Connectivity and expansion challenges

- RTU/Controller expansion could be prohibitively expensive or not possible
- Additional Controls at the remote location might be required
- Wide varieties of Pad & facility configuration
- Single controllers have limited built-up I/Os and capability
- Time consuming integration time for different hardware for I/O and comm.
- Too many points of failure
XIO Remote Extendable I/O
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The ABB value proposition

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**Products**
Setting benchmark for smart remote IO, with auto-discovery and hot swapable IO models for green and brown field installations

**Independent & Expandable Controller**
Easy to integrate with other controllers

**Digital**
Built-to meet future digital solution with multiple protocols and connectivity options, such as Ethernet, WiFi and Bluetooth
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XIO Family - Hardware features

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The XIO provides enhanced and scalable IOs and small controls capacity to existing and new sites.

- Three hardware configurations for 8, 4 or none Serial port options
- DIN Rail mount enclosure & Class 1, Div 2 area classification
- Operating temperature -40 °C to 60 °C
- Up to 22 TFI0 modules Hot-pluggable/hot-swappable support
- Auto-discovery for easy configuration
- 4 Ethernet ports for networking configuration & Wi-Fi and Bluetooth for wireless local configuration
XIO Family - Software features
XIO the smart remote expansion

The XIO provides multiple software:

- Multiple XIOs interconnected to an RMC or any other controller via XIO Interface or Modbus TCP/IP, and Fail-Safe option to allow independent operation
- Hot pluggable and swappable IO modules and Auto-Discovery, and data transfer via XIO interface when connected to an RMC or to a Master XIO.
- Multiple network configurations, including port forwarding, and network separations
- Up to 4 Smart Applications, such as AGA3, AGA7, Plunger Lift and Gas Lift
- Multiple standard applications as Alarm, Shutdown and PID, Trends and others
- Auto-discovery for easy configuration and transfer of data to Master XIO or RMC.
XIO – Expandable IO Versatile modular design
Meeting demands and automation needs of today and tomorrow

- Remote I/O and Serial expansion
- Auto-discovery and post-based VLAN
- Interoperability with any controller
- WiFi & Bluetooth
- Hot pluggable IO Modules
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