



Software technology
SCADA / HMI / MES
Innovative, powerful, simple, scalable
for every automation need



INDUSTRIAL AUTOMATION SOFTWARE
progea

Movicon.next™

Movicon.NExT™ 4.0 is the new industrial software platform that offers the most innovative and flexible software technology for Window/Linux **HMI** projects, for **SCADA** supervisory systems, efficient **MES** analysis solutions that are essential to **Industry 4.0**.



Innovation for any SCADA/MES/HMI supervisory project

Progea offers Movicon.NExT™, excellent technology for Smart Factories and the best software solution for every company need.

Technology evolution is necessary to maintain a competitive edge in the world of automation and it is not just a question of introducing new features or improving technology, it is also a question of having the courage to face new challenges, rethink and scrutinize the results of one's work and seek out new horizons. This is the only way to envisage that was unimaginable before. Movicon.NExT™ is a new software, completely redesigned on future-proof technology based on Progea's thirty years of experience in the sector, to create a new benchmark. The Platform.NExT™ platform, on which Movicon.NExT™ is based, has been conceived to overcome the limited use of conventional SCADA/MES/HMI technology by offering new generation software solutions. The intercommunication of Smart Factory devices is the basis of the digital revolution of Industry 4.0 and IoT.

The Platform.NExT™ platform software's technology offers producers and design engineers the opportunity to increase their efficiency, quality and flexibility significantly. Movicon.NExT™ offers an intuitive configuration environment that consents easy project realization no matter how complex. It seamlessly integrates the system's functional modules as well as those of third parties. Configuration, communications, visualization, data recording, analysis, security, control, information distribution at all enterprise-wide levels, locally or geographically distributed are all at a finger tips' reach in one platform that offers advantages of total integration and Plug-in modularity.



The universal software: from SCADA/MES projects to small HMI Linux-based

Scalability

Movicon.NExT™ has been designed to give users maximum scalability and simple and flexible use of a unique development environment for modular solutions. The scalable architecture, which extends from Control Room to small HMI, consents a remarkable save in time, costs and unlimited deployment possibilities.

Openness

The Automation Platform.NExT™ technology is based on the plug-in concepts consenting to maximum interoperability with the system to the extent that new functional modules can be integrated with the Progea Framework to allow full customization of its .NET solutions. In addition, the powerful integrated standard VB.NET language guarantees any type of customization.

Standard

Movicon.NExT™ is a complete software technology based on market standards from which openness and reliability derive. The XAML and WPF technology provide the most effective and modern standard graphics, the historian technology is based on Ms SQL Server and Azure and supports any other Relational DB with transparency. The project files are XML standard-based. The powerful language is standard VB.NET syntax-based. Its communication system provides a vast number of native communication drivers with OPC UA-based data model.

Performances

Movicon.NExT™ places strong focus on managing performances. The velocity in both communications and managing real-time data along with enhanced graphics, adopting full use of graphics accelerators and DirectX, guarantee maximum technology without compromising performances.

Connectivity

The Movicon.NExT™ platform is based on the innovative OPC UA technology to ensure maximum connectivity towards any device or applied module based on this technology that provides unmatched features for security and performances.

Data Analysis

Movicon.NExT™ consents to the historical recording of all data managed by the Server using local or cloud databases in the most transparent, open and independent way. In addition, especially designed modules can be used to manage Plant Intelligence to improve productivity or energy efficiency.

Security

Movicon.NExT™ guarantees the highest possible level of security. In addition to the powerful User and Password management, the solutions provided guarantee the approach to the security models offered by the desired provider (e.g. biometric systems), in compliance with IEC 62443-3-3.

Engineering

Movicon.NExT™ provides an innovative development environment with a rich set of intuitive features that are an absolute pleasure to use. Due to the new technology on which the platform is based natively, your projects can be created in much less time than before by using wizards, templates and XML and XAML-based symbol libraries and toolbox. The open environment allows you to create plug-in functional modules externally (Visual Studio e C#) to integrate and implement them in the platform.

An integrated, modern and intuitive configuration environment

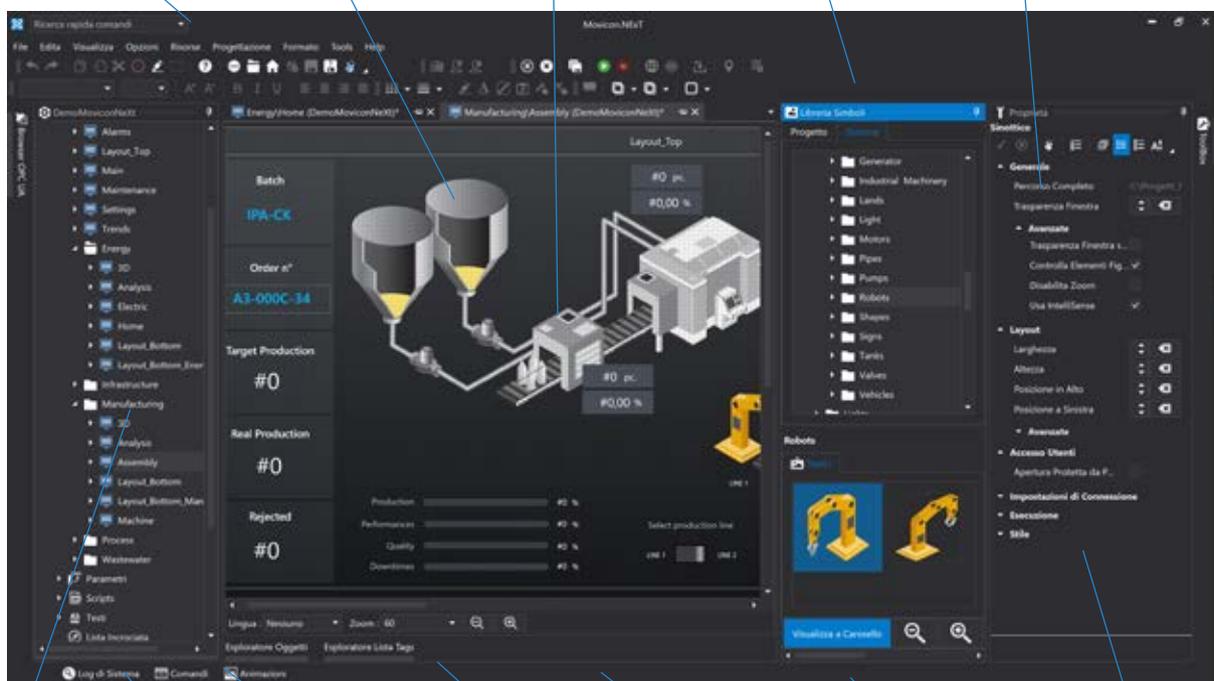
Menus and Toolbars

Workspace:
WPF vector graphics editor and configuration of the platform's resources and functional models

