

Introduction to InTouch Machine Edition (ITME)

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Confidential Property of Schneider Electric



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Overview

Vision and Value Proposition

The Vision



An open-standard based architecture, designed from the ground up with security in mind.

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Platform Independence



Portability



 Windows 10

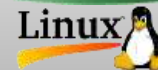


 Windows Embedded
Standard 7



 Windows Embedded
Compact



 Linux



Mobility



Interoperability



 MQTT.ORG

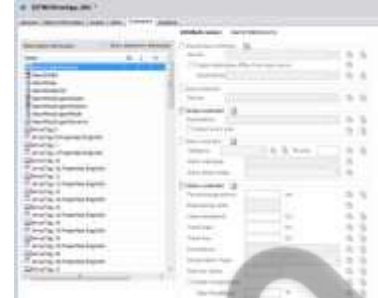
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Portfolio Integration

Best in class solution integrating local HMIs with central SCADA system, increasing productivity and quality

- ✓ Seamless IDE integration
- ✓ ArchestrA Galaxy Repository
- ✓ Automatic point mapping
- ✓ Event-driven value communication
- ✓ Synchronized Alarm Status
- ✓ Native support for Wonderware Historian
- ✓ Remote Management and Deployment



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Value Proposition

InTouch Machine Edition is an **easy-to-use**, powerful, and affordable **HMI software** for PCs, industrial panels, embedded & mobile devices



Design the applications in an integrated development environment and deploy/run it on multiple platforms, including any current Microsoft Operating system - Windows CE/Mobile, Embedded, Desktop and Server Editions, Linux, VxWorks, among others.

Investment Protection and ROI

100% Compatibility with applications designed in previous versions

Evolve protecting your investment!



