

Apollo



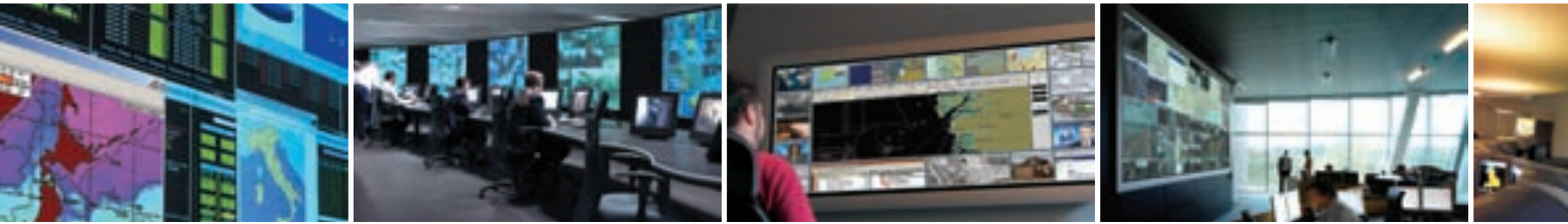
Desktop & display management

BARCO

Visibly yours

APOLLO desktop & display management software is mainly used in Barco's control room solutions. More specifically, it is used in operational environments where large amounts of information and sources need to be managed. The built-in automation features allow operators in the control room to focus fully on the important tasks. If desired, APOLLO allows tight integration with custom applications so that operators do not have to learn new tools or user interfaces when APOLLO has been installed.

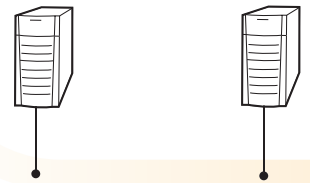
Designed with flexibility and functionality in mind, APOLLO with its multitude of tools is able to reliably follow operator workflows and custom business processes. This ability to adapt to any possible situation makes it the preferred software package for any display in a control room or meeting room environment. APOLLO can be installed on any Windows 2000 or XP system, but makes use of Barco's hardware acceleration to manage even more information.



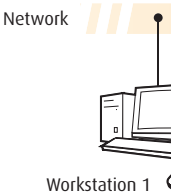
Efficient operation and configuration of displays

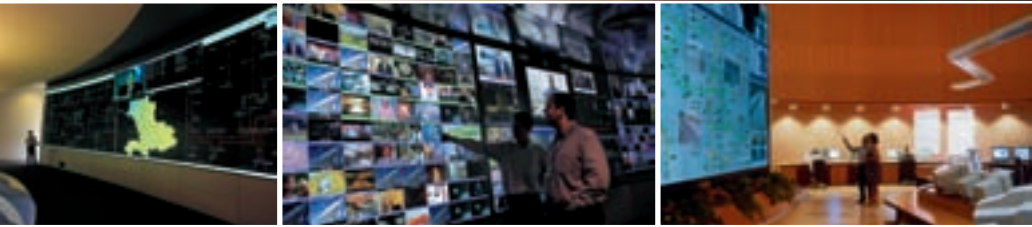
- APOLLO's **Viewers** make use of the advantages of Barco's hardware acceleration to display analog video, streaming video, RGB computer images as well as local and remote server applications on the LAN. Software only viewers like the networked desktop viewers are useful on any display or PC. APOLLO can be installed on any off the shelf PC or server, allowing the user to immediately take advantage of the increased efficiency and availability of network sources.
- Any computer source can be shown on any display on the network, as well as remotely controlled using the local and remote keyboard. The viewers (COTTUS VIEWER, PRO VIEWER, VNC VIEWER or SCN VIEWER) can run on any MS Windows PC.
- These Remote Screen Viewers enable operators to access and display the screen contents of any Windows workstation in the LAN as well as control it with the local keyboard and mouse without a need for special hardware.
- APOLLO's scenario management allows to automate all supported user actions. Time or trigger event based scenarios make the operator's task easier and allow the operator to concentrate more effectively on the task at hand.
- Device-specific property sheets provide operators with detailed system status information.
- The Control Room Configurator is a visual and interactive tool, assisting the definition of the structure of the whole display system on the basis of

Application Server Unix Application Server Windows



- predefined icons; the result is a detailed drawing of your system and complete set of configuration files.
- Remote controlling and monitoring of displays is managed by Apollo. The remote desktop provides a representation of the actual content available on the display. Additionally a data preview can be provided for the actual live data displayed on the remote display, providing a full overview on the system even in remote locations.





