Solutions from Lean Connectivity to Lean Automation
Reduce your design time with lean technologies

Eaton offers innovative technologies, reducing the time to design and produce your control solution. XV HMI-PLC with integrated SmartWire-DT connects motor starters and pilot devices without conventional point-to-point wiring. From design through construction to commissioning and system expansion, this solution creates value at every step.

XV HMI-PLC with integrated SmartWire-DT
Available from 3.5” to 10.4”
Lean Connectivity: SmartWire-DT
SmartWire-DT helps you to optimize the functionality and cost of your control panels with a wiring solution that revolutionizes the way you build panels. SmartWire-DT reduces panel complexity by replacing traditional control wiring with a single, durable cable. This unique, cost-effective panel wiring solution simplifies device installation and streamlines commissioning.

SmartWire-DT
- Replaces the point-to-point control wiring to components
- Enables diagnostic capabilities at the component level
- Works with standard control components
- Reduces engineering design time
- Reduces the time required for wiring, testing and commissioning

Lean Automation: XV HMI-PLC
The Eaton XV HMI-PLC offers you operation, control and communication in a single device, all developed with XSoft-CoDeSys-2 software based on the IEC 61131-3 programming standard. High resolution resistive touch TFT displays offer brilliant images available in sizes from 3.5” to 10.4”.

XV HMI-PLC
- Offers one software package for control and visualization
- Provides customized design of the operator console
- Includes operation, control and communication in a single device
- Remote access for program updates

Programmed with XSoft-CoDeSys-2 Software
- IEC 61131-3 Logic Programming options:
  - Ladder Diagram
  - Structured Text
  - Sequential function chart
  - Function block diagram
  - Continuous function chart
  - Instruction List
- Target visualization on the XV screen
- Web visualization from a remote browser
- Advanced simulation, de-bugging and commissioning features

XSoft-CoDeSys-2 Software can be used for visualization. The SmartWire-DT line is configured simply using SWD-Assist.
Lean Solutions can transform the way you build control panels by making systems smaller, smarter and faster to assemble. XV HMI-PLC with integrated SmartWire-DT delivers increased productivity and reliability, leading you to higher levels of profitability.

**Increased Productivity**
- Speed up your panel assembly by eliminating complex wiring and PLC I/O modules
- Simplify your programming integration using XSoft-CoDeSys-2 software
- Reduce your hardware costs by combining your PLC, HMI and gateway hardware into one unit
- Easily access your system using web connectivity for monitoring and program editing
- Reduce your engineering costs by eliminating the need for panel wiring schedules
- Improve the re-usability of your programs by building on open IEC 61131-3 standards

**Increased Reliability**
- Decrease your maintenance and troubleshooting by having fewer wires and terminations
- Easily monitor your system with component level LED status indicators and remote diagnostics
- Protect the integrity and craftsmanship of your panel by deterring unauthorized wiring changes

Lean Solutions: Improving your bottom line