**2013
ITME**

Windows XP
Windows Embedded Standard 7
Windows Embedded Compact 5 / 6



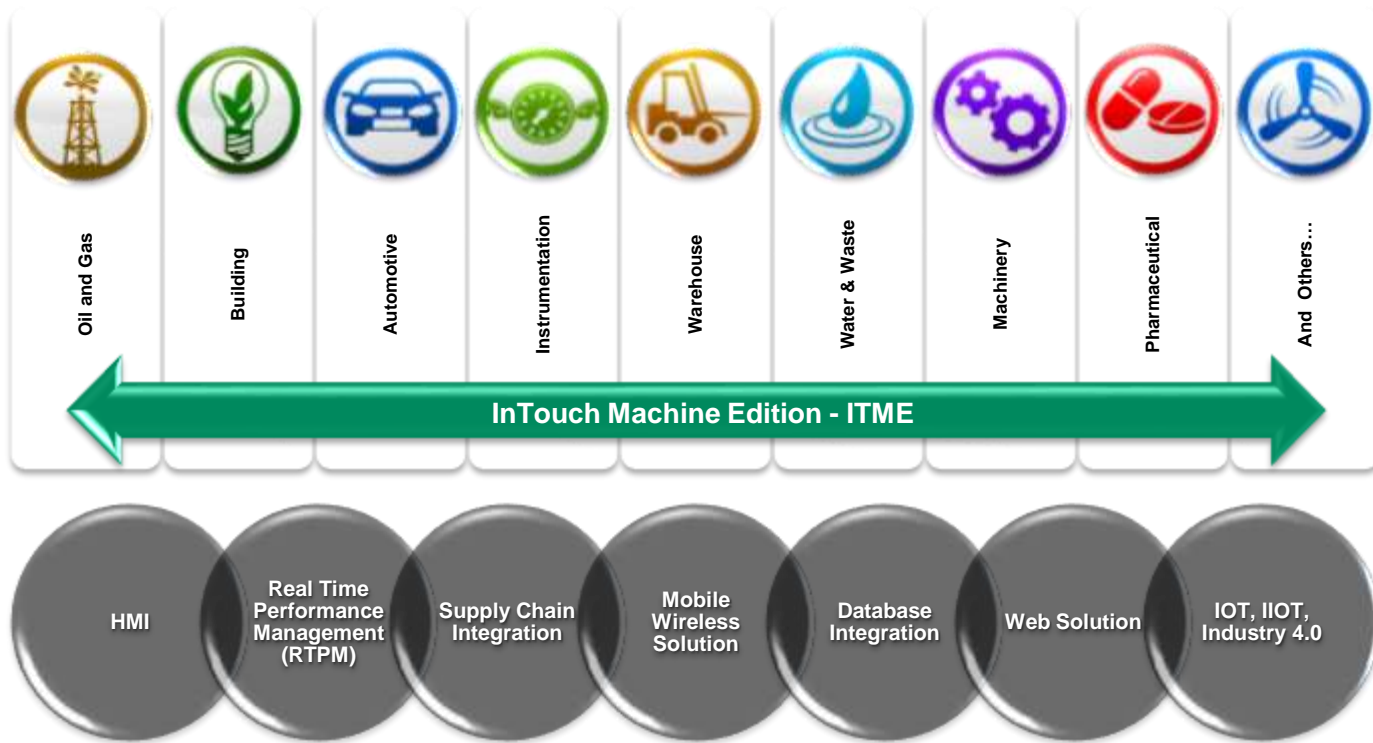
**2016
ITME v8.0**

Windows 10 / 8 / 7
Windows Server 2012 / 2008
Windows Embedded Standard 7
Windows Embedded Compact 7 / 6 / 5
Linux / VxWorks

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Vertical Markets



Any vertical market ... Any application

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Product

Main features, characteristics, and competitive advantages

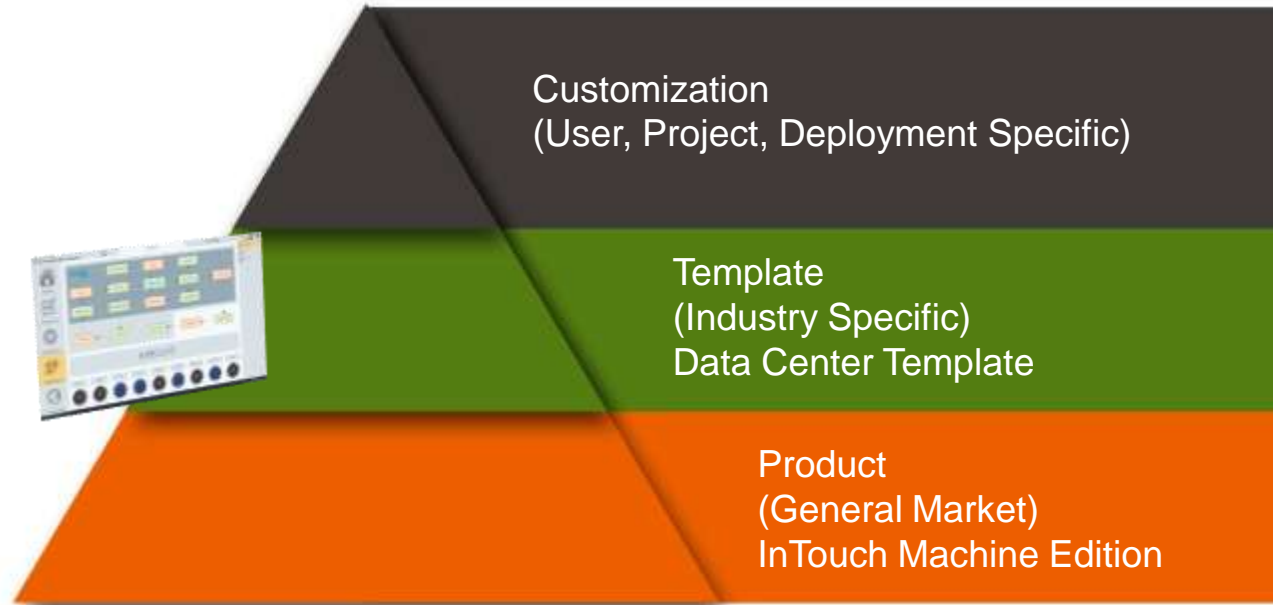
Comprehensive set of tools for HMI



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Solution in Layers



OEM focused template architecture

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Templates

PackML



“**PackML**, which stands for Packaging Machine Language, defines a common approach, or machine language, for automated machines. The primary goals are to encourage a common "look and feel" across a plant floor and to enable and encourage industry innovation.”

