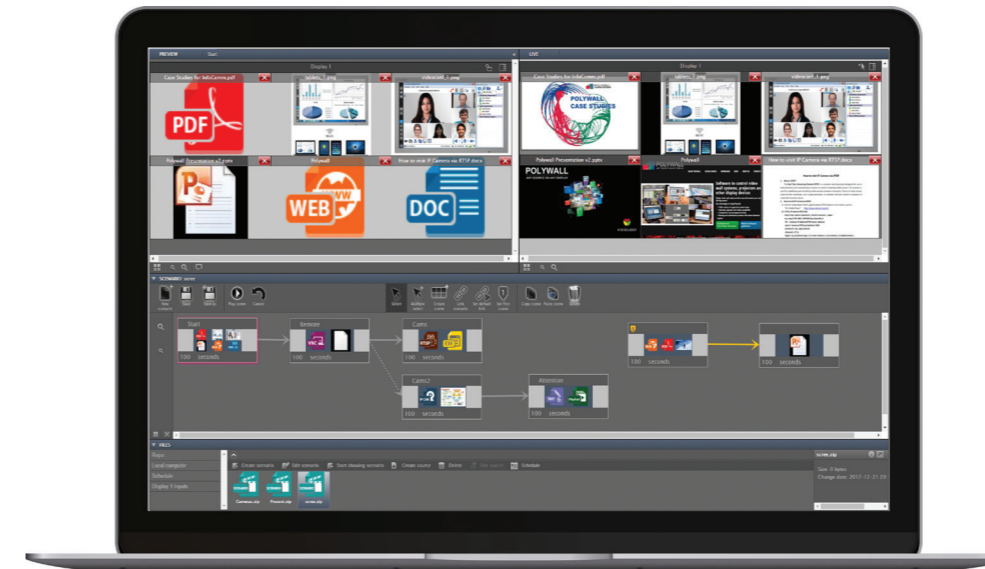




ABOUT POLYWALL

Polywall is a cost effective solution for any video wall project requiring high performance and reliability in an easy-to-use platform. You can easily install it to a video wall controller and show any information you want on the big screen. Unique combination of simple and appealing user interface, extensive set of video wall management features and enterprise-level security and reliability makes Polywall a perfect solution for every project. Polywall is implemented in more than 300 projects all over the world.



Key advantages of using Polywall

- Simple installation and administration
- Hardware agnostic and widely compatible
- Access to direct technical support, including trainings and certification
- Competitive and transparent pricing

Download free trial at www.polywall.net

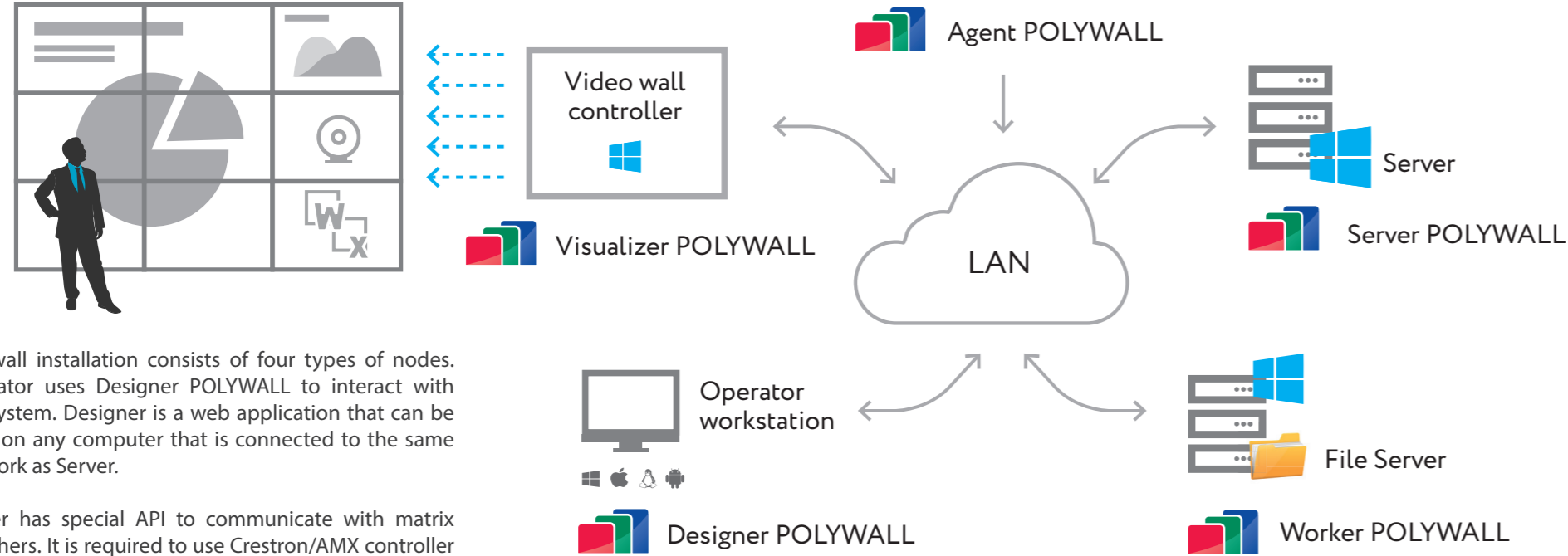


Polywall Mobile

- Covers all functions of Designer POLYWALL
- Portable
- Easy to manage sources with drag and drop control
- No restriction on source types
- Full product technical support



