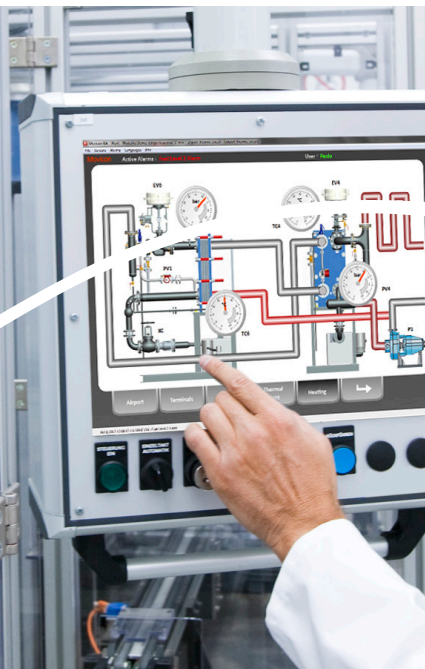


# Movicon<sup>TM</sup> HMI

**POWER**  
HUMAN MACHINE INTERFACE



Simple, powerful and  
independent HMI software



## Flexible, Scalable and independent HMI software for today's world

All the experience and technology of Progea in SCADA supervision software is now available in Movicon PowerHMI, the powerful, open, flexible and independent HMI software

### The HMI software platform designed not only for Touch Panels

Movicon PowerHMI is software offering simple and powerful solutions for all those wanting to be independent from "hardware + software" HMI architecture and "propriety" solutions. Companies are now looking to standard and open software solutions that can make their projects independent from used hardware devices, whether Touch Panel, PLC or control systems.

This is where Progea's proposal fits the bill perfectly. By exploiting all the powerful Movicon technology, they have come up with a more simplified compact version especially designed for "low-end" solutions and systems.

### PowerHMI flexibility advantages

Movicon PowerHMI offers advantages that no other product can. To begin with, it exploits the powerful Movicon technology, concentrated and simplified within one extremely intuitive editing environment. Using PowerHMI means using open HMI software that can be installed in any HMI panel based on Win32/64/CE. It also means maintaining the same software for applications in PCs where any eventual expansion will let you use your Movicon developed project and totally exploit all the powerful Scada features. This leaves you with greater scalability, and a consistent increase in performances with more feature potentiality. Movicon PowerHMI is open HMI software that easily adapts to any client need.



### Cost Reductions

When you use Movicon PowerHMI you don't need anything else, just this one development environment in your company for complete visualization on PC or operator terminals without needing to spend extra in terms of learning, training personnel and maintenance. The Editor is distributed with shareware formulae. PowerHMI projects are upgradable to Movicon, further contributing to cost reductions.



# Choose your preferred hardware, without worrying about the software

Imagine a software adaptable to your every need: Movicon is the visualization solution for maximum success with minimum effort

## Hardware Independency

Movicon PowerHMI gives you the independence to use your preferred Touch Panel project with the freedom to substitute it whenever needed, or evolve it on your PC platform without changing project software. Independency also means that you can use any PLC, network or field bus. Being independent, the freedom to choose and keep within your budget is every company's priority. Ultimately, you can rest assured that your investments are truly safeguarded with improved productivity to keep you competitive.

## XML-based projects

A one-only programming environment for each of your project means you get to save on costs. Furthermore, thanks to the XML structure of the Movicon PowerHMI projects, the same project file can be run both on Windows™7 or XP (Win32/64) and WinCE, without needing to apply any compilation procedures.

## Feature Potentiality Increased

Movicon PowerHMI supersedes the restricted use of conventional HMI systems. Movicon PowerHMI offers the use of a majority of the Movicon Scada graphics features and enhanced data visualization performances. Graphics, Alarms, Recipes, Trends, Reports, Scripting... all ready-to-use in one powerful and incredible user-friendly programming environment.

## Unrivaled Graphics

The powerful Movicon PowerHMI graphics management is very easy to use and allows you to accomplish graphics with great and instant impact made possible with the inbuilt ready-to-use object library. Projects are now no longer dependent on screen resolutions when using the powerful Movicon graphics. Movicon PowerHMI comes with a powerful vectorial graphics editor which supports bitmap images with import/export to standard vectorial formats.

