



Movicon[®]
BUILDING AUTOMATION

**Integrated and
flexible supervision
for every type
of building.**





The Progea team: The Scada/HMI experts.

Progea has been operating since 1990 and committed to producing powerful and innovative automation software. Their vast experience, united with the most innovative technological solutions, make the Progea team 'experts' in Scada/HMI solutions which can be applied to all civil and industrial automation sectors. Movicon™ is their Scada/HMI solution designed for simplicity of use, accompanied with complete documentation and a website support center dedicated to customer support and providing the developer community with rich useful information and examples, to

minimize the need for direct Technical Support Team contact. The Training, Support and solution provider services are guaranteed to assist the user in confronting and solving any application need, whether preplanned or unexpected, contributing to reducing implementation and internal development costs. Movicon's international steadfast presence is demonstrated by over Movicon™ distributors guaranteeing its trademark worldwide. Progea has been chosen as a technological partner by the most important multinational companies operating in the automation sector.



Integrated Building Management.

The Movicon™ BA software is more capable of making your building supervision the most powerful, open and scalable than any other software around.

Building Automation

Movicon™ BA is Progea's supervision solution for intelligent buildings. Progea is a major leading expert company in supervision and control software systems (Scada/HMI). Movicon™ BA offers all the great advantages of 'Open' software for integration and visualization of automation systems for modern buildings, whether residential, industrial, services or big communities. Movicon™ BA provides all the advantages of modern software with very flexible solutions. Great experience matured through years of success, has allowed Progea to deliver solutions to all those who demand an integrated system using an all-in-one, powerful, open, visualization and control software.

One open solution

Movicon™ BA guarantees all the openness needed in integrating all building management systems into the one same supervision project. Just the one project guaranteed to save time and resources, while increasing supervision and control potentialities at the same time.

The Platform technology

The Movicon™ BA platform technology is completely based on the XML standard. In one-only visualization you can finally connect control buses, lights, heating and air conditioning systems, security systems, video surveillance, energy saving systems and any other devices commonly used in the building management environment.

Deployment flexibility

Thanks to the Movicon™ BA flexibility, you can integrate your systems into any type of architecture, such as Desktop PCs, Media Centers, Tablet PC (Win32 or Win64), Touch Panel (WinXPE or WinCE), Palm tops or SmartPhones (Windows Mobile), or access your system through the web using any internet Browser or java phone from wherever you may happen to be in the world. No limits to the visualization solutions you can use to get everything under your control.

Userfriendliness

Creating supervision projects with Movicon™ BA is simple and fun. A powerful object oriented editor allows you to create graphical interfaces with animated and interactive screen pages, using the full range of vector graphics, or you can even apply your own BMP, GIF and JPG drawings. All the tools you will ever need integrated and ready-to-use. Pre-configured graphics libraries, communication drivers, alarm management, historical logs and control, event scheduling, trends, charts are all within- a-click's reach in an all-rolled-into-one userfriendly software environment.



Building Automation: Flexible Supervision.

➤ **Integration is the keyword**

Movicon™ BA offers the advantage of hardware independency. This means you can use the same software in PCs, Touch Screens or Palmtops, connected buses, such as EIB/Konnex, LON, BACNet, to all the building control systems, with control panels, such as Notifier, Eltron and others, with bus systems with Modbus RTU or TCP Modbus interfacing and many other system types. You can integrate CCTVs and IP Cameras and be completely free to decide and choose how you want your system by using just the one same software. Maximum deployment flexibility while safeguarding your investments at the same time all guaranteed.

➤ **Information sharing on the net.**

Movicon™ BA offers the advantages of being able to freely circulate information thanks to its Networking functions in Ethernet networks and the OPC technology, allowing you to integrate your supervisor into your building's LAN systems.