- assists your operation mode
- always the right information at hand
- all types of information sources
- displays & display walls of any size
- fast information switching
- extensive remote control & monitoring capabilities
- integrates into your infrastructure
- adapts to growing needs
- lifetime support of your display wall
- runs on standard pc's as well as Barco systems

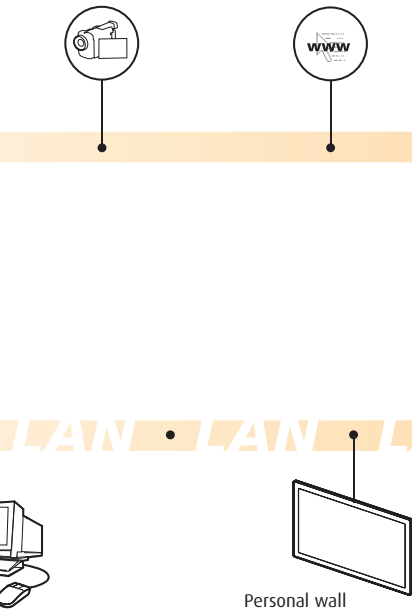
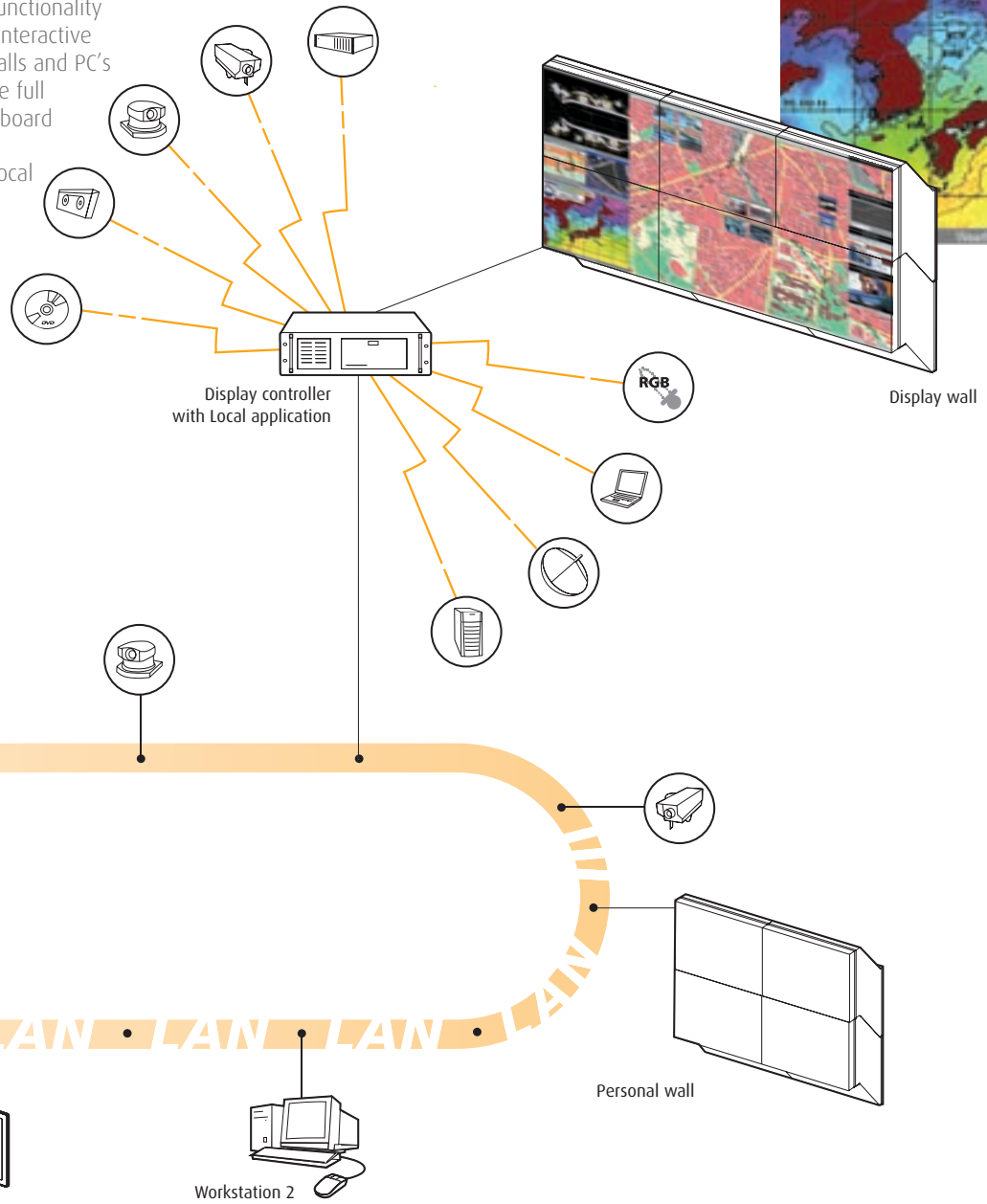
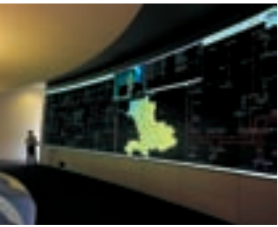