## Powerful Alarm Management

The alarm management empowers solutions with full customizable data display and logging. The Movicon PowerHMI also supports the 4 standard operating states (ON, OFF, ACK, RST) according to the SA S-18 normative with the option to customize management (events, colors, representations), associate custom help and conditioned events. The Alarm Historical Log, stored in recycled archives, also supports order by filters.







# A small HMI with all the functionalities of a SCADA

## Network Integration

Movicon PowerHMI offers the advantage of free information circulation thanks to the **Networking** functions in Ethernet network and the OPC technology, consenting integration of your HMI in company ethernet network systems. Connecting your HMI panels to communicate with each other in network or integrating them with Movicon supervisors at a higher level (SCADA) or with MES systems, is no longer a problem.

## International Projects

Movicon PowerHMI supports an unlimited number of text strings for your projects. Any language and font can be used (European languages, Asian, Arabic, etc) and dynamic language change is just a click away.

## Security

Data accessing security is guaranteed by a powerful and reliable user management. 1024 hierarchical levels and 16 different access areas are at your disposal. Users can also be added in runtime. FDA CFR21 Part 11 compliant project developing is also consented.

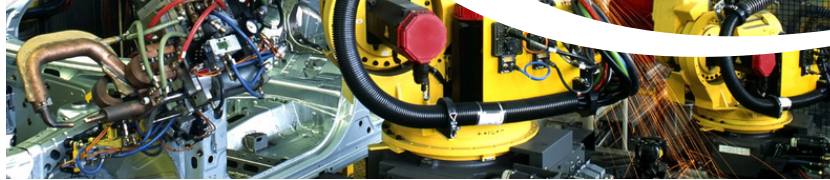
## Schedulars, Events and IP Camera

Movicon PowerHMI has powerful objects and tools for enhancing the performance of your HMI project. Amongst these you will find scheduler objects for executing a variety of operations and commands based on preset times or programmable calendars. The Event objects permit you to execute and centralise commands, activated upon programmable conditioned events. The IP Camera viewer object is another interesting feature that visualizes images on screen transmitted from net distributed IP video cameras and can be used with Windows™ CE. These are just a few of a vast assortment of objects available.

## Data Loggers, Recipe, Trends and Reports

Purpose-built objects and Wizards provide enhanced recipe and relating historical log management. The recipes have powerful functions for managing archives manually and automatically. Recipe data reside in text and XML files and are compatible with Ms Excel™. The Data Loggers permit object-oriented management of process and production data recordings in text or XML files with your preferred archiving mode. When archived, data can then be managed for historical analysis using the Trends or reports.





### Integrated VBA and PLC logic

Movicon PowerHMI offers the exclusive advantage in completely supporting The VBA feature (Visual Basic for Application comp.). Movicon PowerHMI is the only HMI product that guarantees VBA code syntax preservation in your WinCE devices as well. With Movicon PowerHMI not only do you get to maintain VBA code but you also get to keep your project independent from the platform. Furthermore, Movicon PowerHMI offers you the option to use IL Logic (AWL Step7® language type) tasks and to exploit the PLC logic to obtain powerful calculations, system management and enhanced I/O control.