Graphic effects and styles applicable to objects

Toolbox with preconfigured objects, Analysis and User Controls

Properties Window.
Simple and intuitive configuring of objects or resources selected for the various platform modules



Project Explorer. Easy access to all existing platform modules

System Log Explorer

Command Explorer

Animation Explorer

XML Explorer

Integrated VB.NET Language Editor

XAML (WPF) based Symbol Graphics Library

A blue-tinted image of an industrial robot arm in the foreground, with a blurred background of a factory. Overlaid on the right side are various data visualization elements: a circular gauge showing '24', a bar chart, a digital clock showing '09:21', and a large '85%' percentage. The overall aesthetic is futuristic and data-driven.

Software technology for every I4.0 automation solution

What makes the Movicon.NExT™ software technology revolutionary?

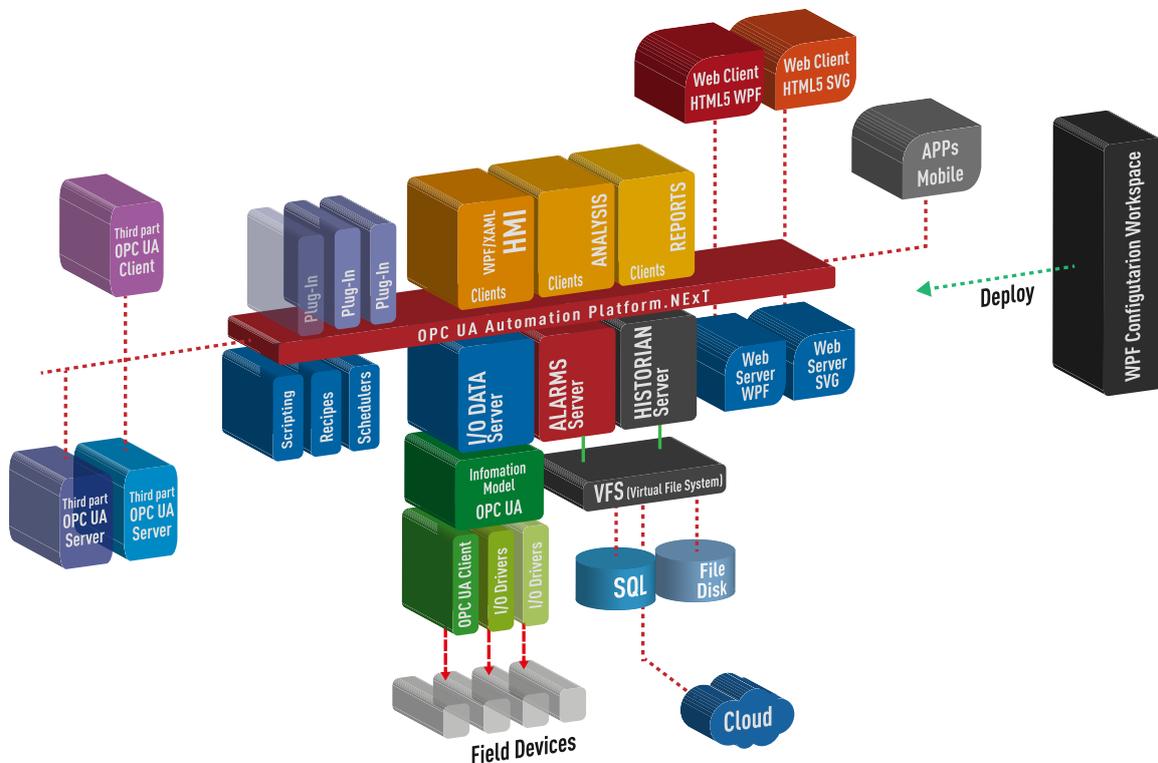
Movicon.NExT™ uses the best most innovative technologies that meet the market demands for communication and interoperability that are essential across the IoT and Industry 4.0 domains.

- **Plug-In Framework**
The new Movicon.NExT™ technology is based on the .NET technology that exploits the potential of 64-bit system with a framework specifically designed to guarantee reliability, openness and performance. The platform uses the plug-in model to offer users the possibility to completely customize the modular system and integrate new custom modules
- **WPF/XAML Vector Graphics**
Movicon.NExT™ offers a new user interface concept, that uses graphics acceleration of the latest generation of DirectX systems to exploit the exceptional quality of vector graphics with WPF/XAML technology in 2D and 3D.
- **HTML5 and Mobile APPs**
The Movicon.NExT™ Web Server module offers new generation Web Client solutions using the HTML5 technology to allow remote access to field applications to maintain performance, operativity and cross-platform frameworks. The smartphone and table Apps make web access easier from mobile devices.
- **OPC UA and I/O communication driver connectivity**
The I/O Data Server module is based on a Server architecture that used the information model defined by the OPC UA standard and exploits the WCF technology in communication infrastructures. This model provides a diverse number of integrated and native I/O communication drivers that are capable to manage communication protocols of the most commonly used automation devices automation (PLC, Networks, Fieldbus, instrumentation and other).
- **High performing Database and Cloud**
The Historian module uses the Virtual File System (VFS) to render applications data persistency model independent. Users can therefore feel free to connect to relational databases such as SQL Server, use Cloud computing such as Azure, or use normal XML files on physical disk to log and archive process and project data.
- **Users and Memberships**
The security model is based on Membership authentication to obtain maximum security and openness towards authentication systems from different Providers.

A new generation software platform, modular and scalable

Open and modular system architecture,
based on the most modern and innovative software technologies.

The Movicon.NExT™ architecture uses the innovative Automation Platform.NExT technology, Progea's framework designed for future-proof automation: scalable, modular and open.





