

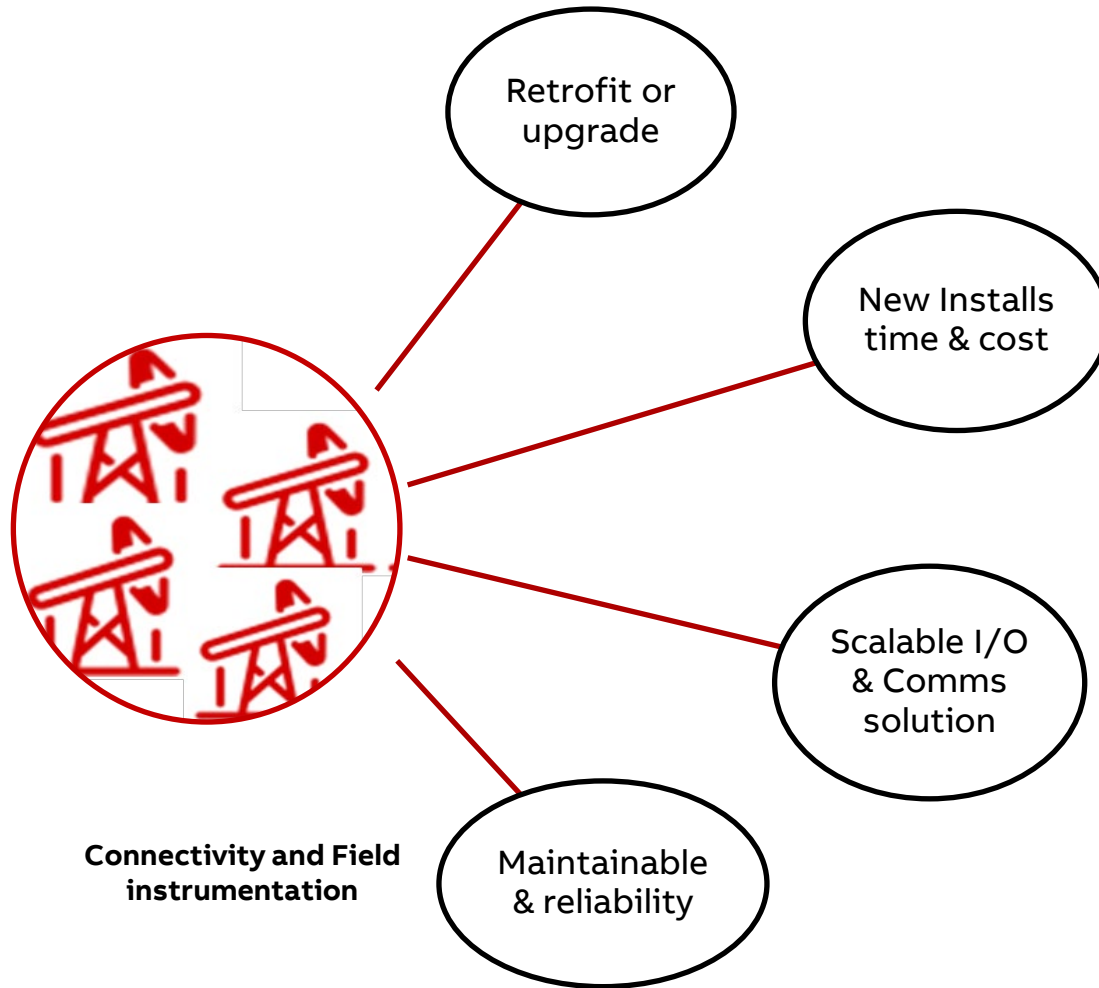


MEASUREMENT & ANALYTICS

XIO – Remote Expansion

Giulia Seikel

Connectivity and expansion challenges



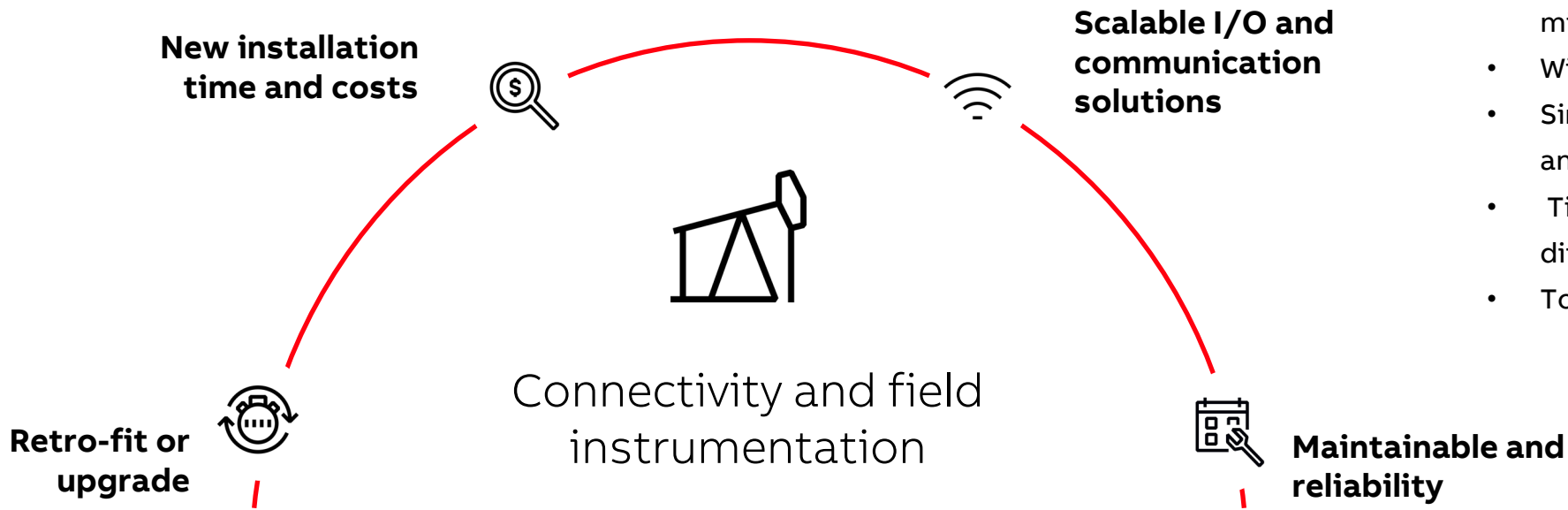
- RTU/Controller expansion could be prohibitively expensive or not possible
- Additional Controls at the remote location might be required

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- Wide varieties of Pad & facility configuration
 - Single controllers have limited built-up I/Os and capability

