

Automotive Solutions

Flexible Architectures



Architecture Legend

- 1** Machine HMI
- 2** Production Monitor, Andon, 50", 65", 80" or video wall
- 3** Remote (thin client) HMI for large or long machines
- 4** Control Room
- 5** Remote tablet and phones (iPad, Android and others)

Import Tools Available

PanelBuilder32™ (Rockwell Automation),
FactoryTalk ME/SE (Rockwell Automation), PanelMate (Eaton)

- Minimize cost and time to convert
- Retain "look and feel" for operator familiarity
- Replace obsolete hardware
- Prevent future obsolescence
- Enhance functionality using InduSoft tools and features

Scalability

- Effortless Auto Scale resolution up or down with single checkbox
- Develop once and deploy anywhere
 - » Flexibility to choose hardware and operating system
- Drive many Andon Dashboards (Production monitoring) remotely from HMI reducing development time/cost

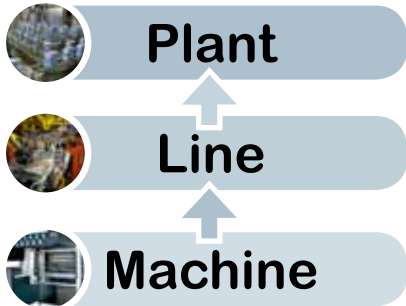
Connectivity



- Over 250 drivers built-in, not only PLCs, robots, temperature, motion, barcode/RFID at no additional cost
- OPC DA/UA, Client or Server allowing communication to nearly anything
- Log Database, any SQL, Access, Excel, Oracle, and historians to understand and react to improve throughput and quality
- Seamlessly share data between multiple brands of PLC's simultaneously

Focus on Automotive

Scalable, full-featured solution



Collect – Analyze – Improve

Production Management -
Digital Signage, Traceability

Asset Management &
Preventive/Predictive Maintenance

Overall Equipment Effectiveness - OEE

Statistical Process Control - QAM

Operational Interface -
Human Machine Interface

Improve Productivity - Simplify Processes – Decrease Time-to-Market

Everything Included

- Everything's built-in to create a complete HMI/SCADA project
- Single install, reducing "time to get started" and "future frustrations"
- No need to go back to purchasing

Applications

- Stamping
- Powertrain
- Material Handling
- Robot
- Paint
- Tier I, II, III
- OEMs
- Machine Builders
- System Integrators
- Assembly
- Energy Management

OEE and Andon

- Templates to reduce development time
- OEE and Andon Symbols included
- Multi-monitor (video wall) support
- Highly visible, large screen, Andon boards for every zone/area
 - » Can be on different screens, logins, and languages



Symbol Library

- Over 1000 Symbols included (updated constantly)
- Use Symbols "as-is", modify or create your own
- More than just graphics, think of Symbols as creating your own "objects"
- Improve development time and create consistent user interface



Tools for System Integrators

- Password protect your IP (Intellectual Property)
- XML Screen Import option provides development and runtime flexibility
- FactoryTalk™, PanelBuilder32™, PanelMate™ import tools available

Data Collection

- Log any data to any SQL database
- You can't fix what you can't measure
- Accurately measure production, quality, OEE
- Flexible built in interface doesn't require knowledge of SQL
- Query and evaluate databases created by 3rd party sources
 - » Including ERP, MES and quality systems
- Optimize Product Changeover



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