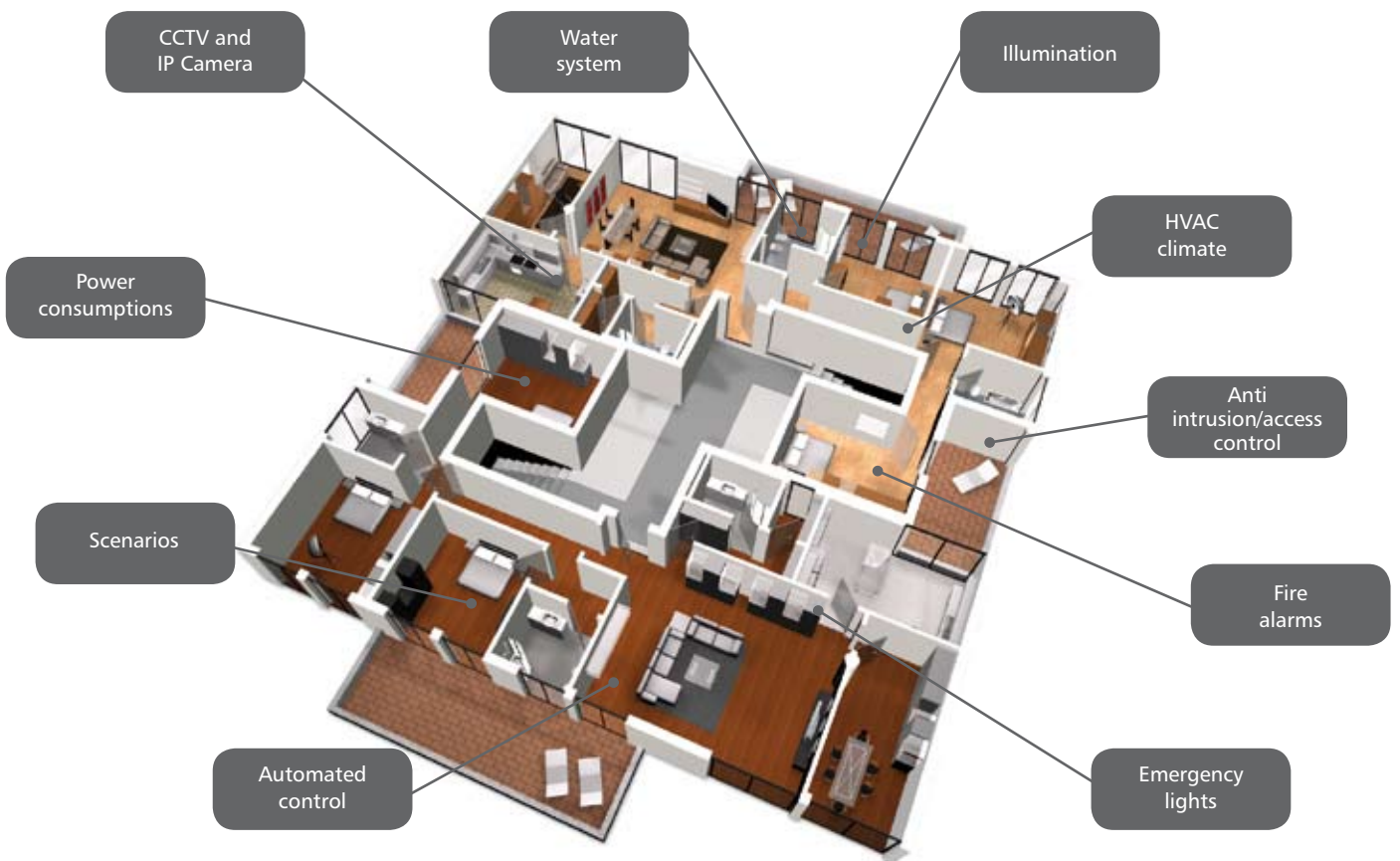
➤ **Enhanced Potentialities**

All conventional supervisory system limits have been surpassed. Movicon™ BA consents all the powerful functionalities typical of SCADA/HMI systems, but with remarkably enhanced visualization potentialities. You will be provided with a powerful object-oriented environment, with

powerful managements for alarms, historical logs in DBMS (ie. SQL Server, Oracle, MsAccess), trends, scenarios, schedulers and control logic. All at your complete disposal and ready-to-use in one powerful but very simple-to-use programming environment.

