMAG OPC Server (Novar). C++, ICONICS OPC TolWorX.

☑ TwinCAT OPC server modifications (Beckhoff). Written in C++, MFC, ATL, STL.

☑ M-Bus OPC Server (PiiGAB) - consulting. OPC Runtime Kit.

☑ Tool Status Server (Air Products and Chemicals). Client-server application for monitoring gases used in manufacturing of semiconductor chips. Written in C++, MFC, ATL.

☑ GcsDriver OPC Server - improvements. Customer: Air Products and Chemicals.

Toolkits

No OPC server is developed from scratch, and OPC Labs have experience with many toolkits that speed up the development and are available on the market, such as ICONICS, Softing or Technosoftware. OPC Labs also has developed its own toolkit. We will evaluate the requirements and recommend the toolkit that is right for your server.

Key Features

With OPC Runtime Kit, your OPC Server will automatically support following features:

☑ Specifications: OPC Data Access 2.0 and 3.0, OPC Alarms and Events, OPC Universal Architecture (under development). Tested for interoperability and for compliance with standards.

☑ Visual Studio 2005 and Visual Studio 2008 development environments. Custom code in native C++, or in combination with any .NET language.

☑ Servers run under operating systems ranging from Windows 2000 to Windows Vista and Windows Server 2008.

☑ Multi-threaded, non-blocking design for high performance.

☑ No limits to number of connections, subscriptions, or tags.

☑ Device communication isolated from OPC interface for increased resiliency.

☑ Built-in simulation and a library of simulation signals.

☑ Flat or hierarchical, static or dynamic address space.

☑ Create out-of-process or in-process servers, or run your server as a service.

☑ Easy installation.

☑ Full source code included with delivery.