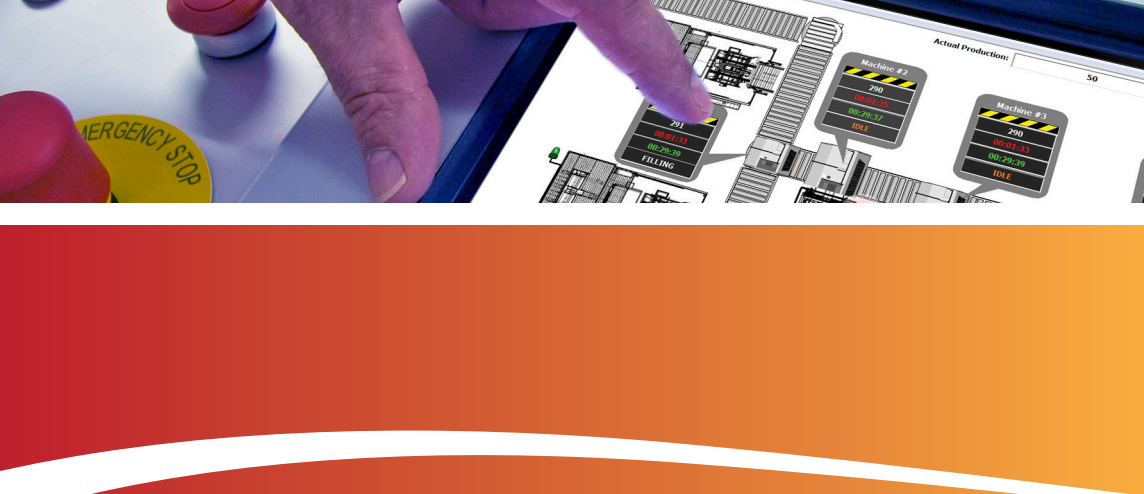
### Logicon IEC 1131

Movicon PowerHMI integrates support to IEC-61131 softlogic programming. Edited programs are run in the ProConOS realtime kernel which is also available for Windows CE.

### Upload, Debugger

PowerHMI connects to your device and consents easy project uploading/downloading management. All control and maintenance operations are simplified with remote control project commands (i.e. start/stop) including Debugging operations: the debugger can be referred to the local or remote project within your development environment.





## Remote Control and Teleservice

Movicon PowerHMI guarantees remote access via modem, both for accessing remote operator terminals and consenting remote users to access PLCs connected to device in transparent mode, for instance, to allow full maintainability at a distance.  
The upload/download project functions can also be managed by remote control.

## Web Client

Windows CE Runtime Only.  
The Movicon PowerHMI versions provide Web Client integrated functionalities for accessing Operator Panels via the web using normal internet browsers.

## SQL Server CE Support

Windows CE Runtime Only.  
The Movicon PowerHMI versions provide integrated support to historical data recordings using the Ms SQL Server CE format, further enhancing historical data management, manipulation and sharing.

## Notifying Events with SMS and Email

Windows CE runtime only. The Movicon PowerHMI versions have an inbuilt Alarm Dispatcher for sending Alarm and Event notifications to personnel by SMS or Email.

## Main Movicon HMI software features

- Only one Editor for XML-based projects from Windows™ CE to Windows™ 8
- Project Scalability, from PowerHMI systems to Movicon Scada platform
- Wide ranging I/O Driver Library included, with automatic Tag importing from PLCs
- Vectorial Graphics Editor with powerful and appealing object library
- Powerful and complete range of graphical animation functions and Templates technology
- Complete Alarm management with Event Log. Historical log management in XML or DB
- Recipe object-oriented management, import-export
- Data Loggers in XML or DB
- Built-in Ethernet TCP-IP Networking
- Powerful Historical and Dynamic Trends, with Data Analysis functions
- Powerful User and Password management
- Powerful VBA scripting, multithreading.
- Built-in AWL Logic (Step5/Step7)
- Event and Scheduler Objects
- IP camera viewer management
- OPC Client
- Modem management in PLC for remote control
- Bridging management for Teleservice on PLC
- Remote project control management,
- Debugger and file transferability included
- Support to Web Client, SQL CE and Event
- Notifications via SMS and Email in WinCE







## Licensing Policies

Movicon PowerHMI permits you to choose runtime solutions for Windows CE and Win32/64. Movicon PowerHMI can be purchased at a better price on the internet for single quantities only, with immediate receipt of your Movicon PowerHMI runtime license at a quality/price ratio never seen before in the professional world. The Licensing policy caters for the superior functionalities in Windows CE runtime, whereas only the one runtime license providing the basics is available for Win32/64, and therefore allowing the Movicon license function modularity to be tailored as needed according to purchase requirements. The "Open" " Editor policy means product can be used without developer license with the option to purchase editor when needing access to the Technical Support Services.

