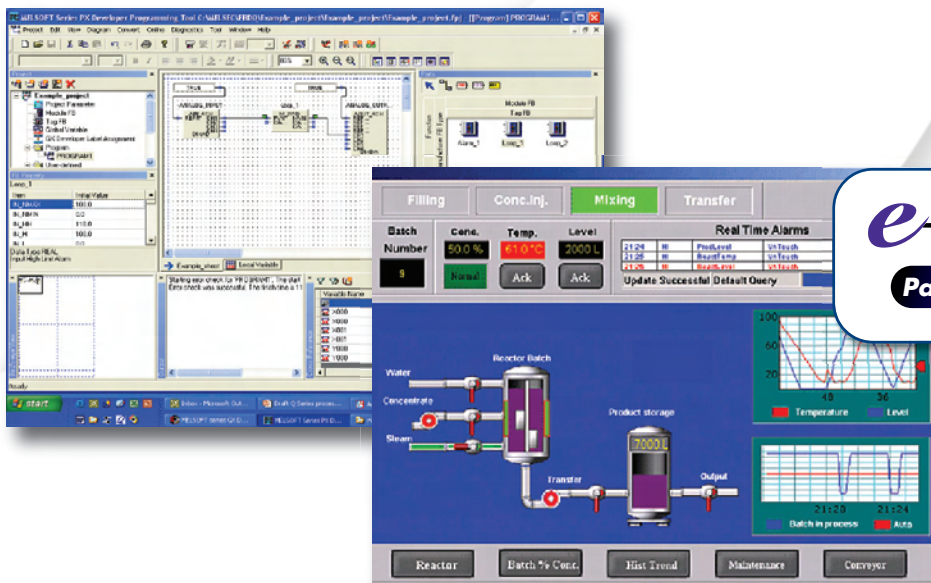


InTouch

PROCESS SOLUTIONS

Visualization and control working in harmony



e-Factory
Partner Product

InTouch® HMI



Reduce system build time by reusing PX developer faceplates in InTouch 10



Reduced system build errors because of shared tag names



Quicker and more efficient information flow because of optimized communication



Greater security as PX developer alarms can be directly accessed from InTouch 10

Advanced Process Control



Innovation, high availability and speed to market define Process applications

The Process Industry is constantly under pressure to reduce costs, be quicker to market and to find more competitive advantage. One area being considered is the use of different control concepts and philosophies. This has come about as more and more control engineers have realized that many applications are a hybrid mix between the demands of process and discrete engineering.

Distinct in its field

It would be fair to say that the traditional DCS has a reputation for providing the very highest levels of instrumentation and control with reliability. But it would also be fair to say that this comes with a price tag and that the Total Cost of Ownership (TCO) is not as low as many would like.

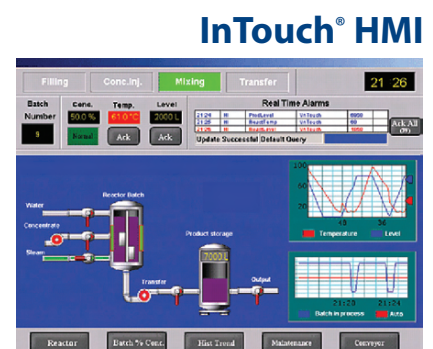
A new way of thinking

Increasingly control engineers are looking outside of the traditional DCS based control solution to an "off the shelf" PLC concept which offers lower implementation costs, greater access to spare parts and overall a reduced cost of ownership.

Process Collaboration

Mitsubishi Electric have long had a reputation for high quality and highly reliable automation solutions, a fact which is demonstrated by being the global number one PLC vendor by volume sales.* Wonderware also has a high reputation, especially in process applications, for their ease of use, flexibility and cost performance.

Both companies have recognized each others performance and have brought together two highly respected process solutions; Wonderware's InTouch SCADA and Mitsubishi Electric's PX Developer and Process CPUs. This powerful combination delivers an integrated control and monitoring solution which save Control Engineers time, costs and adds a level of flexibility not commonly seen in other solutions.



Two process industry standards working in harmony.