➤ **Cost effective**

Movicon™ BA permits you to use just the one development environment for all your supervision and control systems, saving you a great deal in learning, training personnel and maintenance costs. The Movicon™ BA licenses are scalable, flexible and upgradeable to Movicon™ 11, contributing even further development and maintenance cost reductions.



Your building management systems can finally be completely integrated into one supervision system and accessed with palmtops or controlled externally through the Internet. All this can be done in next-to-no-time thanks to Movicon™ BA.



Integrated innovative, powerful and easily to manage solutions.

➔ Superior graphics power

The main mission of any supervision system is to visualize building system processes. The clearer the running of the building is visualized, the easier it is to keep it in top working order. Compared to a decade ago, today's building managements explicitly demand building systems to be visualized more like the real thing. Needless to say, graphics play the leading role in determining a closer to reality effect and this may take up a great deal of project developing time in doing so. This is where Movicon™ BA is superior by providing the most powerful graphics to achieve great reality-like visualization in much less time than ever before.



➔ Powerful Alarm, Historical Log and Statistic Managements

The powerful Movicon™ BA alarm management guarantees maximum precision in handling events and offers users a rich source of information for constant and immediate updating on current plant situations. This important live knowledge gives user the complete power to react straight away, minimize system downtimes and improve efficiency. The Alarm Log management (Historical Log) automatically records all events (alarms, Driver Events or System Events) in the appropriate files based on relational ODBC databases (Open Database Connectivity) or on .DAT, .XML or encrypted text files.

➔ SMS-Voice-Email-Fax notifications

Movicon™ BA offers a powerful integrated solution for notifying events and alarms. Movicon™ BA will send messages directly to your mobile phone immediately on programmed event occurrences (alarm or other configurable event types). These messages can be received by phone as SMS or vocally with Text-To-speech. Emails with attachments and faxes can also be used and your building can be inserted as a Messenger contact for "On Line" information on what's happening in the plant in realtime. Everything under control wherever you may be, always.

➔ Speech Recognition

Thanks to Movicon™ BA, your control system will be capable of recognizing

vocal commands, where users can interact with the system vocally to give orders and invoke commands in the most natural way possible. The system can be made to recognize and acknowledge vocal commands, request confirmation or the value desired (ie. setting temperatures). This feature can be used as an alternative to using touch screens or keyboards.

