

# OPC Products and Services

Servers, Clients and Tools for  
Users and Manufacturers



# OPC Expertise



## **OPC – Openness, Productivity and Collaboration**

OPC is a worldwide standard for the exchange of data and information between software components.

OPC simplifies your automation tasks, enables you to access data quickly and securely, and standardizes the operation of communication software.

### **From Data Access to Unified Architecture – Benefit from more than 12 Years of OPC Expertise!**



Softing recognized the significance of OPC for industrial automation early on.

As a member of the European Steering Committee and the UA Early Adopter Group of the

OPC Foundation, Softing actively contributes to the success of OPC. Offering a wide range of products and services, Softing is one of the market leaders in OPC technology.

## **Our OPC Suite for your Success**

### **OPC Servers and Clients**

For secure and efficient communication

### **OPC Easy Connect Suite**

Save valuable time when commissioning OPC clients and servers

### **OPC Toolkits**

Secure fast time-to-market

### **OPC Workshops**

Your easy access to OPC technology

### **OPC Services**

Focus on your core expertise

**With OPC Technology from Softing,  
you're always up-to-date!**

"Having compatible OPC clients and servers is especially important for us. Softing's OPC toolkits enabled us to familiarize ourselves with OPC technology quickly and reliably."

**Dr.-Ing. Sabine Daeche, Software  
Development, Bosch Sicherheitssysteme GmbH**

# OPC Server

## Are you looking for efficient and convenient Access to your Process Data?

Install and configure your Softing OPC server in just a few minutes. Softing's OPC servers enable you to easily access your automation devices via Ethernet, PROFIBUS, Modbus, CANopen etc.. Softing's OPC implementation is consistent with the latest state-of-the-art technologies available on the market. The development effort focused on maximizing the data throughput while at the same time minimizing the required system resources for optimal performance.

### Our Offer

#### S7/S5 OPC Server

- Fast and convenient data access to Siemens' S7/S5 PLC-family
- Up to 256 simultaneous PLC connections

#### PROFIBUS OPC Server

- Convenient access to DP and PA devices
- Automatic device recognition

#### Modbus/TCP OPC Server

- Access to registers and coils of any Modbus device
- Can be used flexibly as a Modbus client or server

#### CANopen OPC Server

- PDO and SDO data exchange
- Supports node guarding

#### Customized OPC Servers on Request

### Benefits for you

- Full OPC compliance for **high reliability** and security
- Significant **time and cost savings**; installation takes just one minute
- **Reliable data exchange** through continual connection monitoring
- Highest level of user comfort due to **automatic device recognition** and **import/export** of configuration data
- Supports **all OPC clients** incl. Cimplicity, Citect, Genesis, iFix, InTouch, RSView, WinCC
- **"Best-in-class" performance**, e.g., S7/S5 OPC server
- **Web-based diagnosis** and mini-visualization through an integrated Web server
- **OPC client, OPC ActiveX controls**, Excel, HTML and Visual Basic examples included in package
- **Free demo version**

"Since we've been using Softing's S7 OPC server in our projects, we haven't had any stability problems. The migration to Softing was fast and easy."

Kurt Gleichweit, Intratec – HPG Informationstechnologie GmbH

# OPC Toolkits



## If you're looking for an OPC Interface, we have the right Toolkit for you!

Choose your OPC toolkit from more than 20 different products according to your development environment, programming language, OPC specification and target platform.

"The OPC Toolbox C++ from Softing in our Freelance 2000 product saved us an enormous amount of development and testing time - thanks to the powerful object management functionalities, the easy integration into existing software and the outstanding support provided by Softing."

Michael Glenke, Development Manager MSR Software, ABB

## Develop your own OPC Client or Server at low Cost!

The OPC Toolbox contains the right tool for your specific requirements (including source code) for different programming languages (C++, C# etc.) and operating systems (Windows, WinCE, Linux etc.). Tools can be used as stand-alone components or as integrated OPC interfaces. And: There are no runtime licenses!

## If you're looking for an OPC Server, we have the right Solution for you!

We can realize your OPC server in a flash – for a competitive price.

## Visualize Process Data in Visual Basic or Excel in just two Minutes – with the OPC Toolbox ActiveX.

Import your process data to Excel, Visual Basic, Internet Explorer or any other ActiveX-enabled application in next to no time - without requiring any programming! No runtime license fees! It doesn't get any better than that!