Graphics of the latest generation

Interaction between Man and Machine

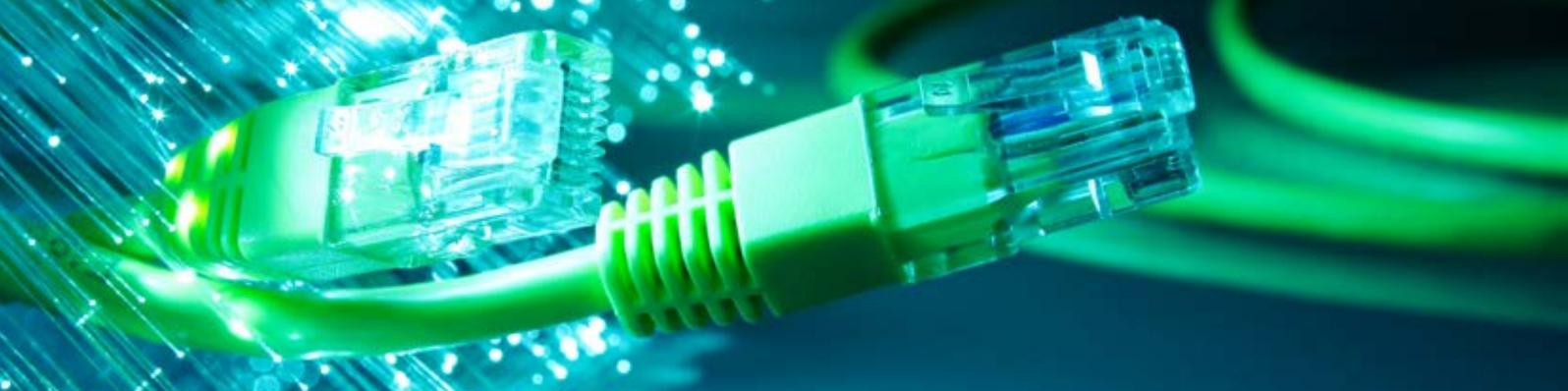
By using Movicon.NEXt™ you can create extremely powerful and versatile graphical interfaces. Animated screens are easy to create using symbols, objects, wizards, faceplates, power templates and native multitouch user interaction. The platform's graphics editor provides a library containing thousands of top quality XAML vector symbols and a toolbox rich in graphical objects of the latest generation. In addition to the vector graphics editor, you can also import your own drawings or use those in BMP, GIF, JPG, PNG or multimedia format.

By using the WPF/XAML technology, Movicon.NEXt™ offers support to dynamic 3D graphics visualization by allowing you to import 3D models and animate them by using the dynamic functions, views and events. In this way, you will be able to obtain interactivity and real-time plant data dynamicity in 3D graphic components to achieve realistic interactive three-dimensional user interfaces. The result will be a spectacular two-dimensional or three-dimensional graphics rendering, giving the design engineer freedom to create graphics desired from simple minimal schematic representations to more realistic graphics, independent from screen resolutions and local or web representations.

- Powerful integrated graphics Editor
- 2D and 3D vector graphic with DirectX support
- Rich library of preconfigured XAML symbols and objects with top quality graphics
- Rich set of dynamic and animation functions for both 2D and 3D graphics
- Isometric Symbol Library
- Graphics Import from XAML and 3D
- Support to all object-based touch manipulation functions
- Centralized Symbol Repository
- Symbol Power Templates
- Support to Styles and screen layouts
- Full support to all multitouch functions
- Native support to Windows 10® Tile interface and automatic project navigation
- Widgets and swipe page navigation

More space for creativity





I/O Connectivity

I/O Data Server

The Movicon.NExT™ Data Server has been designed with robust and extremely reliable architecture. The server manages real-time communications by handling information in the platform's framework address space, the gathering point of all the Tags connected to field devices.

OPC UA

The Movicon.NExT™ I/O Data Server is based on the OPC UA information data (IEC62541 Standard) and supports any Data Type, including those defined in the OPC UA – PLC Open IEC 61131 specifications, to further allow you to freely define and customize your own Data Types, including complex types, by removing and overcoming the limited use of current technology. The OPC UA technology is integrated and native, as Client and as Server, and supports the DA, A&E, HA specifications.

Integrated Protocol

Movicon.NExT™ offers a diverse number of communication protocols (I/O Drivers) to import data and connect directly to the most commonly used automation devices, which include Modbus, Siemens, Rockwell, Omron, Emerson, Mitsubishi and others, or for networks such as Profibus, ProfiNet, Konnex, BACNet, EtherCAT, PowerLink, IEC870, IEC850, MQTT and others.

Data Gateway

The Server's tags are all importable and exportable and they support multiple connectivity towards different devices. Therefore, each tag has a Gateway function between different protocols, field devices, networks and Cloud.

Industrial IoT

The Server integrates specific protocols for IIoT to consent direct connectivity towards data collection and analysis systems in the Cloud. Protocols such as MQTT, PubNub, Databoom and others are available to create IIoT data collection systems

Security

The Data Server implements maximum data security and protection to allow communications based on fully configurable transports in the project with the possibility to use secure Https with security certificate management in addition to TCP or NetPipe.

- Full integration of OPC UA data in the Platform. NExT™ Address Space
- Platform based on the OPC UA Information Model
- Native and direct I/O Drivers included in system
- Simplified Connectivity
- Data Structures and Prototypes
- Direct Tag import from devices
- OPC UA Client and Server, DA, AC and HA specifications
- Propagable Tag Property Configurations
- Intelligent Networking in OPC UA model
- Full transport and security configurability (Netpipe, TCP, HTTPS and other)
- Statistical Tag Information for total time ON, activation total and more.

Alarm Management

Alarm Server Manager

The Server's Alarm Management enables you to customize the configuration of project alarms and event messages to obtain accurate precision when managing events so that operators are provided with accurate information.

Alarms and Messages can be set to manage ON, OFF, ACK, RST and SHELVE events according to the ISA S-18 norm and OPC UA A&E specifications.

Alarm activation can be triggered with individual Tag bits, deviation values or on quick data changes allowing you to obtain a sophisticated alarm management with ease. The management also supports Areas and Priorities as well as all the functions needed to perform analysis with sort by time, area, priority and other filters together with the possibility to combine dynamic help descriptions, operator comments and events.

Alarm Historical

The Alarm Manager is also designed to record and trace each individual alarm and message as well as all system events on database or in the Cloud using the Movicon.NExT™ Virtual File System (VFS). In this way, the Alarm Manager can ensure that all events are recorded in the Historical Log archives independently from the data format used and archive location, whether locally, remotely or in the cloud.