-OMAC

OEE



“**Overall equipment effectiveness (OEE)** is a concept utilized in a lean manufacturing implementation. **OEE** is becoming a commonly utilized maintenance metric within lean organizations. The high-level formula for the lean manufacturing OEE is:

$$\text{OEE} = \text{Availability} \times \text{Productivity} \times \text{Quality}.”$$

-Reliable Plant Web Site

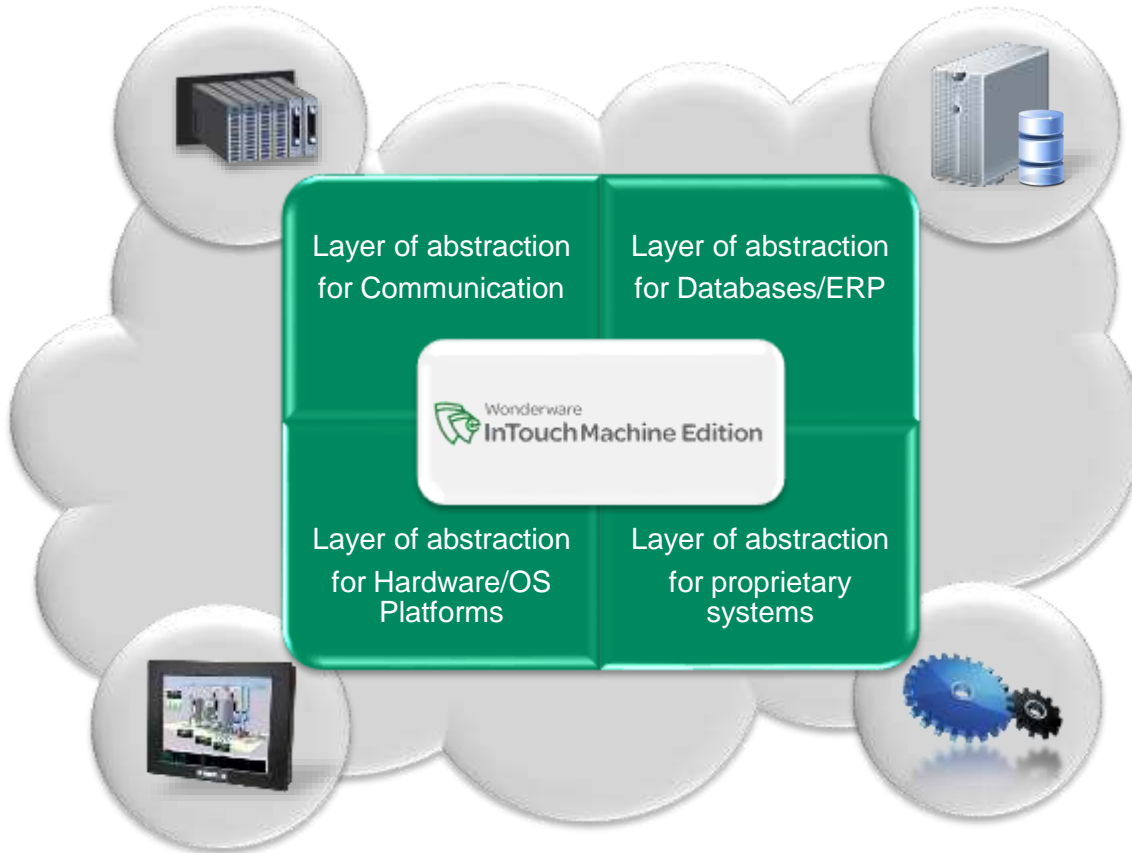
ANDON



“**Andon** (Japanese: アンドン or あんどん or 行灯) is a manufacturing term referring to a system to notify management, maintenance, and other workers of a quality or process problem. The center piece is a signboard incorporating signal lights to indicate which workstation has the problem.”

