

Industrial Automation & Control Systems Ecosystem

Hardware • Software • Networks • Protocols • Devices • Endpoints • All Connected

Connect • Control • Automate • Optimize

From Enterprise to Edge. A Complete Ecosystem.

Enterprise Layer

Business Systems & IT Infrastructure

Plan • Analyze • Manage



Operations Layer

Monitoring & Coordination

Visualize • Coordinate • Optimize



Industrial Ethernet / IP Network (Factory Backbone)

Network Services
• DNS • DHCP • NTP • Firewall
• VLAN • QoS • Remote Access
• Network Monitoring • IDS/IPS

Control Layer

Real-time Control & Motion

Control • Synchronize • Execute



Communication Layer

Fieldbus & Industrial Networks

Transport • Interconnect • Integrate



Field Layer

I/O, Drives, Sensors & Actuators

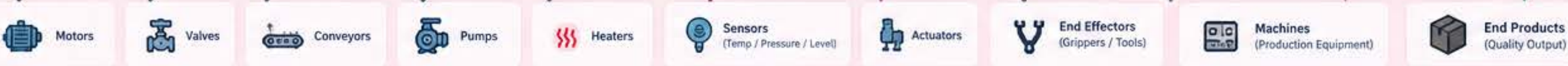
Sense • Actuate • Monitor



Device / Endpoint Layer

Physical Assets & Endpoints

The Real World • Data In/Out



Hardware Systems & Subsystems



Software Systems & Applications



Protocols & Networks



Increased Productivity • Improved Quality • Reduced Downtime • Greater Flexibility • Enhanced Safety • Data-Driven Decisions • Sustainable Operations

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