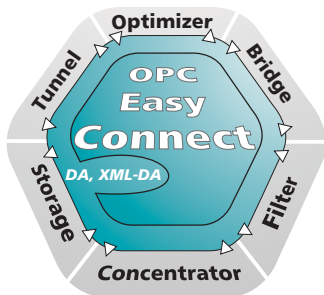
### Benefits for you

- Successfully deployed by more than **1,000 international companies**
- Several thousand OPC products with **"OPC Toolbox inside"**
- Used all over Europe, the United States, Asia, Australia and Africa
- **Full OPC compliance**
- Regularly tested at **interoperability workshops** of the OPC Foundation
- Comfortable **wizard** to get you started quickly
- Context-sensitive online help integrated into Microsoft Developer Studio
- **Free demo version**

Toolkit types	OPC Specification							
	DA1 <sup>1</sup>	DA2 <sup>1</sup>	DA3 <sup>1</sup>	AE <sup>2</sup>	XML-DA	SEC <sup>3</sup>	UA <sup>4</sup>	
Toolbox (C++, .NET) Server	✓	✓	✓	✓	✓	✓	✗	
	✓	✓	✓	✓	✓	✓	✗	
Toolbox ActiveX Client	✓	✓		✓				

<sup>1</sup> Data Access, <sup>2</sup> Alarms and Events, <sup>3</sup> Security, <sup>4</sup> Unified Architecture  
 ✓ available   ✗ under development

# OPC Easy Connect Suite



Reaching your Goals more easily and Cost efficiently with OPC Easy Connect Suite

- Do you want to transport OPC data across firewall boundaries?
- Are you fed up with searching for the right DCOM settings?
- Are unreliable messages regarding aborted connections unacceptable for you?
- Do you want to prevent others from accessing your OPC data?
- Is performance key for you when operating multiple OPC clients and servers?

If your answer to any of these questions is yes, the A&D Best Product awarded OPC Easy Connect Suite from Softing is exactly what you need!



## OPC Easy Connect Suite – Making OPC Connectivity easy

OPC Connector Tools simplify the commissioning and operation of OPC clients and servers, help you save both time and money, and optimize the performance of your OPC interfaces. The OPC Connector Tools family currently comprises the following products.

"Using Softing's OPC Storage for the testing and commissioning of our AGV OPC clients enabled us to achieve significant cost savings."

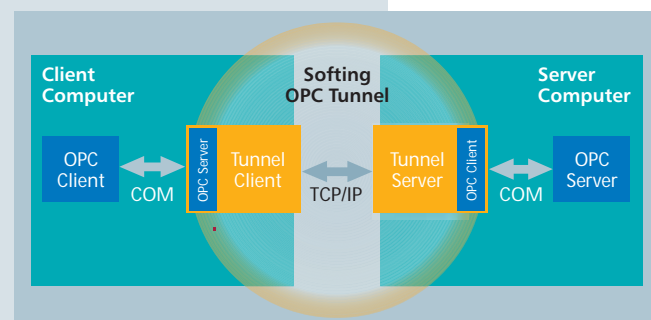
Franz Schröder,  
Software Development,  
Swisslog Teellift GmbH

Increased Security ✓  
Faster Commissioning ✓  
Higher Data Throughput ✓

## OPC Easy Connect Suite from Softing

### OPC Tunnel

DCOM bypass for fast and easy OPC communication across multiple networks.



The OPC Tunnel enables secure and easy OPC communication across networks and firewall boundaries

### OPC Storage

Intelligent data storage for communication between OPC clients.

### OPC Bridge

OPC gateway between any kind of Data Access or XML-DA implementations.

### OPC Optimizer

Optimizes access of multiple OPC clients to a single OPC server.

### OPCtoDataBase

Stores OPC data in ODBC – enabled databases

### OPC Filter

Prevents unauthorized access to OPC items.

**Free demo version**

## Softing AG

Industrial Automation  
Richard-Reitzner-Allee 6  
85540 Haar, Germany

Tel: +49 (0)89 4 56 56-340  
Fax: +49 (0)89 4 56 56-399  
info.automation@softing.com  
www.softing.com

## Softing North America, Inc.

29 Water Street, Suite 301  
Newburyport, MA 01950  
USA

Fon: +1 978 499 9650  
Fax: +1 978 499 9654  
info.usa@softing.com  
www.softing.us

# OPC Products and Services



## Do you want to get started with OPC as quickly as possible?

No problem! Benefit from our knowledge edge and our experience with OPC!

## OPC Training, Workshops and Seminars

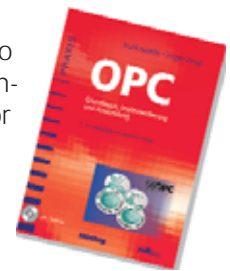
Since 1997, we trained for more than 1,500 engineers on OPC technology, many of them from highly renowned companies and institutions. Due to our active participation in workgroups within the OPC Foundation, our seminars are on the cutting edge of technology.

### Our Offer

- One- or two-day classes for manufacturers and users
- In-depth workshops for developers
- Troubleshooting seminars for OPC users

## OPC Book – the Bestseller now in its third Edition

With more than 8,000 copies sold to date, "OPC-Fundamentals, Implementation and Application," the book for developers, automation experts and students, has become the world-wide benchmark in OPC literature.



"If you are a current or future user or manufacturer of OPC products, this book is the ideal way to familiarize yourself with OPC technology and to become an efficient OPC user."

Thomas J. Burke,  
President of the OPC Foundation