Personal wall



Integration of all information sources

- Apollo enables operators to have a "total process overview" on the large, high resolution display area as well as fast access to all related details in case of alarms.
- Apollo's **Desktop Management** contains the functionality for defining, activating and deactivating sets of application windows and display information provided by data sources or application programs.
- Operators can switch between different sets of information with a single button click.
- The **Remote Pointer** functionality provides operators full interactive access to the display walls and PC's on the network with the full range of Windows® keyboard and mouse interaction capabilities from their local workstations.
- The ability to remotely control any number of windows, their size, position and displayed sources, makes the wall a flexible display for baseband analog video and compressed streaming video.
- Video windows can be positioned anywhere on the wall, even on top of applications, e.g. streaming camera windows on top of GIS data. This gives a totally integrated view for users, something which is not possible or easy to achieve on standard PC systems.





Interactivity and flexibility

- A user-friendly **network-centric graphical user interface** allows operators to supervise and manage devices, sources, applications, windows and other objects from their local workstation. Operators can choose to have only a small, simple subset of the functionality, the complete set of user interfaces or anything in between.
- The **Application Programming Interface (API)** allows integrating wall management into application specific solutions.
- Barco promotes interoperability and as such Apollo provides several ways of integration with software and hardware. A SOAP API provides standard-based access to all of Apollo's functionalities. For legacy systems serial and TCP/IP connectivity is provided.
- For displaying standardized sources Apollo provides a set of **remotely controllable viewer applications**. Viewers are available for web information, baseband video, RGB-signals, server applications from the LAN, video files and streams from video servers, compressed streaming video, ...
- Operators can "connect" any viewer to different sources, without the need to configure a separate layout for each of the available sources.
- As an alternative to interactively starting applications and arranging windows, **layouts** can be used to store the definition of complete displays for reloading them with a single button click at a later point in time. This is especially useful in combination with Apollo's **scenario management**.
- Apollo's optional Cortus Gateway package allows you to record and playback data views from displays, display walls, PC's or servers in order to evaluate crisis handling or for training purposes.

Apollo desktop & display management software

APOLLO is a true client server application consisting of independent services that can be combined according to your individual requirements. Additional services may be activated at any point in time, while keeping the overall functionality of your system synchronized with your operational needs.

desktop management

- Manipulate windows
- Launch applications
- Regions support
- Load/unload layouts
- Modify layouts on the fly

layout editor

- Configure shortcuts, windows, layouts
- Offline or online editing
- User definable snap-to-grid
- Drag and drop functionality

remote pointer

- Use local mouse/keyboard on the wall
- Control multiple displays
- Control several display walls
- Control displayed sources
- Squid mode: seamless switching from local to remote systems

viewers

- Specialized for video, screen content, RGB, Web source ...
- Remote control interface
- Switch source at runtime
- Blanking images
- 4 in-display-captions (UMDs)
- display image on signal loss
- Events: mouse click in window detection

control room explorer

- Comprehensive Management Console
- Explorer style
- Unlimited number users
- Access objects and devices
- Load/unload layouts
- Launch applications
- Manipulate windows
- Control several displays centrally
- Customizable
- Preview remote displays

multi user - multi display

- True client-Server application
- Unlimited number of users
- Unlimited number of walls

API

- Integrates with 3rd party control systems
- Integrates display & desktop management features into customer applications
- All user interface functions available
- Create action sequences (e.g. video touring)
- Automatically launch actions

serial device interface

- Trigger actions through RS232
- Control external devices
- TCP/IP interface
- Control external devices

software based

- 100% Microsoft Windows 2000 and Windows XP® compliant
- TCP/IP based
- Source integration

access management

- Set user permissions per object
- Permission to see, access, manipulate
- Authentication based on Windows login

redundancy

- Uninterrupted operation
- Hot standby server
- Redundant real-time database

scenario management

- Sequences of actions
- Built-in touring support
- Absolute time triggers
- Relative time triggers
- Easy to use user interface
- Multiple concurrent scenarios
- Many examples; predefined scenarios
- Automate loading and unloading of layouts
- Automatically start and stop applications
- Control displays

Ref. no. R599733PBE0308R001

Barco Control Rooms is an ISO 9001 registered company.
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.
Windows, Windows 2000 and Windows XP are registered trademarks of Microsoft Corporation
© November 2005 by Barco

Barco - Belgium
President Kennedypark 35, 8500 Kortrijk
Phone (32) (56) 262031
E-mail sales.controlrooms@barco.com

Germany Phone (49) (721) 6201-0
USA Phone (1) (678) 475-8000
Brazil Phone (55) (11) 3842-1656
Japan Phone (81) (3) 5762-8720
Hong Kong Phone (852) 2397-0752

BARCO

Visibly yours