Alarm and Historical Log Visualization

The Alarm Window and Historical Log Window are active alarm and archive visualization tools that can be inserted and configured in any screen just like any other graphical object from the toolbox. The Alarm display objects can be built with symbols and templates that vary in style and added to the Symbol Library like any other graphical object as well.

Alarm Notification with Alarm Dispatcher

It is essential that unmanned plants, or those manned by a limited number of operators, be able to instantly alert on call duty staff with the information necessary to prevent prolonged production downtimes. In order to allow this to happen, all the project alarms can be configured to notify on call duty operators instantly. The Alarm Dispatcher is used to transmit event notification by dispatching alarms to operators using Voice Synthesis (VOIP) SMS, E-Mail or push notifications on Telegram.

Downtime Analysis Statistics

Movicon.NExT™ provides an indispensable tool for Plant Production and Maintenance Managers who are increasingly in need of tools capable of statistically analyzing downtimes during production runs. The downtime analysis of alarms allows managers to quickly detect and remove weak points in the production process to improve and maximize the plant system's efficiency and productivity.

The Movicon.NExT™ Downtime Analysis module is extremely simple to use and offers a powerful tool for managing analytics on events and production downtimes with reports relating to total or partial downtimes, or the number of event occurrences in the plant. The reports provide all detailed information on each individual alarm analyzed and can be displayed or printed on command or on event as pleased, or exported in various formats, such as Excel, PDF or HTML. The module's reports are freely customizable and adaptable to the different plant needs and can be used to cross-reference analyzed downtime data with production data. The Downtime Analysis is also accessible over the web

Historian e Data Loggers

Performance and Security guaranteed

The Movicon.NExT™ Data Recording Server uses innovative criteria for recording historical data by archiving plant data on DB, physical disk or in the Cloud to ensure that performance and security are maintained regardless of the data volume.

Data recording models

The Server offers two object data logging models: the Historian model and the Data Logger model, allowing designers to perfectly configure projects based on their own analysis needs.

Historian

With the Historian model, the server module will record data (“Time Series” type data) typically by event, allowing your project to easily adapt to the requirements requested by the customer, without unnecessary waste of time.

Data Loggers

With the Data Logger model, on the other hand, the server module will record data, timed or on events, lined up in DB tables, typically usable for production traceability systems or reports management. The advantage offered is that of allowing the designer to freely configure the projects and their own database of archives, using one method or the other, or both, depending on the analysis to be performed and the management of the archives.

Support for SQL Server and any other DB

Each single Historic prototype defined in the project allows, in its configuration properties, to define the data format and the recording criterion (event, change or cyclic), the type of value to be sampled (absolute, percentages, etc.) and the destination of the archives. Therefore, each single Tag defined in the Address Space will then allow it to be associated with a History model, thus creating its own simple and flexible configuration of archives.

The data format, natively and by default, is SQL Server, but in addition to this you can define the MySQL, Azure, SQLite format in the properties, also you can customize the connection string to any DB such as Oracle or others, also on the Cloud, always guaranteeing the maximum opening and independence of the project with respect to the format of the archives, thanks to Progea’s VFS (Virtual File System) technology.

Historical Data Visualization and Analysis

Numerous objects from the Toolbox consent to displaying and analyzing data from the database archives to represent and analyze historical data as needed.



Data Analysis, Charts and Reports

Trends, Charts and Data Analysis

Sophisticated Trend objects are used to access and display curves relating to process data trends. The trends provide advanced functions to represent values graphically with ample room to customize as needed. Furthermore, the Trend objects can represent data by specific time ranges or period or by using other filter types. They also come with the zoom feature, pen selection, logarithmic scales, fit in page option, printed and much more. They are also editable at Runtime and the VB.NET functions permit you to expand on their configurability. The Data Analysis objects are great for performing thorough and sophisticated analysis exclusively on historical data whose results are represented in chart graphics. They also provide the option to perform speedy analysis on fixed time ranges and periods with comparing and overlapping curves. The Charts allow you to display curves or arcs of data value arrays in 2D and 3D. The Movicon.NEX™ toolbox provides DB objects that have been predisposed to display and manipulate data of connected databases by means of using Data Grids, Combo Boxes and other DB connectors.

Powerful Integrated Report Manager

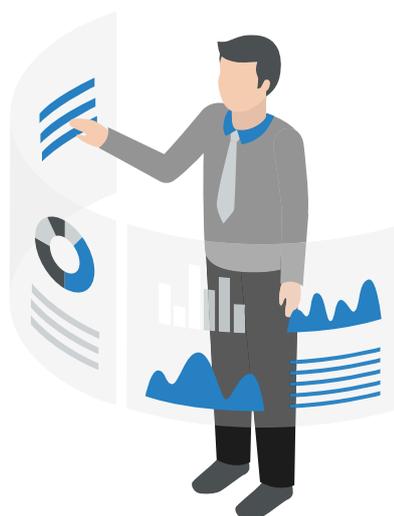
The Report Manager offers designers and users a powerful and flexible tool for generating, executing and distributing data reports and to successfully accomplish analysis of any type, even the most sophisticated, on collected information. The analysis is performed on data recorded by the platform in archives managed by the Data Recording Server, using the Historian or Data Logger. However, in order to provide the greatest flexibility possible, analysis and reports can also be performed from any data source and by connecting existing relational DBs of any type. The Report Manager offers a visual object-oriented interface where Reports can be created by following a few simple steps using a wizard and templates. Once establishing the data source, such as database tables, the report can then easily be built using data

fields, tables, statistics and 2D and 3D charts.

All types of analysis tools are supported including multi-level filters, sort by or group by, calculation functions or formulas, Master Report and Sub-Reports. The user can then view, print or export the reports in a number of different formats that include PDF, HTML, RTF and XPS or in the Excel XLSX and XLS formats.

Reports via HTML5 Web Client

Reports can be published over the Web using the Web Server Module that fully supports the Report Manager module's functions. When deploying projects over the web using the Web Server module, the reports will be displayed on the web using the Movicon.NEX™ HTML5 technology.





Powerful integrated features

GeoSCADA.NExT™ Telecontrol

Movicon.NExT™ fully supports the integration of geographical maps and cartography systems to geo-localize dynamic objects to view on maps. The GeoScada function allows you to define the geographical coordinates of specific screens or projects for viewing real-time information, of whatever complexity, on maps with support to all the commands or normal screens.