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- Time consuming integration time for different hardware for I/O and comm.
 - Too many points of failure
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XIO Remote Extendable I/O

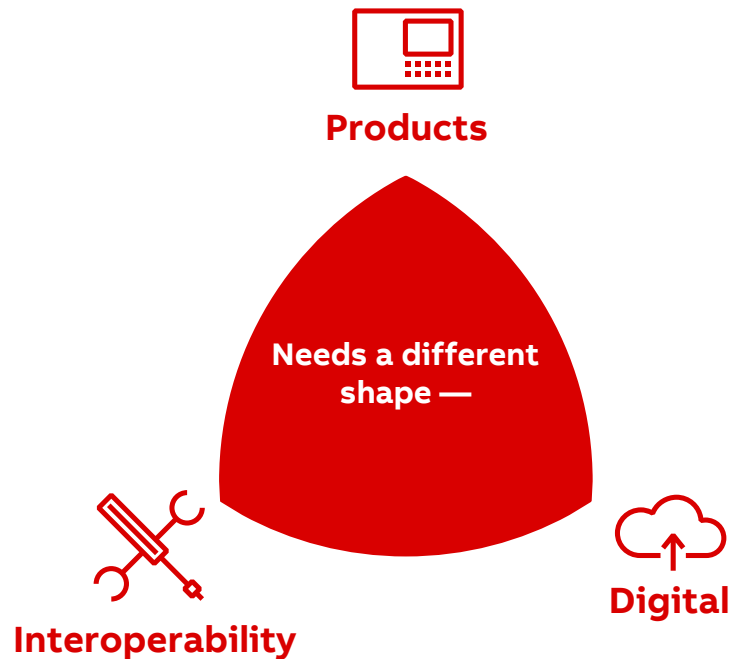
Connectivity and Expansion Challenges



- RTU/Controller expansion could be prohibitively expensive or not possible
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The ABB value proposition

