

# FrontVue



Client GUI For  
OEMs and End Users

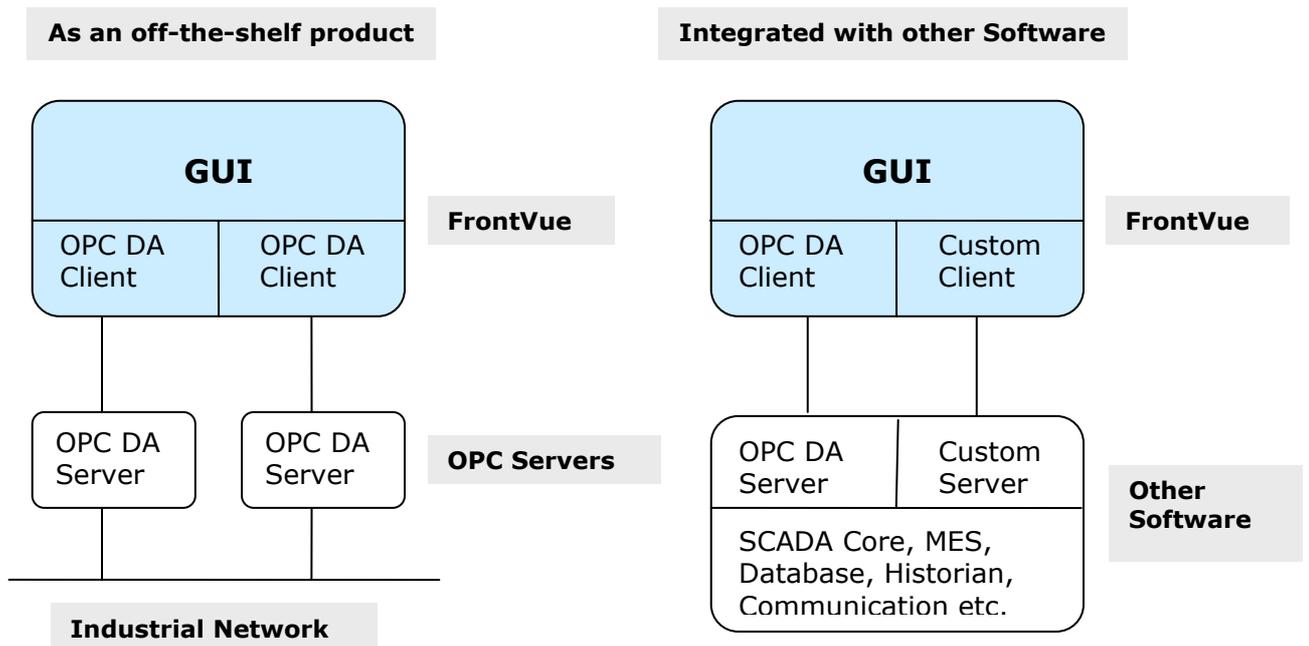
**ARC**  
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# What is **FrontVue** and Who should use it?

**FrontVue** is a client GUI (Graphical User Interface) for Windows 2000™, XP™ and Server 2003™. It provides everything you need to design and display comprehensive animated graphics of your process on a PC. **FrontVue** includes an OPC™ client component that collects the real-time information from OPC™ servers. A wide range of OPC™ servers is already available from PLC manufacturers and 3<sup>rd</sup> parties.

End Users and System Integrators can use **FrontVue** as an off-the-shelf product. OEMs can badge it as their own product. **FrontVue** can also be integrated with existing software to create an up to date look and feel for an established product without the expense of a complete re-write.



## Application Development

**FrontVue** applications are developed as one or more interactive windows linked together to provide menus, process mimics, status pages etc. Each window can contain ActiveX® Controls, Java™ Beans and native **FrontVue** drawing elements. A drawing property manager enables you to define sets of properties that will be applied when creating or modifying objects. Integrated development and run-time environments allow changes to be made on-line without the need to compile or restart.

## ActiveX® Container

**FrontVue** is an ActiveX® container. Developers can integrate off-the-shelf 3<sup>rd</sup> party components by simply pasting them into a window. An enhanced VBA style properties list allows you not only to view and modify ActiveX® properties but also to link them directly to the real-time values of variables from an OPC™ server.

# VBA Scripting

Microsoft™ Visual Basic for Applications is an integral part of **FrontVue** providing programmatic access to the properties, methods and events of all native drawing elements, the project environment, OPC™ variables and any ActiveX® components used in the project. Using VBA you can adapt **FrontVue** to the special needs of the user and easily integrate third party software such as spread-sheets, databases and reporting tools.

# 2D & 3D Graphic Engine

**FrontVue** has its own native window editor using the latest drawing technology for maximum productivity. The comprehensive animation range includes colour change, variable filling, visibility, text display, exchange, movement, rotation and sizing. Bitmaps including animated GIF files and AVIs may be imported and animated as well as 2D and 3D DirectX objects from CAD software.



# Zoom and De-clutter

De-clutter templates may be created to reveal and hide information as mimics are zoomed in and out. Mimics can be larger than the physical display and scrolled using vertical and horizontal scroll bars. CAD like layers may also be used to hide and reveal information according to the current user.

# Object Technology

Re-usable graphic objects are easily created without the need for special tools. Modification of any object is automatically propagated wherever it is used. User configurable libraries allow you to organise and distribute objects specific to your industry sector.