The GeoSCADA function also supports developed functions such as clustering (symbol's complexity level based on zoom level), object interactivity, dynamic route and path tracking, for example tracking vehicle route with GPS, groupings and pop-up windows.

Movicon.NExT™ simplifies the management of information distributed throughout territories using the navigation and zoom criterion in cartographic systems that can be integrated in normal SCADA supervisory projects. The cartography can be used directly online or downloaded locally according to project needs.

IP Camera Visualization

The Movicon.NExT™ screens are equipped with specific viewer objects that visualize live images coming from any IP cameras that supports MPEG, H264 and H365 standard formats. These viewer objects are simple to use for visualizing images in supervision projects and they can also be accessed with Web Client.

Schedulers

Movicon.NExT™ provide schedulers to enable the user to plan activities and commands by scheduling events. The Schedulers offer powerful configurability, and at runtime as well, by using specific graphic objects to execute operations scheduled on calendar dates and time or on a weekly time plan. It also includes a holiday management and programmable exclusions.

Movicon.NExT™ Recipe Manager

Movicon.NExT™ offers a module that is used to edit and execute extremely advanced Recipes and configure archives to be managed asynchronously with respect to the Address Space. The configurator enables you to manage recipes that can be composed of a data layout, freely configurable user interface and independent connectivity to devices. Specific download and upload functions have also been provided for transferring recipe data atomically and which is made possible due to specific functionalities appropriately setup for this purpose in the Data Server's I/O drivers.

Multi-Language Text and Convertors

Each Movicon.NExT™ project can contain all text strings in a virtually unlimited number of languages so that it can be localized in with any language and character (Unicode also UFT-16 encoded for Asian Arabic characters). Texts are managed in the project's string table, which is fully compatible with Copy&Paste directly from Editors such as Ms Excel™. Any language can be changed and activated immediately both in Editor and Runtime mode. A specific language can be activated upon a Log On of a specific User and, as with the language change, the system's Font will adapt accordingly. The Convertors are customizable and manage conversion tables for each international unit of measure. The Movicon.NExT™ projects have no boundaries for they are truly international.

Voice Commands

Movicon.NExT™ has a speech recognition function that provides a simple way for you to manage vocal controls to execute any command in the project with your voice instead of using the keyboard or touchscreen. Each command object can receive a text string that will be decoded by the speech synthesis engine to enable the user to invoke the commands vocally.

Security and Audit

Maximum system access security with User and Password Management

Movicon.NEX™ uses a sophisticated security system to protect the system from unauthorized access and which is regulated by user authentication based on Memberships. With this technology, the platform can not only ensure maximum security but also maintain openness to other security providers. This gives you the freedom to customize the User Log On management with security providers such as Windows Passport™ that integrates biometrics recognition for example.

User and Password Management

The Movicon.NEX™ applications guarantee the maximum level of security and reliability. The complete and robust User and Password management has been specifically designed for the simple and integral creation of projects in conformance with the strict security norms. Movicon.NEX™ ensures maximum data and system access protection by managing a protection system that consists of 9999 User levels, which can be managed in Groups, and 32 access areas. All the security criteria are already integrated and configurable with a few clicks and include the Electronic Signature management, data tampering control, password expiry, automatic log off and Audit Trail management. Movicon.NEX™ also offers the possibility to define protection levels and traceability directly in each Tag independently from the commands associated.

Windows Active Directory

Movicon.NEX™ supports a centralized user management and Windows security and authentication system sharing that includes Active Directory.

Audit Trail

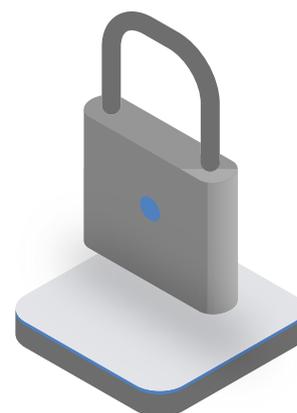
Each command operation and data variation can be submitted to the auditing and traceability processes that record and report each change with the resulting values, time-stamp and the responsible user. Dual signatures can be requested and managed for particular Audits that require them.

FDA CFR21 Part 11 and GAMP5

Projects are CFR21 Part 11 ready for FDA and GAMP5 validation and include encryption and historical data validation.

IEC 62443-3-3

The Cyber Security requirements of complex systems can be fully implemented in automation architectures based on Movicon.NEX™ technology.





Scripting .NET and Logic

Project realization openness made possible with the integrated VB.NET language

Movicon.NEX™ integrates a powerful VB.NET engine that executes code perfectly compatible with the VB.NET standard (Visual Basic for .NET™) and offers the use of a powerful wide ranging set of APIs. Properties, event and methods can be used not only for customizing any system functionality but also access your system's .NET world. Scripts can be run as normal routines or embedded in objects in response to events, such as graphic objects, alarm objects, templates, dataloggers and others. Logic with VB.NET language can be run on both Server and Client and with multithreading, which is the simultaneous execution of different scripts, to offer unmatched solutions among systems with different languages. The powerful debugger also offers step-by-step and breakpoint executions along with others.

Function Block Diagram Editor

Movicon.NEX™ integrates a logic editor to create sequential logic using a Function Block Diagram editor. By using this editor, you will be able to create logic in your supervisor without needing programming language know-how. The function block library, which contains all the main logic functions including PID control blocks, is expandable and customizable. In view of runtime availability for Windows 10 IoT, it is possible to think of small microcontrollers with logic units connected to the main supervisor to create Movicon.NEX™ ecosystems in Industrial Internet of Things (IIoT) architecture.

The Platform.NEX™ technology, on with Movicon.NEX™ is based, has been specifically designed for modularity and scalability. In addition to the suite of function modules offered by Progea, you can freely develop and add new modules to the platform to create vertical and integrated solutions with the great advantage of using the platform's functions to optimize work, increase performances and reduce development times and running costs. Progea offers wizard models for Ms Visual Studio with all what you need to build your own function modules using the .NET and C# technology. Furthermore, Progea provides documentation, SDKs and the training needed to create vertical solutions integrated with Platform.NEX™ technology.

Wizard and Automatic Design Engineering

The Movicon.NEX™ Builder is an integrated customizable tool that configures project design methods automatically is used to configure is an integrated, customizable tool, which allows you to configure automatic design methods, thanks to functions that can automatically generate projects or project parts. In addition, Movicon.NEX™ provides numerous tools to speed up the design, such as importers towards the most common formats, models, templates and parameterization tools for more expert users.