-Wikipedia

Modular Architecture



Portability

Single,
integrated
development
environment

InTouch Machine Edition
Development Station



Develop once,
Deploy
anywhere



InTouch Machine Edition “full runtime”



EmbeddedView



CEView



IoTView



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Mobility



Studio Mobile Access (SMA) Thin Clients

Platforms: Agnostic

Host: Web Browser agnostic

Technology: HTML5



Secure Viewer Thin Clients

Platforms: Windows

Host: Secure Viewer (executable)

Technology: ActiveX

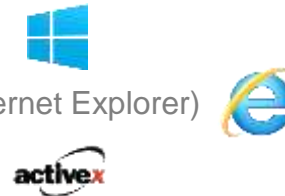


Web Thin Clients

Platforms: Windows

Host: Web Browser (Internet Explorer)

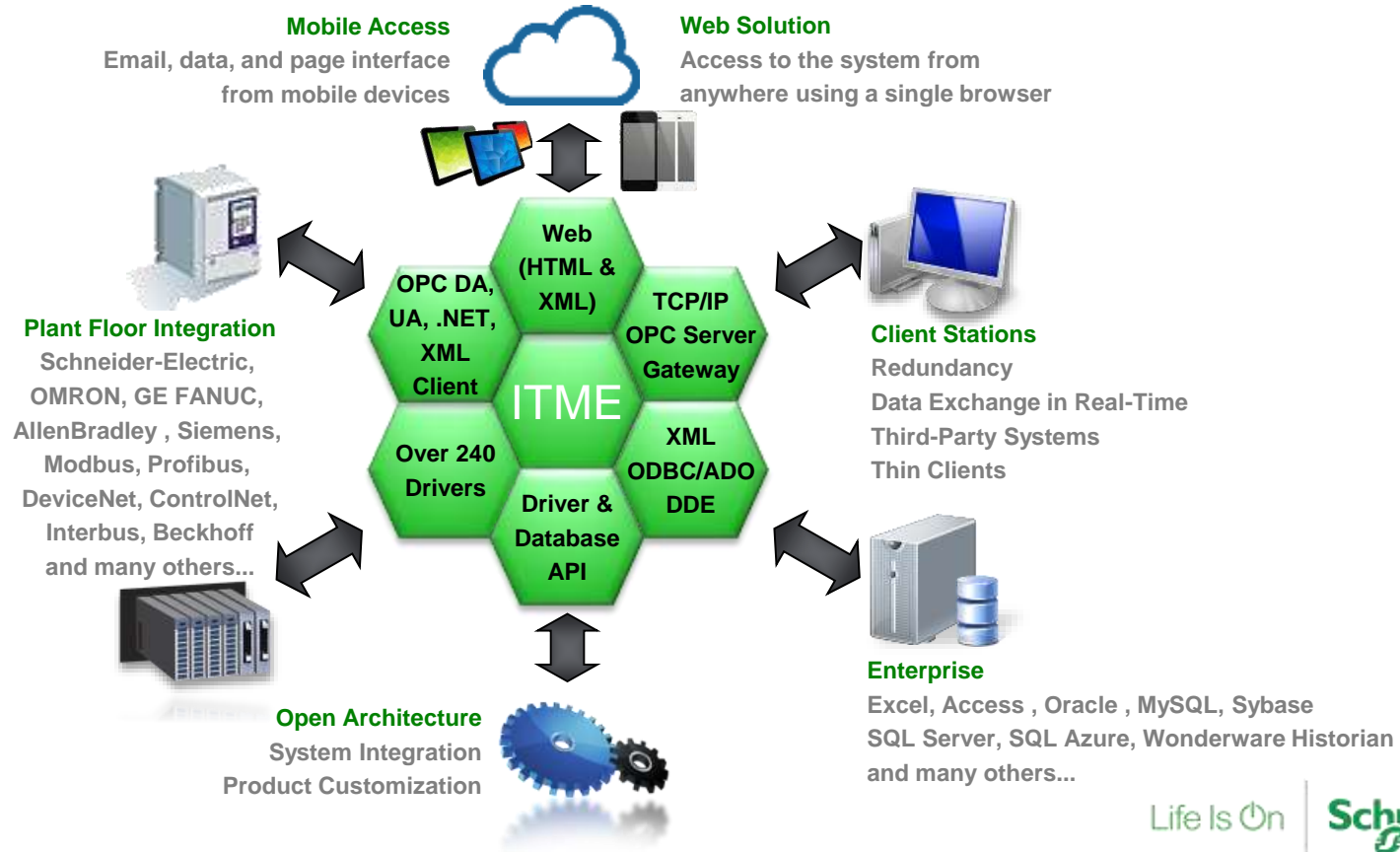
Technology: ActiveX



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Interoperability



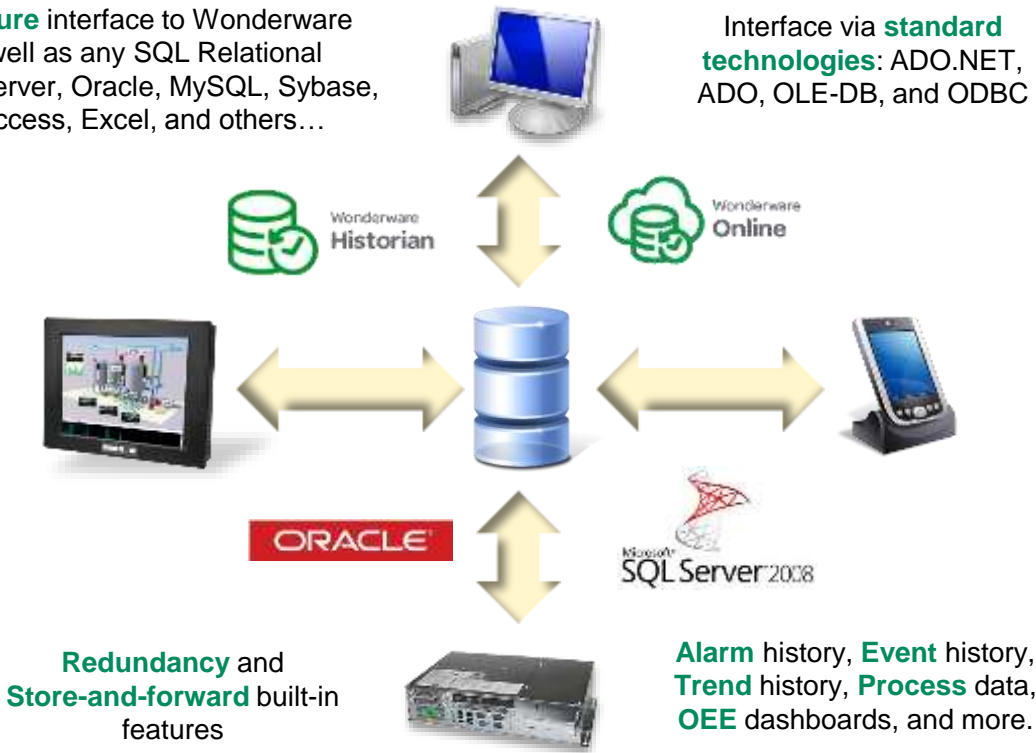
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Wonderware Historian and Database Interface

Easy-to-configure interface to Wonderware Historian as well as any SQL Relational Database: SQL Server, Oracle, MySQL, Sybase, OSI PI, MS Access, Excel, and others...

Interface via **standard technologies**: ADO.NET, ADO, OLE-DB, and ODBC



Redundancy and **Store-and-forward** built-in features

Alarm history, **Event** history, **Trend** history, **Process** data, **OEE** dashboards, and more.

Licensing

The Power of Choice: Support for all features in any product type always meets your needs.

Different product types to fit your budget.



License Levels

ITME 60K tags

ITME 3K tags

ITME 1K tags

ITME 500 tags



License Levels

ITME 3K tags

ITME 2K tags

ITME 1K tags

ITME 500 tags

ITME 100 tags

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A photograph of a woman with brown hair tied back, wearing a pink sweater, blowing a large white bubble. A young child with dark hair and bangs, wearing a dark blue shirt, is pointing their right index finger at the bubble. They are in a room with a white brick wall and a green plant in the background. A green horizontal bar is overlaid on the left side of the image, containing the text 'Life Is On' and 'THANK YOU'.

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THANK YOU

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