➔ IP Camera

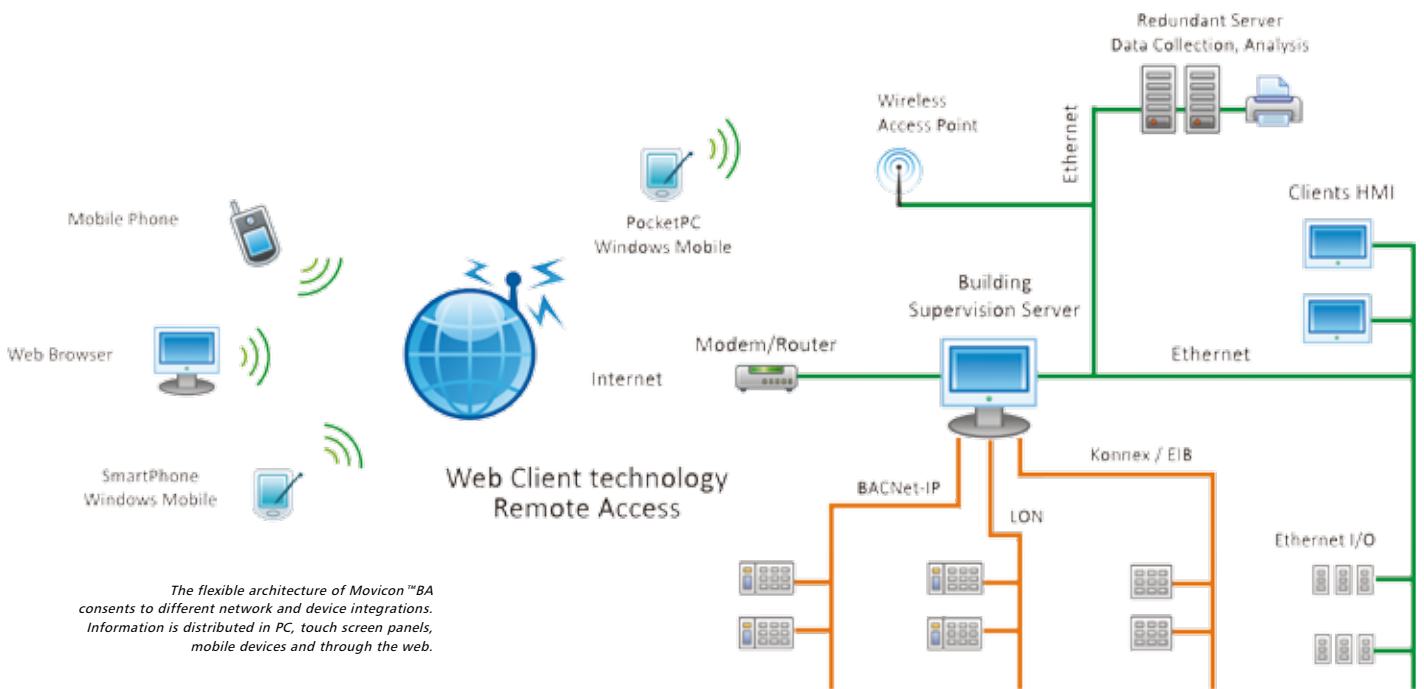
Movicon™ BA integrates solutions native to managing images transmitted by IP cameras. Thanks to the 'IP Camera Viewer' window, images can be viewed both on local PC stations and in embedded systems (WinCE, PocketPC) or via Web, without having to use inappropriate and expensive add-ons. In addition, Movicon™ BA consents to external component integration, such as ActiveX and third party libraries, to guarantee support to the simplest of WebCams right through to the most advanced digital video-surveillance systems.



➔ **Recording and Statistical Analysing**
Process Data and Consumptions
Movicon™ BA integrates powerful Data Loggers which can record all events, alarms or any other process data (temperatures, consumptions, etc.), and store the logged data in Relational Databases in complete automatic mode. The historically logged data is in open format thanks to the ODBC technology and supports SQL Server, Access, Oracle and others. Recorded data can be visualized with 2D and 3D graphics, Trends, Tables and Reports, as well as

through the web. Powerful tools for analytic managing of events and plant downtimes consent you to obtain reports relating to total or partial downtimes. This information, both in table, pie or histogram form, highlight alarm occurrences and their classifications by "Duration" or "Frequency" in the preset time ranges desired. These Reports can be displayed and printed as pleased, on command or on event, exportable in various formats (Excel, PDF, HTML), and provide complete detailed information of each single alarm analysed.

➔ **Programmed Maintenance**
Movicon™ BA simplifies programmed maintenance thanks to proving the possibility to activate alarms not only by their associated variable value but also by their duration statistic values. Therefore, resulting extremely easier to set intervention thresholds on set-points, relating to variable total permanent times ON instead. To support plant operators further in their work, Movicon™ also consents to external file associations that consent to activating help files (HTML), movie files (.AVI), sound files (.WAV) or BMP files.



The flexible architecture of Movicon™ BA consents to different network and device integrations. Information is distributed in PC, touch screen panels, mobile devices and through the web.

Plant access
using browser
or mobile phone.



Integrated Web Technology.

