Getting Started

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Welcome to FactoryStudio

FactoryStudio is a powerful platform to develop and deliver applications managing real-time information, providing a complete set of modules in a unified and intuitive engineering user interface.

Unlimited

FactoryStudio is a 100% .NET managed code application, allowing users to leverage and take advantage of the full potential of current technologies.

Flexible

FactoryStudio was architected from a “green field” and was created entirely without the employment of any legacy code; this made it possible to create a system simple to use and powerful. Projects can scale from local embedded devices and mobile applications up to very large, distributed, high performance fault-tolerant systems. FactoryStudio also aims to provide a unified complete solution, so the users don't have to build puzzles before starting their projects. The unified design from the ground up enables you to create a very flexible system while maintaining the easy to use and intuitive design.

Complete

FactoryStudio is a complete solution, all modules included. Its standard features include: real-time tags and assets database, user templates, alarms and events, historian, SQL tables and queries, recipes, XML, CSV, XPS and PDF reports, built-in embedded SQL database engine and web server, scripting, scheduling, OPC server and client, native communication protocols, graphical designer, delivering user interface displays accessible from desktops, remote smart clients, web browsers and native iOS app on iPads and iPhones.

A solution for today and tomorrow

FactoryStudio has high ROI and longevity, by the use of consolidated current technologies



The FactoryStudio Platform

The FactoryStudio platform provides a single engineering environment which helps customers get the most out of their systems by providing the richest experience in leveraging data from a variety of runtime environments and mobile devices. FactoryStudio platform provides:

Hardware independence: the same product installs on different versions of Windows and includes the communication interfaces to the market equipment and industrial protocols. Projects can be deployed to run on Windows or Linux operating systems.

Friendly and collaborative engineering, facilitating the life of the developer, offers a new multi-user and multi-project environment with resource optimization for editing and running multiple simultaneous projects.

Ease of management of projects: the project is saved in one single file, organized by SQL tables in an encrypted database. Access, edit and run your project from local or remote computers.

Smart tag editing: advanced types, templates with hierarchy, arrays, categories, intelisense for editing, cross-reference, and other unique features allow the creation of powerful data models with quick configuration.

Vector graphical Interface: WPF designer tools deliver a visually impactful user experience, with resolution independence, and support publishing pages for rich clients, .NET click-once thin clients, HTML5 pages, mobile and iOS native apps.

Native SQL database and easy integration with any other banks such as Oracle, ODBC, ADO.NET or OLE-DB, MySQL and Microsoft SQL Server.?

Tag data logging and Historian to any database and advanced trend chart with annotations support.

.NET scripts, 100% .NET "Managed Code" makes FactoryStudio “Intrinsically safe”. Leverage both C# and VB.NET for scripting.

Traceability and control project versioning, suitable for high-performance teams, because it allows the user to have remote access and simultaneous to the configuration.? Advanced tools to execution in Test mode and commissioning diagnostics.

Communication drivers to PLC's with native protocol implementation and OPC server and client support.

Alarm and Events, including Audit Trail and supporting FDA 21 CFR 21 requirements.

Reports and data access API for integration with third-party tools.

Online configuration, project hot-swap and out-of-the box hot-standby deployment

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Applications

Implement custom solutions

Applications delivered with FactoryStudio range from a couple hundred to more than one hundred thousand communication points.

Process Control & Data Aggregation

Process control stations require reliable server components and dedicated rich displays, so the security can be enforced and you have access to the full power of the computer. FactoryStudio has the complete set of functionality to implement distributed mission critical process control applications.

Mobile Native Applications

A native application provides functionality and a quality of user interface that a web page just can’t match. FactoryStudio allows the same displays created for desktops to also be available to run natively on iOS devices.

SCADA, HMI and PIMS

FactoryStudio has the full spectrum of expected SCADA functionality and goes beyond, extending the real-time database concept towards IT systems, including objects such as data structures, dynamic arrays and images, time events, data tables, all with a tight connection with .NET languages for calculation engines and custom logic.

HMI, Embedded and OEMs

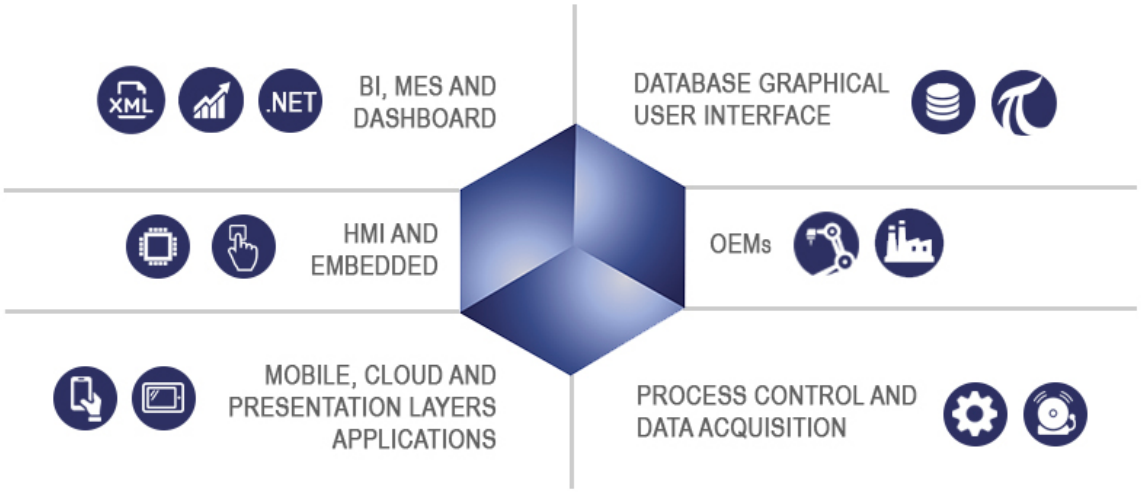
FactoryStudio has a wide range of built-in PLC protocols and a special version for HMI and embedded systems. The version control system, small footprint and remote access make FactoryStudio the best choice for machine builders and other OEMs.

Performance Monitoring and BI

The ability to create a presentation layer that is source independent and cloud-ready, the support for automation protocols and IT network management protocols, the .NET integration, all make Factory Studio an excellent tool to create operational dashboards.

SQL and PI Systems Front-end

FactoryStudio has many features to manage SQL Databases, tables and queries in real time. It also has SDK-level data synchronization with OSIsoft PI System(tm) and PI AF(tm). That makes it the number one platform when you need to create custom dynamic graphics and front-end custom user interfaces to those systems.


XML
.NET
BI, MES AND
DASHBOARD
DATABASE GRAPHICAL
USER INTERFACE
HMI AND
EMBEDDED
OEMs
MOBILE, CLOUD AND
PRESENTATION LAYERS
APPLICATIONS
PROCESS CONTROL AND
DATA ACQUISITION