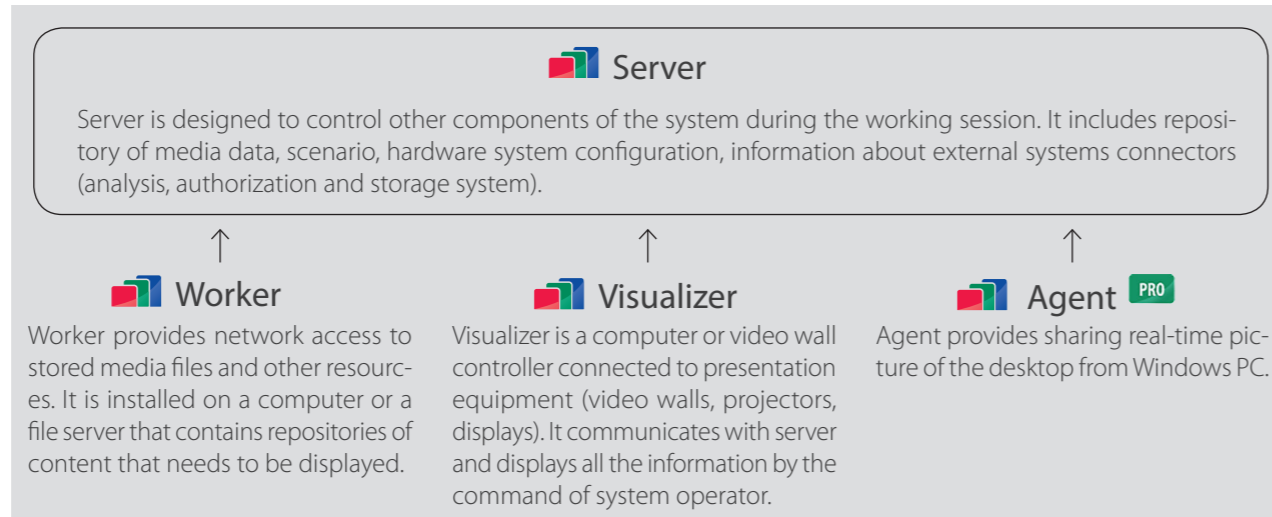
POLYWALL COMPONENTS



Polywall installation consists of four types of nodes. Operator uses Designer POLYWALL to interact with the system. Designer is a web application that can be used on any computer that is connected to the same network as Server.

Server has special API to communicate with matrix switchers. It is required to use Crestron/AMX controller as a gateway to matrix switching equipment. However, customer can create his own implementation of hardware gateway as Server POLYWALL API is open.

One of the most simple deployment options is to install all Polywall software modules to one standalone video wall controller. This controller has to run Windows 7, 8 or 10 and have compatible graphic cards installed. For basic video wall projects AMD Eyefinity or Nvidia cards are a good option. However, for larger video walls specialized graphic cards are recommended such as Datapath or Matrox. Polywall software might be installed on top of existing operating system or preloaded together with Windows Embedded image. Second option is preferable for manufacturers of standalone video wall controllers. So, in this case the only hardware required for the project is Windows-based video wall controller and displays.



FEATURES	POLYWALL	POLYWALL PRO
GENERAL		
Multiple display support	•	•
Video wall support (with controller)	•	•
Multiple simultaneous user connections	•	•
Browser-based user interface	•	•
Third-party control API (for Crestron/AMX integration)	•	•
User-interface languages supported — Arabic, Chinese, English, French, German, Italian, Portuguese, Russian, Spanish and Turkish	•	•
Graphic Server Redundancy		•
Advanced role management		•
Active Directory integration		•
Encryption		•
Event logger		•
CCTV features		•
VISUALIZER (display agent)		
Recovery after restart	•	•
Autostart option	•	•
CONTENT		
Images, Video, Live IP video stream (RTSP), Remote Desktop over IP (VNC), PowerPoint, Word, PDF, Excel, Text, IP camera	•	•
Web page	•	•
Hardware input	•	•
Switched hardware input (Matrix switcher support)	•	•
Local applications control	•	•
SHOW CONTROL		
Live content placement control	•	•
Live content playback options control (select ppt slide, start/stop video, etc)	•	•
Live image from the video wall/display in user interface	•	•
Preview pane for preparing layout before showing it	•	•
Scenarios (playlists) including non-linear sequences	•	•
Display-specific grids for easy content placing	•	•
Scheduling	•	•
SPECIAL HARDWARE SUPPORT		
Datapath, Matrox	•	•

POLYWALL IN COMMAND CENTER

The term 'Command Center' includes a wide range of formations such as Crisis Centers, Military and Space Command Control, Analytic Centers for government bodies. Their main aim is to provide support for better collaboration and encourage decision-making process under time pressure and stressful environment.

Being in charge of real-time data monitoring and analysis such centers include various types of challenges such as:



Command Center structure consists of several essential components:

- Data collection (computers, servers, data bases).
- Data transmission (local and global computer networks, communications channels).
- Data analytics (Business Intelligence systems including OLAP).
- Visualization (displays, software for data visualization, tools for interactive control).
- Data storage (servers, special equipment for data recording and storage).
- Data security.

One of the basic conditions for effective decision-making is relevant and high-speed visualization for the collective use. Video walls are able to broadcast large amounts of information from various sources according to different scenarios which helps to create a uniform information context for all the participants.

Typically Control Rooms have a wide variety of data sources and it is often difficult to manage them effectively even on a single high-resolution screen. Polywall can help you make this process a breeze.

Advantages of Polywall for Command Center

LIVE CONTENT PLACEMENT AND CONTROL OPTIONS

Using Polywall software it is possible to visualize the interactive content from IP-cameras, TV, Skype and other messengers, organize multilateral video calls.

STABLE OPERATION AT PEAK LOADS

The application allows to manage unlimited number of sources by any number of operators, their number does not affect quality and speed of work.