XIO the Market leading solution for smart remote expansion



Products

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

Independent & Expandable Controller

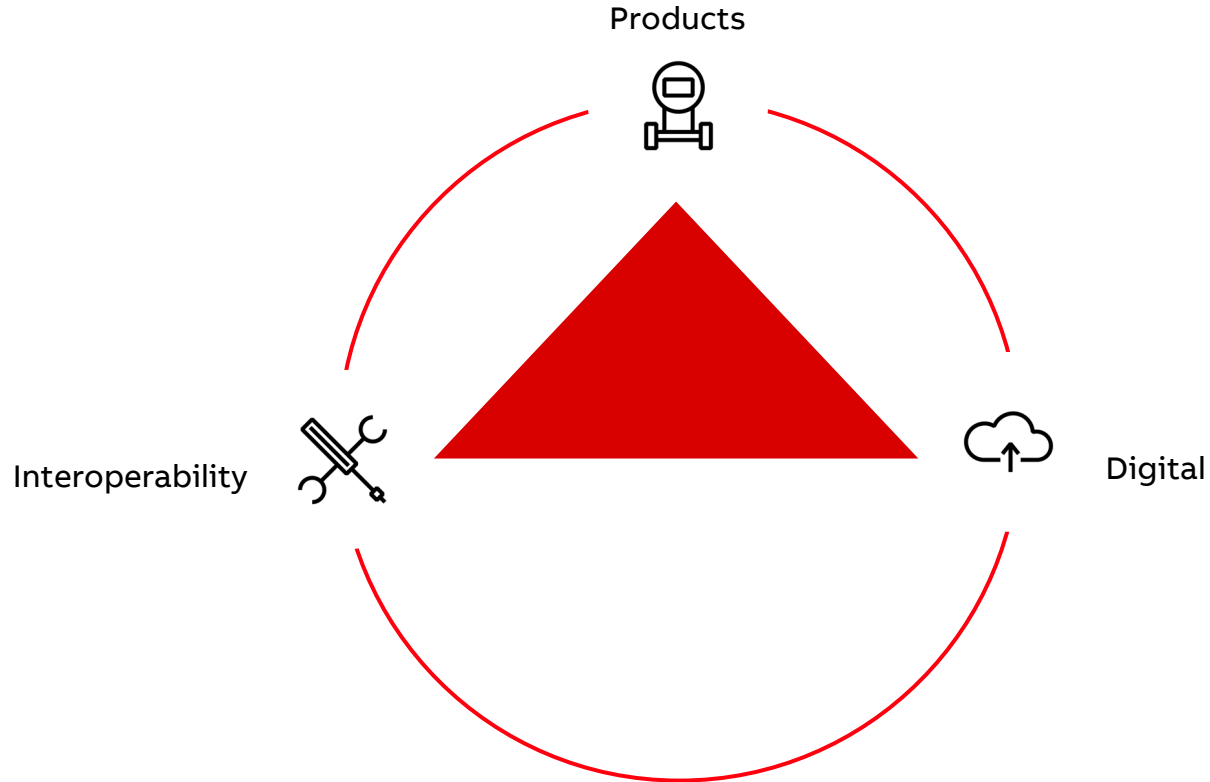
Easy to integrated with other controllers

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

XIO the smart remote expansion

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 TFIO 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 .

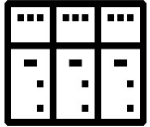
- Multiple XIOs interconnected to an RMC or any other controller via XIO Interface or Modbus TCP/IP, and Fail-Safe option to allow independent operation
- Hot pluggable and swappable IO modules and Auto-Discovery, and data transfer via XIO interface when connected to an RMC or to a Master XIO.
- Multiple 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.



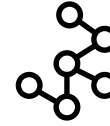
XIO – Expandable IO Versatile modular design

Meeting demands and automation needs of today and tomorrow

Remote I/O and
Serial expansion



Interoperability
with any controller



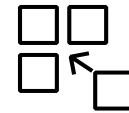
Auto-discovery and
post-based VLAN



WiFi &
Bluetooth



Hot pluggable
IO Modules



XIO – Expandable IO Versatile modular design

Meeting demands and automation needs of today and tomorrow