Flexible Design Engineering for Modular and distributed Projects

The Platform.NExT™ technology offers solutions targeted at making the design engineer's job easier to create modular, scalable or distributed architecture for their projects.

Centralized Network Projects

Supporting SQL Server enables projects to be created and centralized networks to allow various applications that are run remotely to share the projects centralized management over the net.

The network architectures can manage one project repository for all distributed workstations.

Child Projects (Modules)

Movicon.NExT™ projects can be modular and distributed by using the child project technology. A Child project is an independent project connected to the Parent project with which it shares the resources. This feature makes it possible to turn complex projects into modular and distributable projects, both locally for modules of the same project, and for complex plants and production lines where each Child project is autonomous locally and shared by a Parent project at a higher level.

Project Deployment

The Platform.NExT™ technology offers an important tool to manage project deployment by which the project can be installed and managed on another machine remotely. The Deploy Server is used to launch projects on the target machine and manage the main commands remotely. This tool is very handy for those design

engineers who use embedded systems or HMI devices that are also based on Linux.

WebHMI Integration

The Movicon.NExT™ WebHMI integration enables the platform to offer concepts of unprecedented scalability. A unique development environment guarantees designers the creation of any automation system from small HMI to the production management Control Room. The same Movicon projects can be transferred to WebHMI systems, consisting of the Movicon I/O Data and Web Server architectures, and convert WPF graphics to SVG to create small HMI systems based on Web architecture typically used in embedded systems as well as in Linux operating systems, for example systems with Cortex processor or Raspberry PI.

HTML5 Web Client Technology

Access your plant over the web in complete safety using Movicon.NExT™

The true concept of modern automation is the ability to access data of your automation system whenever and from wherever you may be. Users, Maintenance workers, Production Managers and Managers all need to have remote web access to manage, display and view production processes in total security. The Web Client technology performs these operations excellently, using the most modern and innovative technology in the world of web with HTML5.

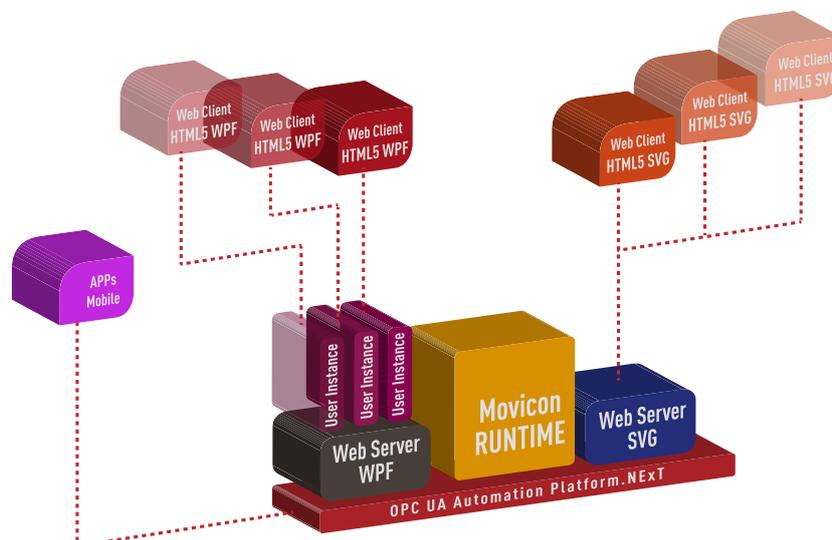
Web Access

All the Movicon.NExT™ project screens and features can be displayed over the web using any HTML browser or App, which come free from any app store. Operators can access, log on, interact and perform all operations using the functions setup by the designer to enable remote control over the web using the special security and features provided. All system access and commands are traced and recorded on the Server's Log. In addition,

Log on is completely independent from one Web Client station to the next and the multi-user function allows users to log on with different privilege levels. Purposely designed native tools, such as Dashboards, Grids, Data Analysis and Reports, allow direct access from the Web to the project's historical logs on the server and to perform analysis, including custom analysis, over the Web.

Movicon.NExT™ offers different Web technologies to allow designers to get the best use of the functional characteristics they provide in line with their needs:

- Web Client HTML5 in WPF and instances on server
- Web Client HTML5 in SVG, without instances on server
- APPs for iOS, Android and Windows mobile systems





Remote Access over the web for your every need

Movicon.NExT™ uses new generation and cross-platform Web Client technology offering adaptable needs-based solutions

With the emergence of the HTML5 standard, the Web Client technology can now offer users a real standard and cross-platform architecture that can run on any PC, operating system, browser or mobile device. The advantage of having a cross-platform solution is that it permits project accessibility from wherever in complete safety and undiminished graphics rendering. The Web technology can be used based on WPF instantiated on the server to obtain maximum screen graphics rendering and powerful performance of the entire user interface of Movicon.NExT™. If you do not need to have powerful WPF graphics on the Web Client, but need to manage systems with multi-user connections, then the SVG Web technology is the better option because it processes graphics locally on the client. There are also specific apps that enhance operativity on mobile devices based on operating systems based Google Android, Windows (WUA) or Apple iOS. These apps are downloadable free from the Store and make access to your plant by smartphone or tablet easier, more simple and performing.