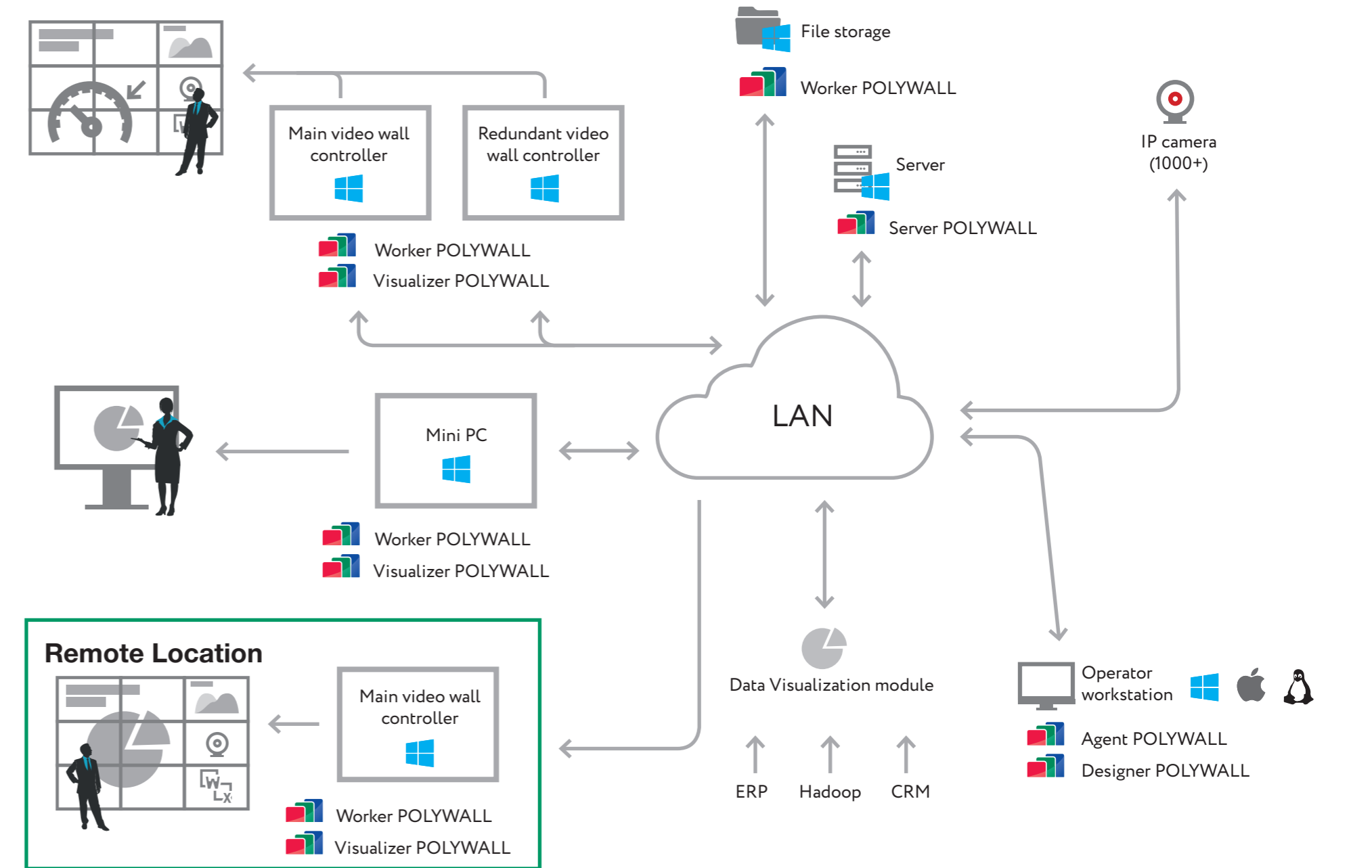
DATABASE INTEGRATION

Polywall is easy to integrate with corporate database, BI system or cartographic services, such as GIS.

DATA VISUALIZATION

Polywall Data visualization module provides facilities to conduct data analysis, using information from corporate ERP and CRM systems.

Project Scheme Example



POLYWALL IN NETWORK OPERATION CENTER (NOC)

The main task of NOC is to ensure the smooth operation of data networks, storage systems, computing resources and client services. Center engineers can work with both customer requests and failure alarm coming from automatic infrastructure monitoring tools. Video wall is an absolute must-have for a modern NOC, especially as it has an impressive number of significant advantages:

- HIGH INFORMATION CAPACITY**
 it's possible to show data from several sources on the screen
- POSSIBILITY TO SHOW A DYNAMIC INFORMATION**
 that enables to follow the nature of change during data monitoring
- ABILITY TO CONNECT VARIOUS SOURCES:**
 computers, IP-cameras, measuring sensors, BI system, etc.
- RAPID SCALABILITY**
 size of the video wall can be easily increased in accordance with the current needs



Advanced NOC can be subdivided into several working groups: Help Desk, First Level and Second Level Operations. Working in a close cooperation they require extensive facilities to maintain a high level of collaboration.

Advantages of Polywall for NOC

UNIFIED WORKSPACE
 The software provides multiple simultaneous connections and advanced role management facilities, making it possible to restrict access rights and to build the hierarchy.

HIGH LEVEL OF SECURITY AND RELIABILITY

- Graphic Server Redundancy is backed up on the video wall controller to preserve it in case of failure;
- User system settings restore after restart;
- Active Directory integration ensures connection to the existing user authentication system;
- Encryption: reliable data protection.