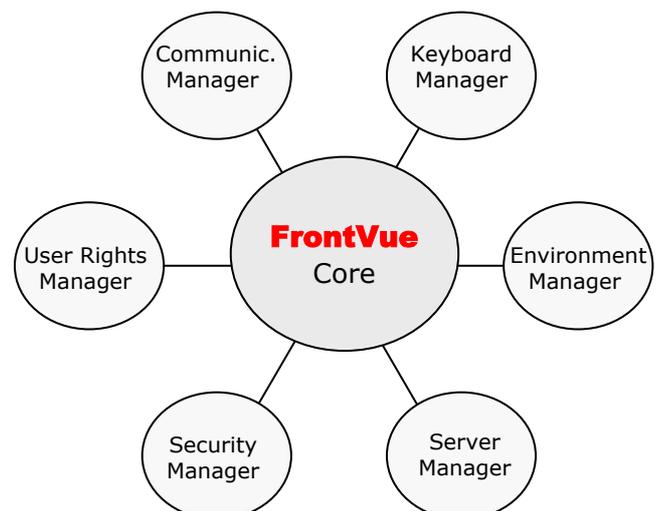
# Communication

A separate manager handles communication with PLCs and other kinds of industrial equipment. As standards evolve support for new types of server can easily be added without the need to modify the **FrontVue** core. Redundant server capability is included for applications where communication is critical.

# Internal Architecture

**FrontVue** is highly customisable with many of the functionalities provided by external components communicating with the core using a COM/DCOM compliant interface.

Development tools are available to allow the user to modify or even replace the external components to tailor **FrontVue** to individual requirements.



# Offices



**FRANCE** ARC Informatique - Headquarters and Paris office  
2 avenue de la Cristallerie - 92310 Sèvres - France  
tel + 33 1 41 14 36 00 - fax + 33 1 46 23 86 02 - hotline: Tel +33 1 41 14 36 25  
email: [arcnews@arcinfo.com](mailto:arcnews@arcinfo.com) - web: [www.arcinfo.com](http://www.arcinfo.com)

**GERMANY** PcVue GmbH  
Mohnweg 2 A  
84079 Bruckberg  
Deutschland  
tel + 49 8765 938 435  
fax + 49 8765 938 437  
email: [info@pcvue.de](mailto:info@pcvue.de)  
web: [www.pcvue.de](http://www.pcvue.de)

**SWITZERLAND** PcVue GmbH  
Harzachstrasse 2b  
8404 Winterthur  
Switzerland  
tel + 41 52 682 19 38  
fax + 41 52 682 19 58  
email: [info@pcvue.ch](mailto:info@pcvue.ch)  
web: [www.pcvue.ch](http://www.pcvue.ch)

**UK** Control Technology International  
Regal Chambers  
49/51 Bancroft, Hitchin  
Hertfordshire, SG5 1LL England  
tel + 44 1 462 45 77 00  
fax + 44 1 462 45 33 77  
email: [info@ctiweb.co.uk](mailto:info@ctiweb.co.uk)  
web: [www.ctiweb.co.uk](http://www.ctiweb.co.uk)

**USA** PcVue Inc  
10 Tower Office Park,  
Suite # 204  
Woburn, MA 01801 - USA  
tel + 1 781 569 0646  
fax + 1 781 569 6105  
email: [pcvueinc@arcinfo.com](mailto:pcvueinc@arcinfo.com)  
web: [www.pcvueinc.com](http://www.pcvueinc.com)

**SINGAPORE** PcVue Sea  
371 Beach Road  
#02-12 Keypoint  
Singapore 199597  
tel + 65 6396 9186  
fax + 65 6296 0943  
email: [pcvuesea@pacific.net.sg](mailto:pcvuesea@pacific.net.sg)  
web: [www.pcvue-sea.com](http://www.pcvue-sea.com)  
hotline: Tel + 60 3 7957 5187

**CHINA** PcVue China  
Representative Office  
1 WanHangDu Road, Building B,  
Office 702, Jing An District,  
200040, Shanghai, P. R. China  
tel + 86 21 3214 0708  
fax + 86 21 3214 0733  
email: [n.trang@arcinfo.com](mailto:n.trang@arcinfo.com)

FRANCE - Aix Office  
tel + 33 4 42 52 36 83  
fax + 33 4 42 29 74 55  
email: [arcaix@arcinfo.com](mailto:arcaix@arcinfo.com)

FRANCE - Grenoble Office  
tel + 33 4 76 18 29 12  
fax + 33 4 76 41 06 71  
email: [arcgrenoble@arcinfo.com](mailto:arcgrenoble@arcinfo.com)

FRANCE - Lyon Office  
tel + 33 4 78 35 93 93  
fax + 33 4 78 35 35 92  
email: [arclyon@arcinfo.com](mailto:arclyon@arcinfo.com)  
hotline: Tel + 33 4 78 35 93 54

FRANCE - Strasbourg Office  
tel + 33 3 88 21 02 10  
fax + 33 3 88 21 02 11  
email: [arcstrasbourg@arcinfo.com](mailto:arcstrasbourg@arcinfo.com)

**also:** Argentina, Australia, Benelux, Brazil, Canada, Chile, China, Finland, Greece, India, Indonesia, Italy, Kuwait, Latvia, Lithuania, Malaysia, Morocco, Pakistan, Poland, Portugal, Russia, South Africa, Spain, Syria, Taiwan, Thailand, Tunisia, Turkey, UAE, Ukraine, Venezuela etc.