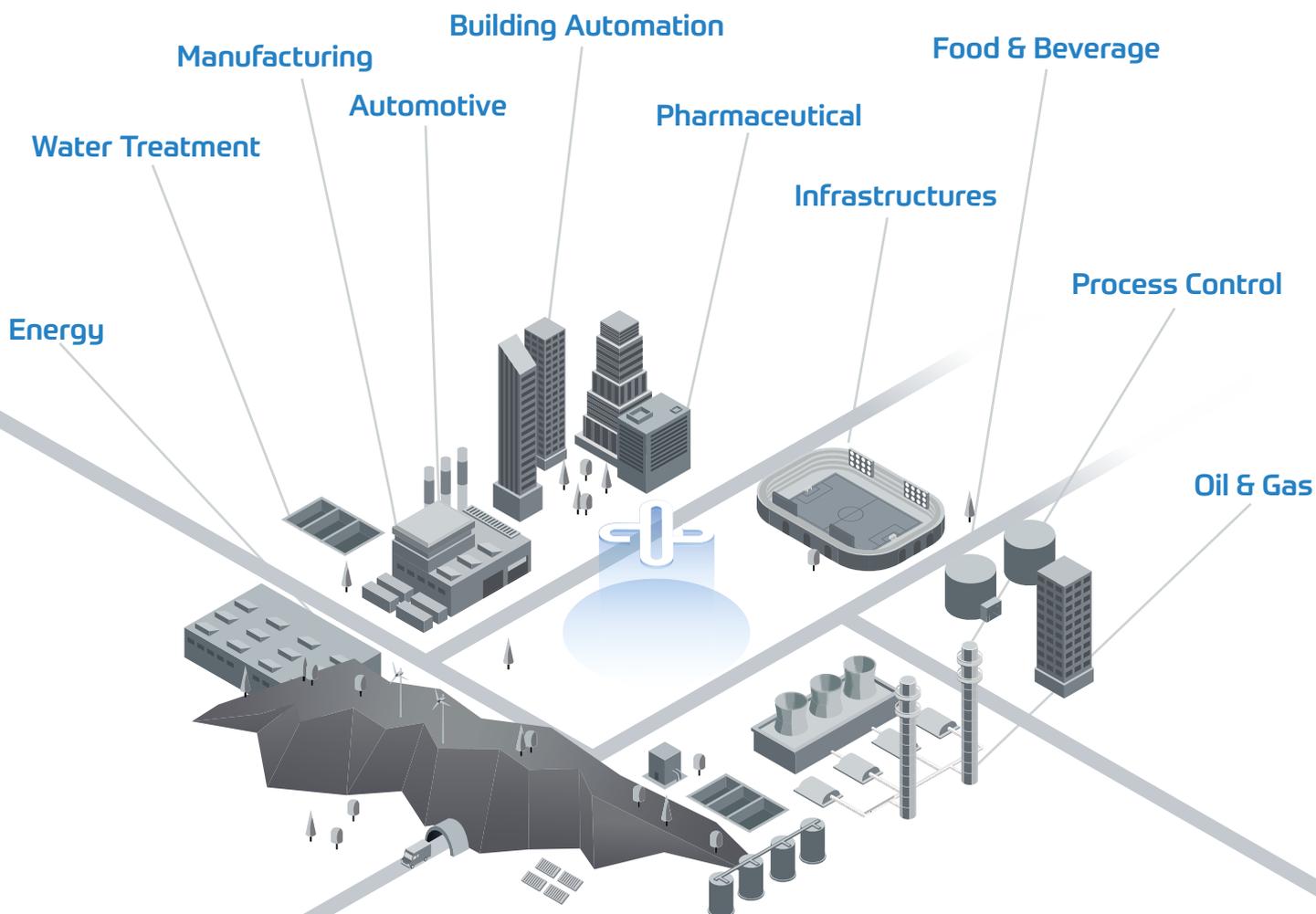
- Project access and visualization over the Web using any Web Browser with any operating system thanks to the HTML5 technology.
- Creating Web pages on server is completely automatic with one click.
- Dynamic server project screen visualization on web browser with user Log On, access control and restriction rules on Web side.
- No additional installation or configuration needed on Client or Server.
- Enhanced performances, transparent support to project functionalities and commands using a normal Web browser.
- Data management security.
- High performing and notifications on event only.
- Web tools for local analysis of historical data on server.
- Optimized WebSocket-based communications.
- Applications centralized on Server with no need to install or distribute software.
- Project Reports supported over the Web.
- Geographical Maps supported over the Web.
- Cognitive Augmented Reality supported.



For all automation sectors

Movicon.next™

The ideal solution for any industrial manufacturing, process control, infrastructures and Building Automation sector:

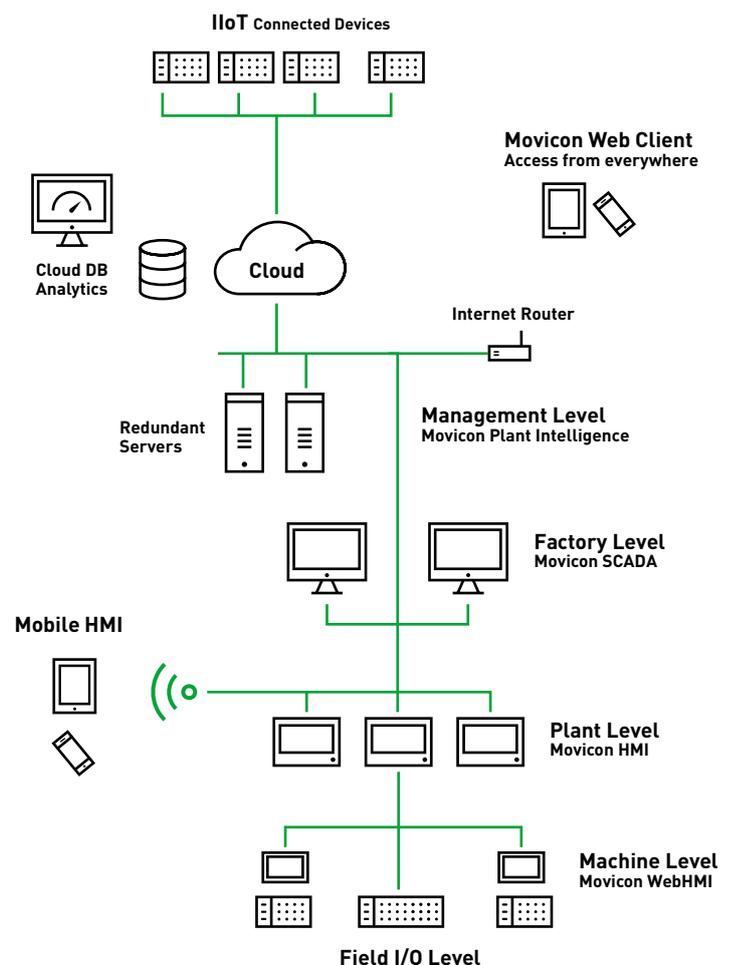


Easy. Simple. For Everyone.

Modular and Scalable Licenses

Modular and flexible licensing policy offering the best cost-effective solutions.