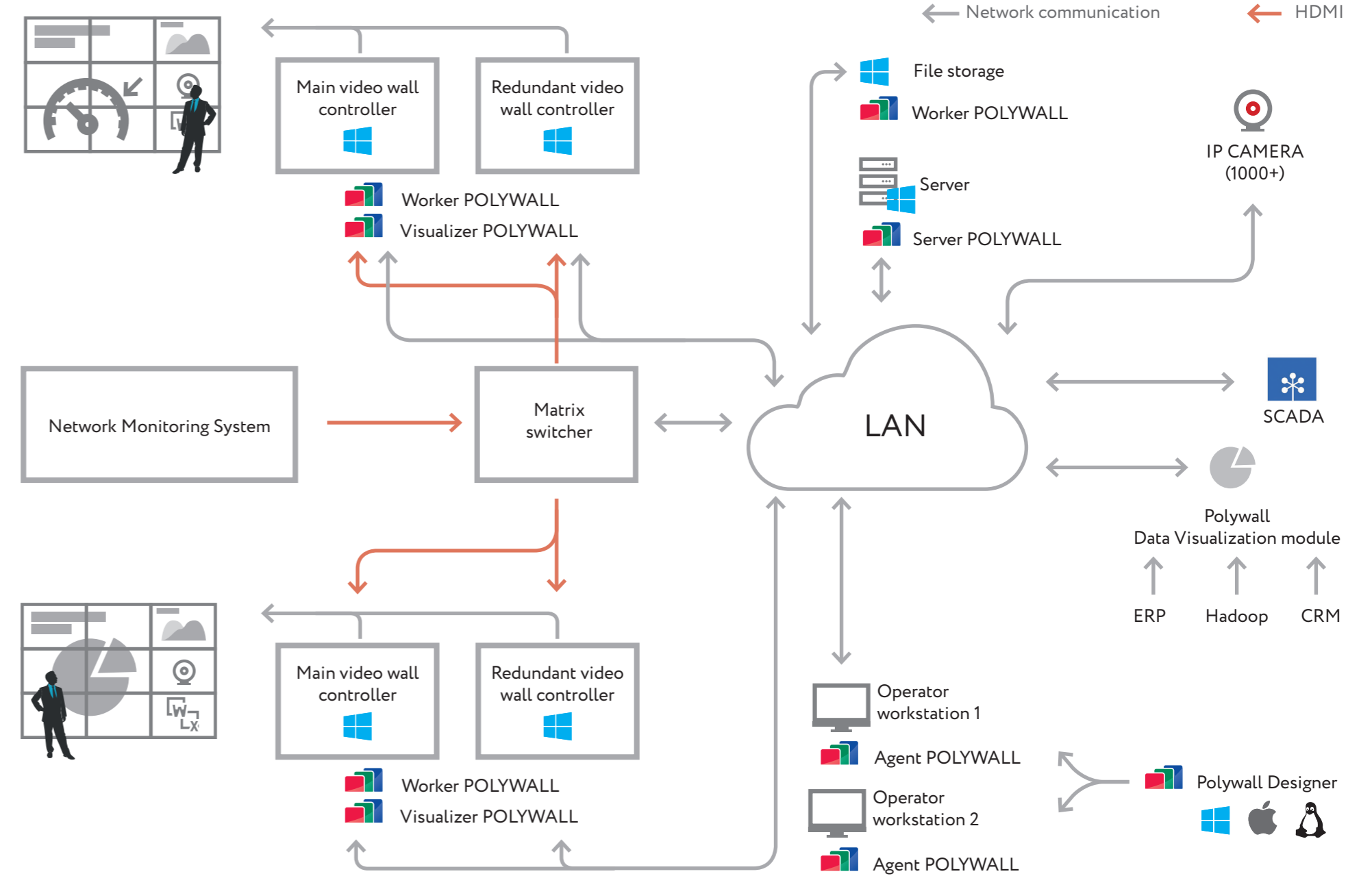
FLEXIBLE INTEGRATION

Polywall supports integration with all key corporate software. It can show information from BI systems, network monitoring systems (SCADA), mapping applications (GIS) and messengers, realize live IP video streaming (RTSP) and demonstrate remote Desktop over IP (Agent POLYWALL).

SMOOTH 24/7 OPERATION

Typically NOC performs in the round-the-clock mode. With the help of Polywall it's possible to create a multi-level scenario with partially automated operation.

Project Scheme Example



POLYWALL IN CONFERENCE HALL



Conference hall is a multifunctional space intended for official events: conferences, meetings, presentations, ceremonies. Depending on the configuration and equipment, it can carry out various functions serving as a platform for corporate training, annual staff meetings, or even for presentations for the media or customers.

Design and equipment significantly affect the effectiveness of the meeting therein. Speaker, his presentation, demonstrated goods must be clearly visible from every corner of the room. Modern visualization tools become an ideal solution in this case. Video wall is an easy and convenient way to meet this challenge. Composed of video cubes it can be scaled according to the current needs. Furthermore advanced visualization capabilities enable an effortless creation of high-impact presentations.

For the best coverage presentation from the main video wall can be broadcasted on the additional screens at the back or in neighboring rooms. Polywall software makes it possible to manage all presentation equipment (video wall displays, projectors) using a single user interface. Access to the application is possible from any device comfortable for the user, whether it is computer or tablet.



Advantages of Polywall for Conference Hall

SIMPLE INTUITIVE CONTROL

Polywall does not require any specialized pre-training, its interface is intuitive and provided with all necessary supporting information. The system contains Display-specific grids for easy content placement.

