

# Movicon HMI

POWER HMI  
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 who want 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 the hardware devices being used,, 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 won't need anything else. This one development environment will give you complete PC and operator terminal visualization in your company without spending extra on learning, training, personnel and maintenance. The Editor is distributed with shareware formulae. PowerHMI projects are upgradable to Movicon, which further contributes 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 all your projects will save you time and money. Furthermore, the XML structure deployed by Movicon PowerHMI projects enables the same project file to be run in Windows™8 (Win32/64) and WinCE without needing to compile a thing.

### Enhanced Feature Potentiality

Movicon PowerHMI supersedes the restricted use of conventional HMI systems. Movicon PowerHMI offers the use of most 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 using 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 various filters.



# A small HMI with all the functionalities of a SCADA

## Touch & Multitouch

Movicon PowerHMI fully supports touch screen management with an integrated, **native and simple** to use feature. New Multitouch system gesture technologies are also supported for creating modern and intuitive HMI systems.

## Network Integration

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

## International Projects

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

## Security

Data access 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.

## Schedulers, 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

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.







## Reports

Movicon™ provides the use of Textual and Embedded Reports for embedded systems such as mobile and WinCE devices that require simple and scalable reports.

## Integrated VBA and PLC logic

Movicon PowerHMI offers the exclusive advantage of full VBA support (Visual Basic for Application comp.). In addition Movicon PowerHMI is the only HMI product that ensures VBA code syntax is preserved in your WinCE device. Therefore Movicon PowerHMI will enable you to retain VBA code and 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.





## ■ Main Movicon HMI software features:

### 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 records using the Ms SQL Server CE format, to further enhance 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.

- 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





## Customizable licensing solutions

### Licensing Policies

**Movicon PowerHMI** enables 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, You can also obtain your Movicon PowerHMI runtime license immediately by purchasing it online at a quality/price ratio never seen before in the professional world. The Licensing Policy provides the advance features for Window CE runtime. Only the one runtime license containing the basics is available for Win32/64. This will enable buyers to tailor the modularity of the Movicon license to suit their needs. The 'Open' Editor policy enables the product to be used without developer license with the option to purchase editor for accessing the Technical Support Services when needed.

### OEM Licensing Solutions

**Progea** has a customized sale agreement scheme for OEMs that offers solutions for 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.

This policy provides the opportunity for **partners** to add value to their hardware product with integrated and powerful HMI software in order to stay competitive. **Progea** also adopts a software 'brand-labeling' and hardware detection policy for licensing purposes. This will enable users to simplify management to the maximum and further reduce costs. If you are HMI Touch Panel producers this brand-labeling policy will enable you to become more competitive.

Features	Windows™ CE		Windows™ 7 / 8	
	PowerHMI CE	Movicon CE	PowerHMI	Movicon SCADA
I/O Bytes (Variables)	512 bytes	Max. 4096 bytes	2048 bytes	Unlimited
Graphics, Symbols, etc.	✓	✓	✓	✓
Alarms	Max. 1024	Max. 4096	Max. 2048	✓
Events Historical log	✓	✓	✓	✓
Shortcuts and Menus	✓	✓	✓	✓
Dynamic change Language	✓	✓	✓	✓
Recipes	✓	✓	✓	✓
IMDB Data Loggers	Max. 2	✓	Max. 2	✓
SQL Data Loggers	✓	✓	✓	✓
Trends, Data Analysis	✓	✓	✓	✓
Textual Reports	✓	✓	✓	✓
IL Logic (SoftLogic)	✓	✓	✓	✓
VBA Multithreading	Max. 2	✓	Max. 2	✓
Online/Remote Debugger	✓	✓	✓	✓
IP Camera, Schedulers, Events	✓	✓	✓	✓
OPC Client	✓	✓	✓	✓
Networking	✓	✓	✓	✓
Multi-Drivers	Max. 2	Max. 4	Max. 2	✓
OPC Server	✓	✓	✓	✓
Report Designer	✓	✓	✓	✓
Alarms Statistics	✓	✓	✓	✓
Redundancy	✓	✓	✓	✓
Alarm Dispatcher	✓	✓	✓	✓
Web Client	✓	Max. 2 Users	✓	✓