Enhanced functionality

The Mitsubishi-Wonderware collaboration has resulted in a fundamental integration in four areas;

- Faceplate integration
- Optimized communication
- Sharing of tag names
- Alarm integration

■ Reduced development time

Integrating PX Developer's advanced faceplates directly in to InTouch has been a milestone in itself. Utilizing these high function PID tuning tools, a well known part of PX Developer's monitoring tool, enables users to fine tune and monitor PID loops, in real time, directly in InTouch without having to recreate a single faceplate – reducing development time and errors while increasing performance.

■ Enhanced communication

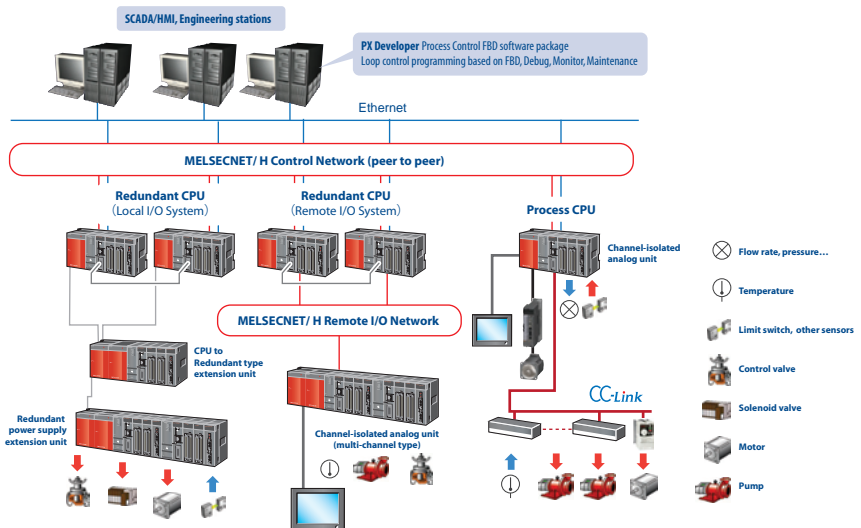
InTouch and PX Developer utilize a high performance data communication process which means users get better and higher quality data sharing between their operational environments.

■ Tag name sharing

InTouch can directly use its tag browser function to view and use PX Developer tags immediately. This feature reduces errors due to mistyping and speeds up the system development time.

■ Alarm, alarm!

Using InTouch's Alarm Provider function PX Developer alarms are directly integrated in to the SCADA environment where they can be viewed and acknowledged immediately. This increases the system performance and reliability as no alarms are overlooked but also reduces the development time needed to create a comprehensive alarm list.



A complete range of process solutions

Process solutions

Mitsubishi Electric and Wonderware can offer Control Engineers more than integration between InTouch and PX Developer, for example:

■ Dedicated Process CPUs

Mitsubishi offer a range of CPU's with high performance PID algorithms with up to 50 dedicated PID instructions to cope with the most complex of demands.

■ Redundancy –

Whether it is redundant CPUs, power supplies or networks Mitsubishi has a solution. And if you want high availability data systems then Wonderware InTouch could be your choice.

■ Hot swap –

Mitsubishi Process solutions offer hot swapping of modules as standard allowing you to keep your systems running while you maintain them.

■ Galvanic isolation –

It goes without saying that analog and temperature control solutions, including high speed loop controllers are available with galvanic isolation.

■ Historial tracking –

Wonderware's Historian software provides users with a flexible and easy to use record of past manufacturing events.



Cost optimisation, speed to market and reliability are key to Control Engineers

Specifications ///

PX Developer Item	Specifications
Target CPU	Process CPU (Q12PHCPU/Q25PHCPU) Redundant CPU (Q12PRHCPU/Q25PRHCPU)
Version	1.18U or later (English)
Programming Language	IEC61131-3 compliant FBD language
Target network	CC-Link, CC-Link IE, MELSECNET/H, MELSECNET/10, Ethernet (10/100 Mbps), RS232 (CPU port), USB (CPU port)

InTouch Item	Specifications
Version	10.0 or later (English)

*According to the 2004 Worldwide PLC survey conducted by the respected American automation research company ARC. ARC is protected by ARC Advisory Group copyright 2004. # Wonderware is a part of the Invensys group.

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