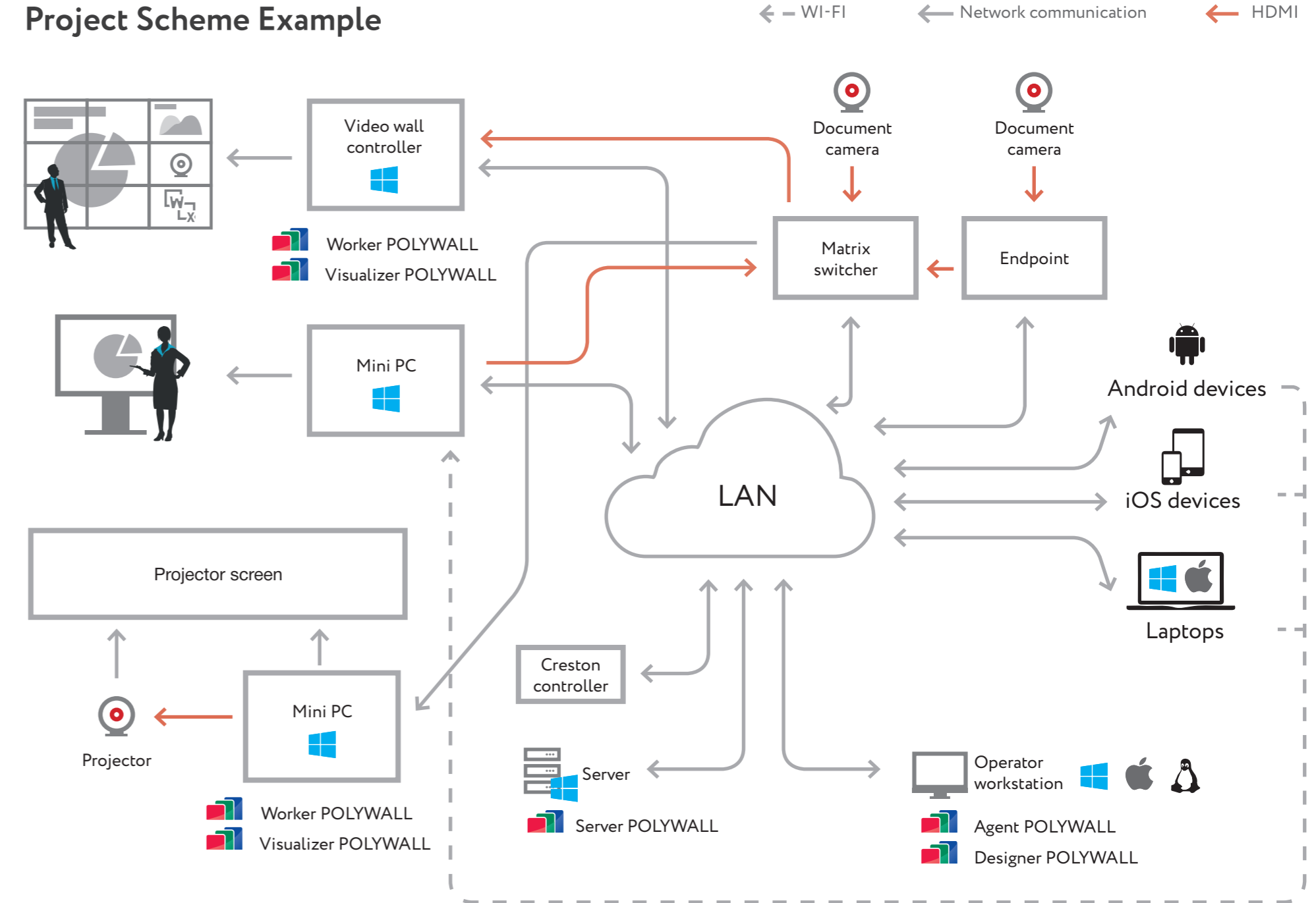
EASY ACCESS FROM ANY DEVICE

Polywall has browser-based user interface, which allows operators to connect to the server from any available device, irrespective of the operating system. With Polywall Mobile application for iPad it's possible to manage a video wall from a tablet.

EXTENSIVE DEMONSTRATION CAPABILITIES

Polywall enables to display different types of content: both static (Power Point, Word, Excel, PDF, images) and interactive (video, web pages, live broadcasting, streaming). You can display simultaneously different sources and scale them in real-time.

Project Scheme Example



POLYWALL IN BOARDROOM

World goes global and both internal and external everyday communications are essential for the business success. In this environment boardroom became a multi-purpose space used for meetings, negotiations, conferences and product demonstrations. Its equipment, utility and design have a significant impact on the company's operation.

Companies with geographically distributed structure or large affiliate network need to pay special attention to the video conferencing capabilities. Video wall for the boardroom is a modern and practical solution that expands boundaries of the teamwork during the negotiations and meetings.



Video wall powered by Polywall software can solve several tasks of the boardroom at once:

- Information display system intended for visualization of information of the meeting participants.
- Video conferencing aimed to hold meetings with participants located in different offices, cities and countries.

With Polywall it is easy to manage piles of presentations, start them with a single drag & drop or to synchronize several presentations (even on separate displays). You can show media files that support your event like videos, animations, live feeds, etc.

Advantages of Polywall for Boardroom

EASE OF CONNECTION AND CONTROL

Polywall control panel is accessible through the browser. It can be reached by several operators at once that makes possible to all the meeting participants to display the data they have on the same video wall.

LOCAL NETWORK CONNECTION

All company's employees can connect to the video wall via Polywall software. The system administrator can control access rights and assign a hierarchy.