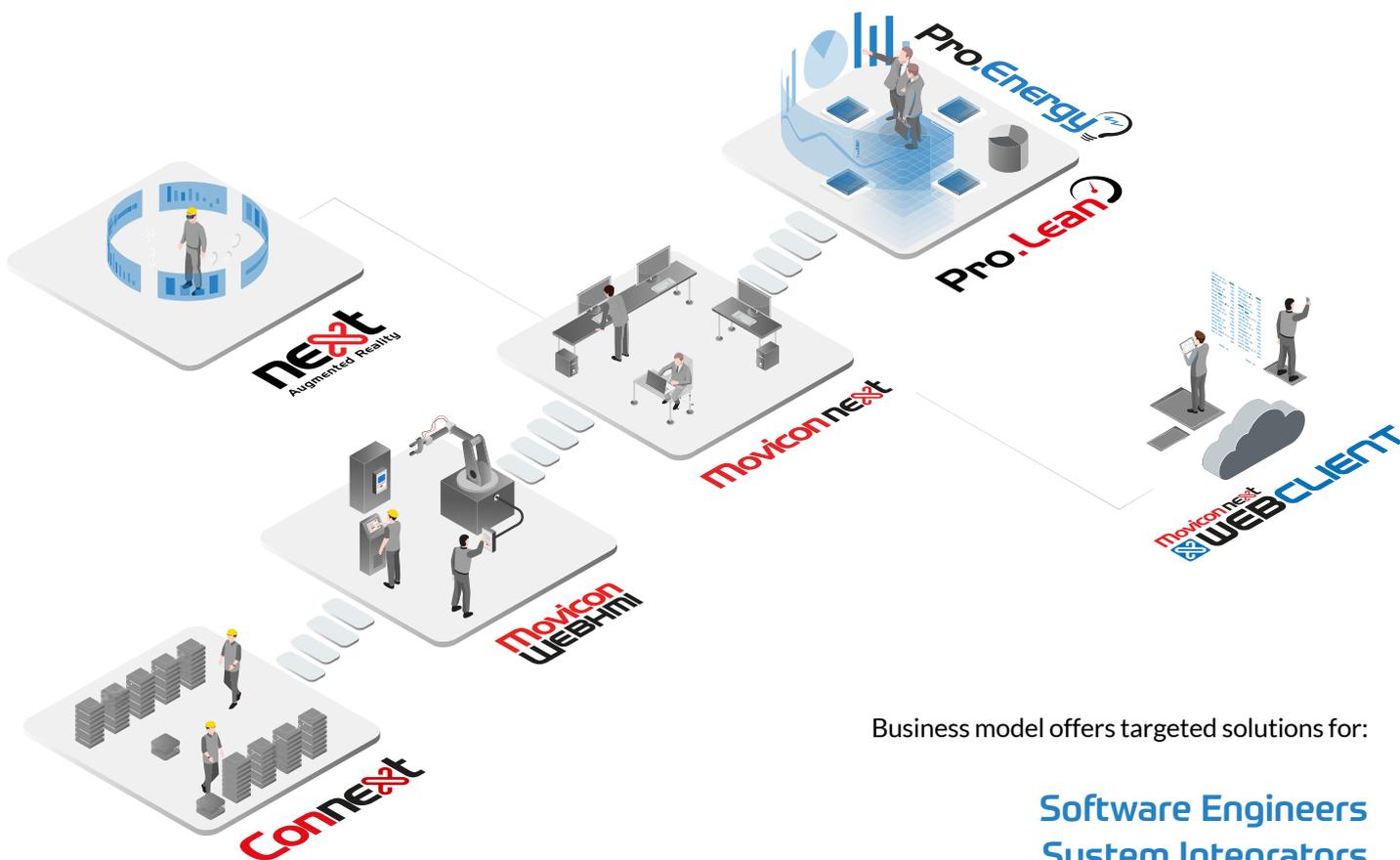
- Scalable Server/Client Runtime License based on number of field connected Tags.
- Scalable architectures, from small licenses to redundant and mission critical systems.
- HMI Runtime License for Machine Builders.
- WebHMI Runtime licenses for cross-platform, low-cost HMI solutions.
- Simple easy-to-distribute Client Runtime License.
- HTML5 Web Client or APPs require activation on server without installing license.
- Configurable NET License for network architectures with license sharing.
- Cost containing License Editor complete with all features and support.
- No hidden maintenance costs or service charges on runtime licenses.
- Software products runs in DEMO mode for full use of the development environment without technical restrictions and in runtime for two hours.
- Licenses available in USB dongle or as a software license key that can be activated over the Web.





Ecosystem of modular software products

Movicon.NExT™: an ecosystem of modular products at the service of Industry 4.0. Supervision, Connectivity and Efficiency in an all-inclusive industrial software platform.



Business model offers targeted solutions for:

- Software Engineers
- System Integrators
- Machine Builders
- Public Utilities
- End Users
- Partners
- OEM



30 years of experience in automation software technology

Care for quality

Progea is a company that has always placed product care at the center of its activity. The entire company, including the product development and validation processes are certified with System Quality ISO 9001:2015 norm, with audits in compliance with the EN50128 SIL 0 requirements.

Furthermore, Progea guarantees excellent customer care with its own support services, essential to all those operating in critical automation processes such as process control and infrastructures.

Value added Services

The Total Cost of Ownership (TCO) of a software platform is strongly influenced by the quality of the correlated services. Important parameters such as Learning Time, Response Time, Service Quality and Consultancy are generally considered the true add value of a software product. The Progea services have the quality that only the producer company can guarantee. Training, Technical Support and Consultancy are the assurance that customers can rely on when confronting any applied or unexpected need, one that also contributes to reducing internal implementation and development costs. Progea is directly present in their office in Italy, Switzerland, Germany and the United States. In addition, an international distributor network supports the Progea™ brandname worldwide.

The Movicon™ Community

Progea promotes and encourages active knowledge sharing. Progea has a vibrant user community where information, suggestions and advice are shared and where Progea administered web tools can be used to access all the technical information on the platform's life cycle and its technology. Progea regularly organizes Community events and free information and training programs. The website provides a Forum, Blog, Bugbase, KnowledgeBase, Examples and much more.

A solid partnership

The Progea software technologies are Le technologie software is ubiquitous in every industrial sector where is used for automation by leading companies with over 150,000 licenses installed worldwide. To demonstrate the quality and reliability of its software products, Progea is honored to have been chosen by the major players in industrial automation. The Progea technology is used and distributed by global leaders in automation and with different brand names other than Movicon™.

Download the software from the website and try it out by creating your own Movicon.NExT™ project. In the absence of a valid license, the software functions in DEMO mode and is fully operational.

www.progea.com | info@progea.com



Gold
Microsoft
Partner





Passion for innovation