Movicon™ BA is a software platform designed for accessing systems in Internet/Intranet architectures in the most userfriendly way possible without needing to install or configure anything on Server and Client side. Thanks to the innovative Movicon™ BA Web client technology, your supervisor can become the access point for remote controlling the entire building. By using any operating system browser you can visualize your supervision system and interact with the plant in remote, with the option to Log on for access, independently from the Server.

No additional installations or configurations needed, thanks to the Movicon™ BA Java technology. You can also install the Movicon Web Client Midlet on your java mobile phone to be used as a Web Client allowing you to interact from wherever you may be without needing to get to a PC to do so. Your building can easily be made Internet-Ready thanks to Movicon™ BA.

Deployment Examples

Thanks to Movicon™ BA you can easily integrate and manage all applicable systems to buildings, whether residential or industrial. By using your supervisory PC, Touch Screen, mobile system (palmtop or phone) or Internet Brower you will be able to:

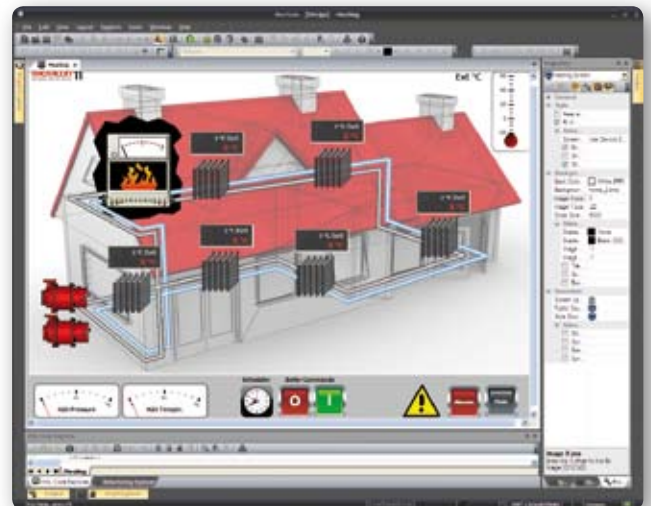
- Control and Manage Lights.
- Control and Manage Comfort and Climate (heating, air-conditioning, HVAC).
- Technological System (motors, valves, services).
- Control and Manage Water systems (pumps, irrigation, etc).
- Manage Comfort with different scenarios where the preferred ambient configurations can be memorized.
- Manage Alarms or Data from Anti-intrusion or Access Control systems.
- Manage Fire alarm system data acquisitions.
- Monitor Energy consumptions with possibility to cut/reduce power supplies.
- Get weather Reports and control blinds, windows, sheds, velux (sky lights, roof windows) etc.
- Control and Manage Energy (water, lights, hot and cold temperatures). Carry out Statistical Analysis.
- Acquire and manage video camera information on CCTVs and IP Cameras. IP cameras manageable via Web.

- Control and manage Emergency lights in accordance with the law.
- Manage alternative energy systems such as photovoltaic and cogeneration.

Main Features

- One only control system for the entire building.
- Powerful visualization with specific graphics and Template libraries.
- Alarm and Event Management and Recording of all integrated systems, with Voice/SMS/Email/Messenger/Fax notification.
- Guaranteed Access Security, Users, Passwords and Audit Trail.
- Networking Integrated with client/Server architectures in Wireless and Mobile systems as well.
- Visualization and control via Internet using Browsers or Smartphones.
- Scenario Management with objects and wizards.
- Data Logger with historical logs in DBMS (Relational Database).
- Powerful Historical and Dynamical Trends, 2D and 3D Graphics.

- Integrated VBA, VB.Net Logic.
- IEC61131-3 PLC SoftLogic for I/O control solutions.
- Event Objects.
- Dynamic Scheduler Objects with holiday plan management.
- Native Drivers for bus systems and for Building devices.
- OPC Client and Server.
- Web Client Technology.
- Remote and On-line Debugger.





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**Please contact
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for further information
or free Evaluation DVD.
On-site demonstrations can be
arranged by appointment.**