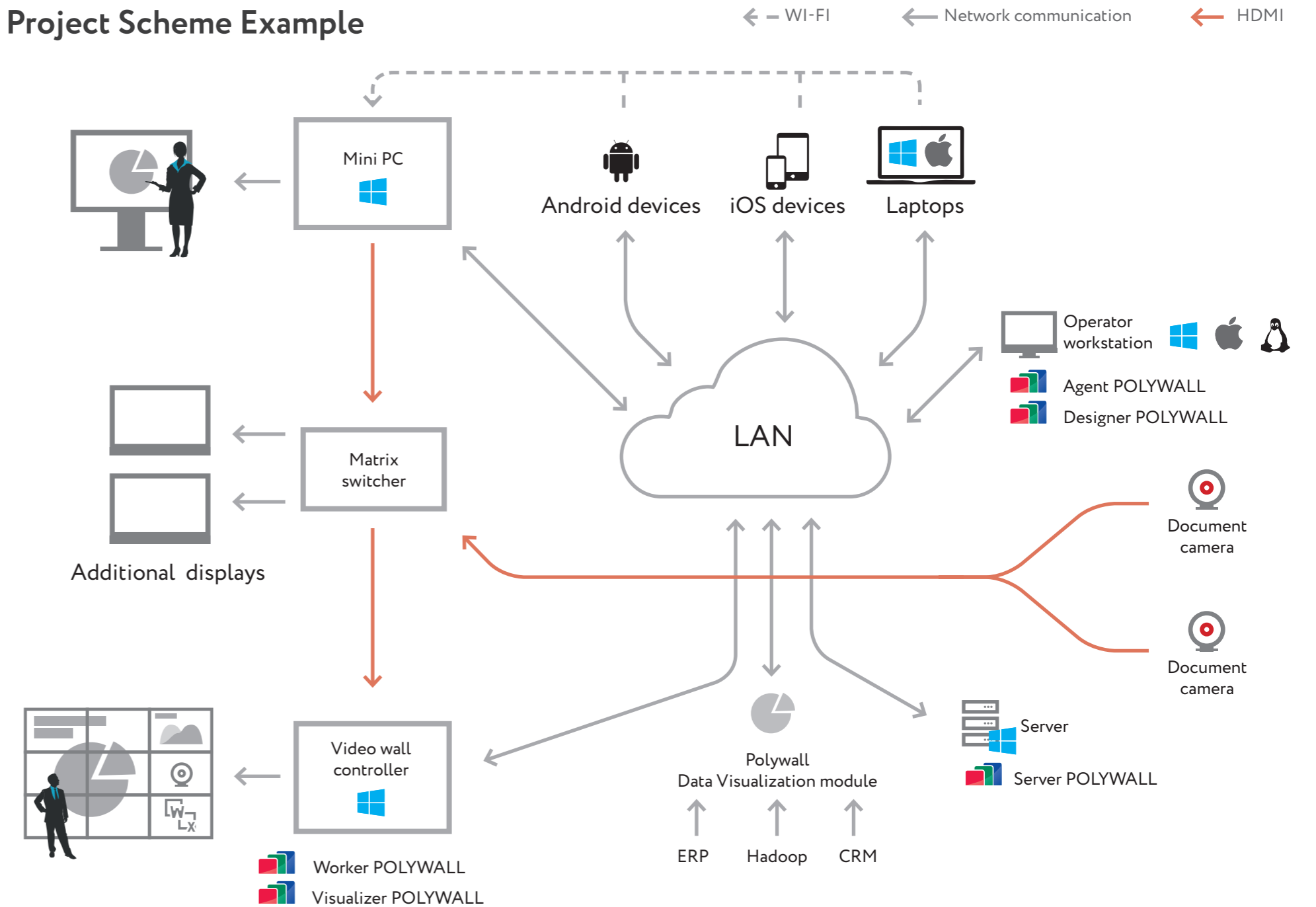
ADVANCED PRESENTATION FACILITIES

Polywall supports the display of materials in various formats (PDF, Word, Excel, images, videos, web-pages), as well as web streaming and broadcasting.

INTERACTIVE ANALYTICS

Polywall provides its own facilities to conduct data analysis, using information from corporate ERP and CRM systems. Data visualization module is able to perform primary function of BI platform or to complement it with the interactive dashboards.

Project Scheme Example



POLYWALL IN SECURITY CENTER

Security Center is the surest way to improve the infrastructure safety of public and private facilities. Operating in 24/7 format it collects and analyzes information from multiple cameras of video surveillance. Security rooms require the most reliable equipment able to operate in high performance mode. Scaling and modernization capability are also important considerations.

Video wall for the Security Center has a range of must-have features which derives from its mission. It must be able to monitor multiple objects simultaneously and quickly switch to the individual ones, with the ability to promptly scale the image.



Advantages of Polywall for Security Center

EXTENSIVE STREAMING CAPACITY

Polywall is designed for connecting a large number of IP-cameras (the number depends on the power of the controller) and high speed video streaming.

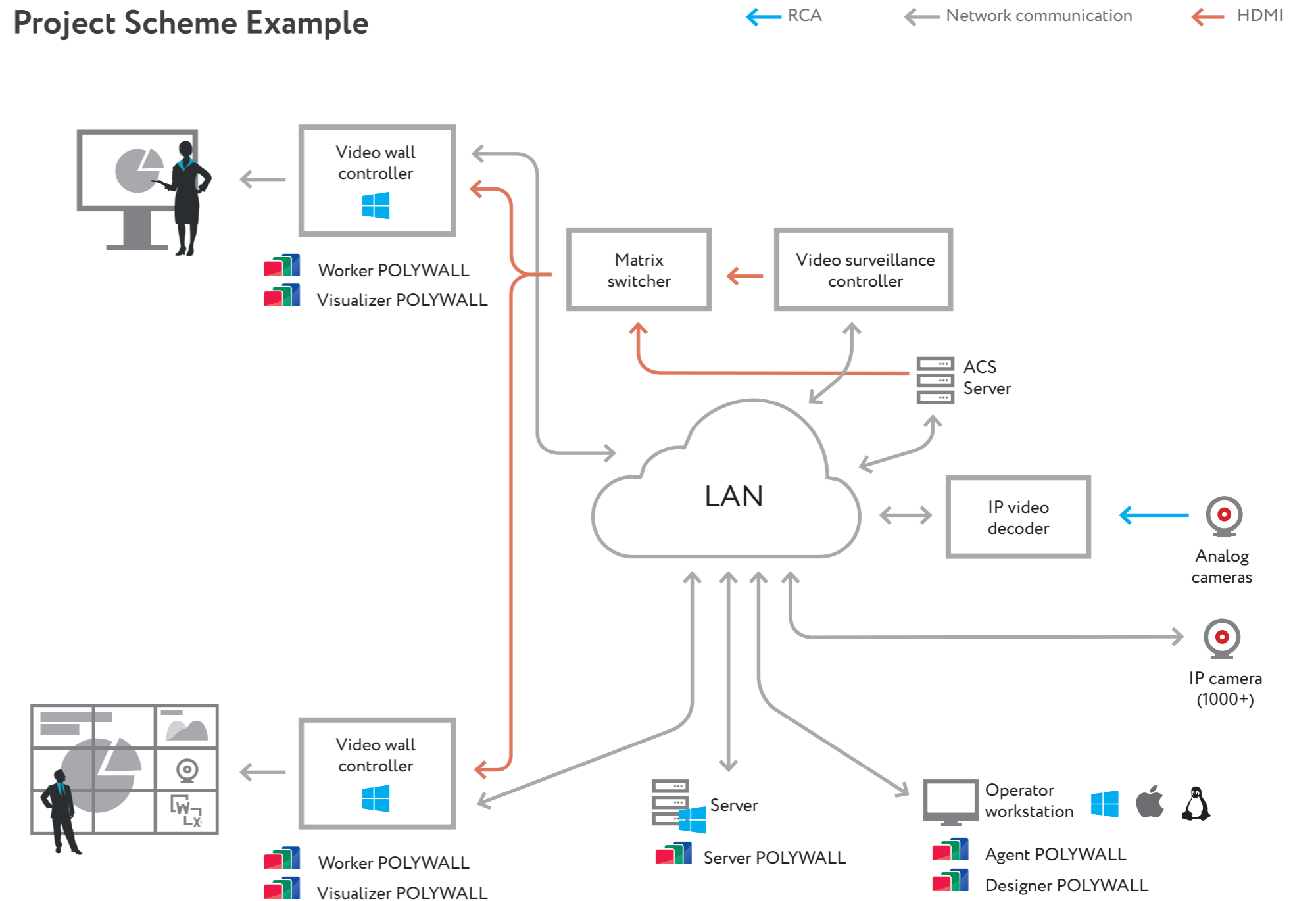
REAL-TIME SCALING

Operators of the Security Center can place and scale necessary content on the video wall in real time to assure better surveillance of the locations which require special attention.