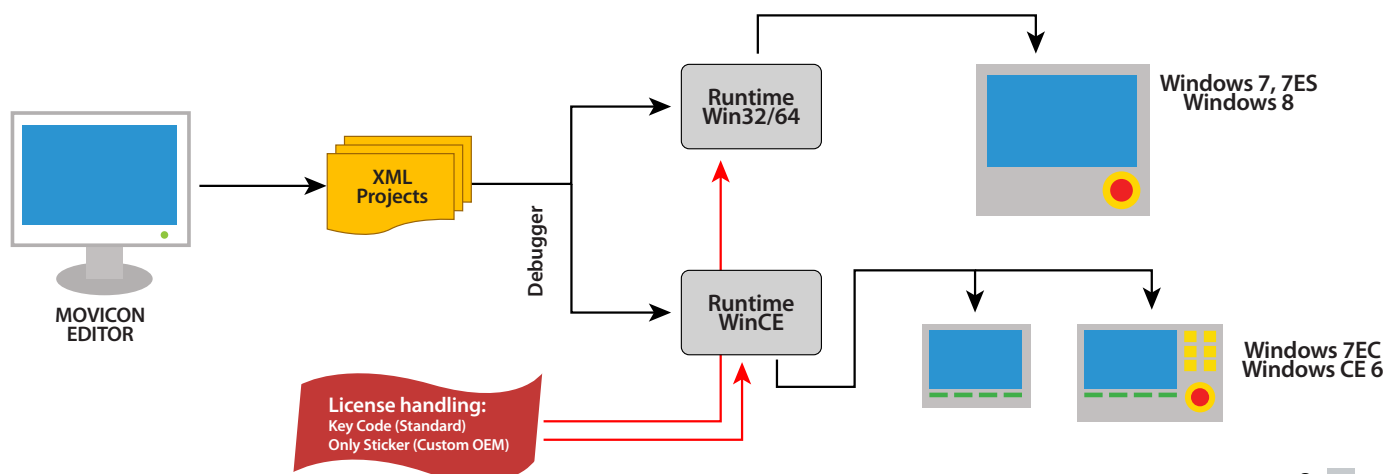
## OEM Licensing Solutions

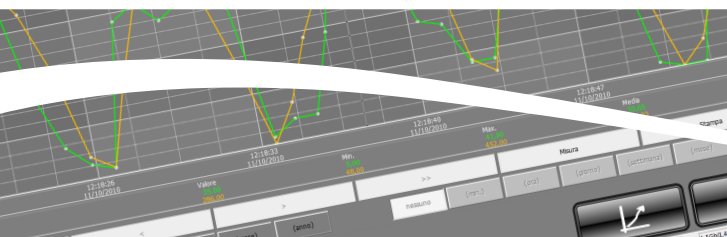
Progea grants customized sales agreements to OEMs offering solutions aimed at selling by volume or according to a sales plan agreement for optimal license cost-effectiveness. If you wish to standardize Movicon PowerHMI in your systems please contact us: our ad hoc solutions will help you save further on costs!

## Licensing Solutions for Partners.

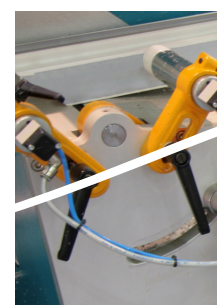
Progea has instituted a partnership policy aimed at automation device manufacturing companies to pre-install Movicon PowerHMI runtime in their automation products (embedded or standard). This partnership permits partners to enhance their hardware product with added value and stay competitive by proposing their hardware with powerful and integrated HMI software.

	Windows CE	Win 32/64	
Features	Movicon CE	Power HMI	Movicon Scada
I/O Bytes (Tags)	Max. 4096 bytes	2048 bytes	Unlimited
Grafica, Simboli, ecc.	✓	✓	✓
Allarmi	Max. 2048	Max. 2048	✓
Log Storico Eventi	✓	✓	✓
Acceleratori e Menu	✓	✓	✓
Cambio Lingua Dinamico	✓	✓	✓
Ricette	✓	✓	✓
Data Loggers IMDB	✓	Option	✓
Data Loggers SQL	✓	no	✓
Trends Storici, Data Analysis	✓	✓	✓
Reports Testuali	✓	✓	✓
Logica IL (SoftLogic)	✓	✓	✓
VBA Multithreading	✓	Option	✓
Debugger OnLine/Remoto	✓	✓	✓
IP Camera, Schedulers, Eventi	✓	✓	✓
OPC Client	✓	✓	✓
Networking	✓	no	✓
Multi-Drivers	Max. 2	Option	✓
OPC Server	no	no	✓
Report Designer	no	no	✓
Statistica Allarmi	no	no	✓
Ridondanza	no	no	✓
Alarm Dispatcher	✓	no	✓
Web Client	Nr. 2 User	Option	✓





July 2013  
English Edition



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