SMOOTH OPERATION AND DATA PROTECTION

- Recovery after restart function ensures that the most important information and scenarios are not lost in case of system failure or power cuts;
- Encryption provides reliable data protection against illegal access and data leakage.

Project Scheme Example



POLYWALL IN DIGITAL SIGNAGE

Modern methods of advertising have gone far beyond a simple information display. The main challenge for marketers now is to maintain a constant information flow and keep the viewer involved. For this reason Digital Signage became a perfect tool to influence the minds. It offers wide opportunities to hold attention without being obsessive.

Digital Signage provides the ability to mix useful and interesting information for the audience with advertising messages and easily combine them, creating a bright and well-catchy corporate appearance. It is a universal interaction channel with all stakeholders.



Digital Signage application areas:

- Information board (schedule of flights and trains, announcements);
- Billboards (information about special promotions and sales, brand, goods and services advertising);
- Help and support systems (indication of routes in large shopping centers, queue management systems, interactive information booths);
- Corporate TV (domestic news broadcast, information for customers and employees);
- Creative solutions (screens placement with artistic purpose).

There are many solutions available on the market that can turn a display into the remotely controlled advertising billboard. However, most of these solutions are built by engineers for engineers. Digital Signage systems are usually managed by marketing professionals and they do not want to waste time on complicated trainings. The solution is using Polywall software.

Advantages of Polywall for Digital Signage

MULTIPLE DISPLAY MANAGEMENT

Simultaneous display of different content on various types of displays (screens, video walls), synchronization and show order setting.

BROWSER-BASED USER INTERFACE

Easy access to the system from any computer and mobile device. It does not matter what operating system you use, Polywall control panel will be accessible from any computer.

SCHEDULING AND SCENARIO FUNCTIONS

With the help of Polywall everyone can easily create dynamic presentations and play scripts.

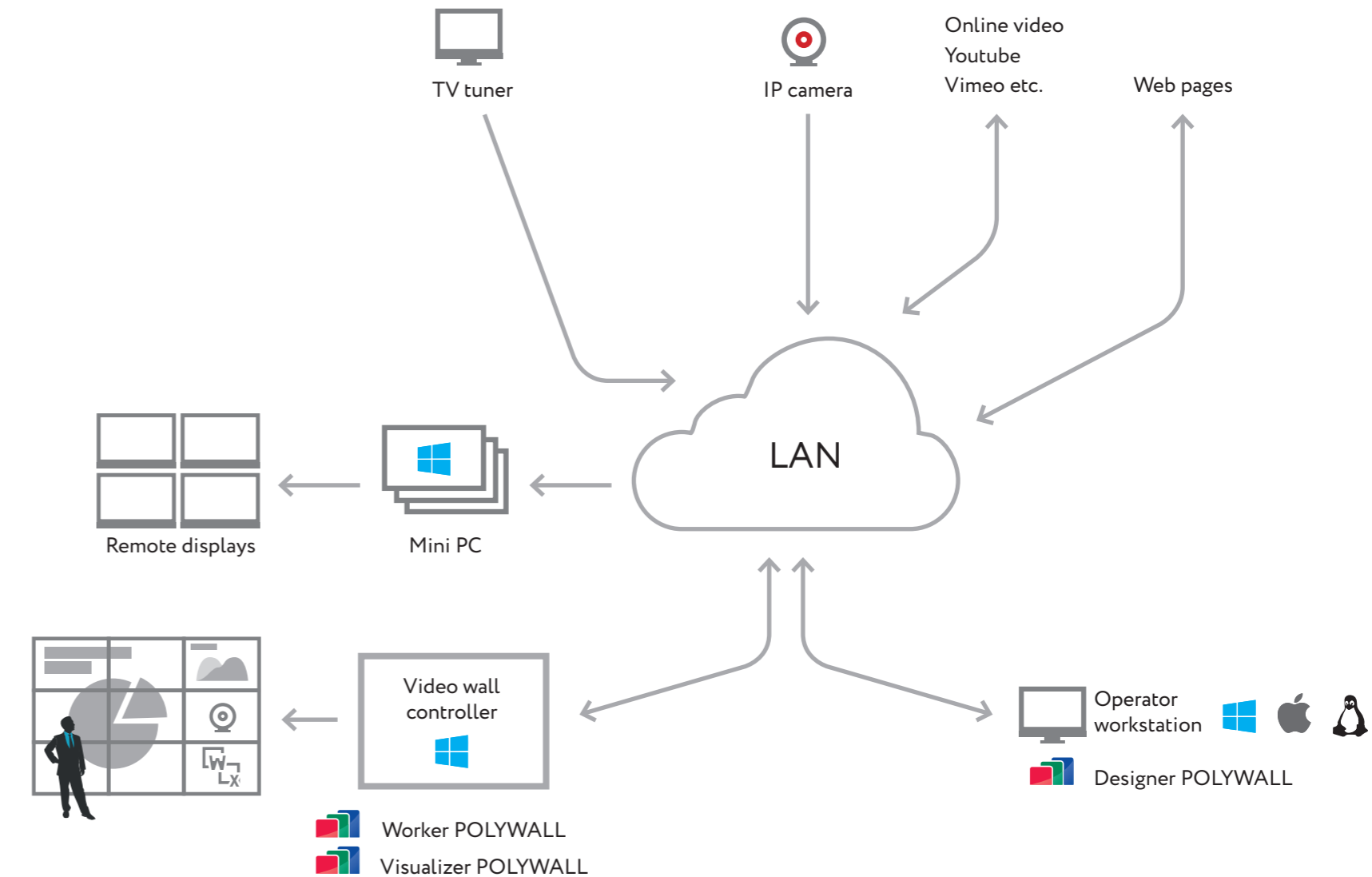
INTERACTIVE CUSTOMIZATION

Content downloaded from the continuously updated sources (web pages, database) will be interactively renewed with each subsequent display.

24/7 OPERATION

There is no need for constant system control, as there is a possibility to create multiple play scenarios with deferred launch and schedule an ideal reproduction scenario.

Project Scheme Example



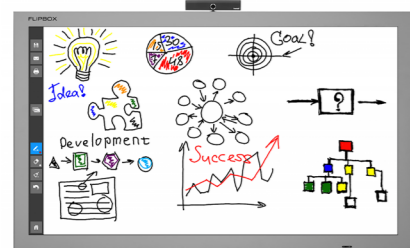
OTHER VISOLOGY SOFTWARE

Flipbox Software Suite is the powerful software to enhance group collaboration through the use of any touchscreen or interactive whiteboard.



SCREEN MIRRORING FOR NOTEBOOKS AND TABLETS

Easy wireless display of the notebook desktop. Connection with any types of devices (laptops, tablets, smartphones) and main operating systems (iOS and Android).



DRAWING

Flipbox can be used as a substitute for a usual marker whiteboard or a flip chart. You can write with digital ink, print records, save them to flash drives and send by e-mail.

FLIPBOX SOFTWARE SUITE

www.flipbox.net

With Flipbox Software Suite you can sketch, present documents, browse the Internet, wirelessly display laptop or tablet screen, set-up videoconferencing – basically, everything needed to impress your audience and increase your team’s productivity!

Many software solutions for interactive displays and whiteboards that are on the market today were designed



WEB BROWSER

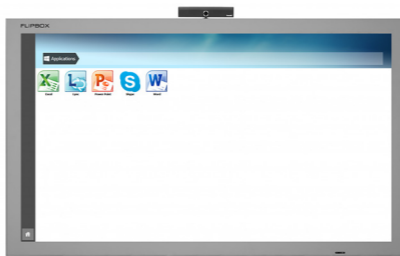
With Flipbox built-in browser you can browse Web pages, search information on the Internet and use Web applications.



VIDEOCONFERENCING

Flipbox supports cloud-based software videoconferencing powered by TrueConf. Compatibility mode now allows running Skype, Microsoft Lync, Cisco Webex and other video collaboration tools.

for elementary education purposes and do not entirely correspond to the needs of modern businesses and higher education establishments. That is the reason why the majority of existing interactive display and whiteboard solutions have just basic utilities and capabilities. Flipbox Software Suite can bring this expensive hardware back to life. And once you have PC and touchscreen you don’t have to buy any additional hardware – simply install Flipbox.



FILE BROWSER

Administrator can preinstall Windows applications on Flipbox (like Skype or Microsoft Lync). Then you can easily start these applications from Flipbox user interface.



FILE BROWSER

Presenting has never been so easy — simply connect a USB flash drive and select a file you want to show. Flipbox supports displaying still images, video and popular office formats such as MS Office and PDF.

VISOLOGY ANALYTICS PLATFORM

The use of the Visiology analytics platform allows to improve the quality of management decisions by achieving key deployment goals.

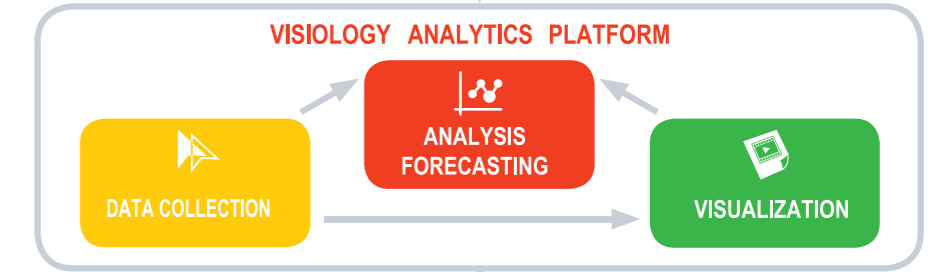
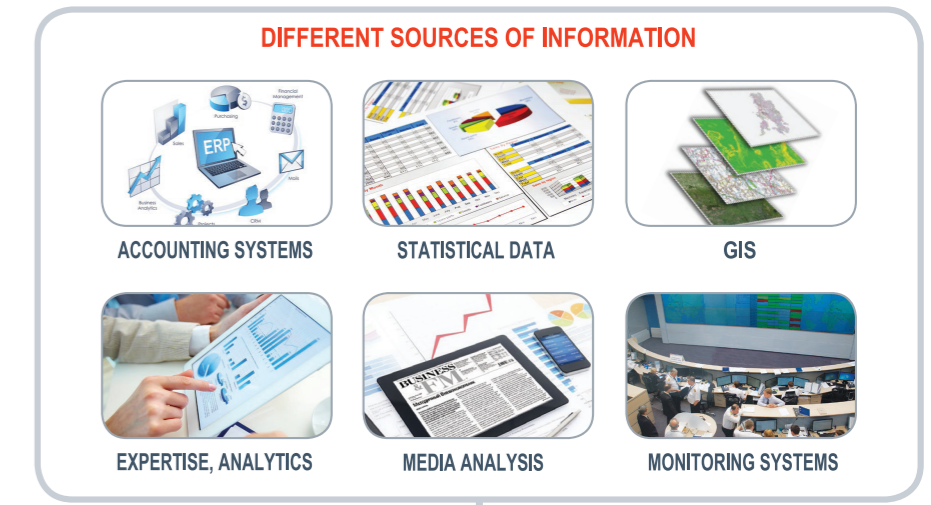
If you are interested, please send your request for additional details and demo to info@visiology.com.

EXAMPLES OF PROJECTS

Construction company. Project portfolio management.



International corporation. Business trips efficiency analysis.



1 Analytical reports and forecasts for strategic planning and operational management





VISIOLOGY
www.visiology.com

FLIPBOX
www.flipbox.net

 **POLYWALL**
ANY SOURCE ON ANY DISPLAY
www.polywall.net

Visiology is a software company focused on creating data analysis and visualization products and collaboration tools. Our mission is to help commercial and government organizations to increase the quality of management decision making through the effective work with information.

Visiology business is based on innovation combined with a deep understanding of the market. We create simple and easy-to-use products designed to facilitate the visualization of information at each step, from data entry to perception. We are convinced that high-performance systems must be not only easy to use and reliable, but also cost-effective. These principles enabled us to become in a short time one of most dynamically growing companies in the global audiovisual industry.

300+
projects
worldwide

150+
partners all over the
globe

