The Promise of Effective IoT

WHY should you choose an IoT platform?
- Reduce Operating Expenses / Improve Efficiency
- Improve customer service / Shorten response time
- Control over working assets / Know what assets need maintenance

HOW do IoT platforms help you to achieve your goals?
An effective IoT platform:
- Let companies see operation metrics that are not visible today (actual cycle rates, dead time, process throughput)
- Optimize operations by data-driven analytics and decision making
- Allow predictive maintenance to plan service visits and minimize downtimes
- Let companies win new businesses with high confidence in operations and costs

End-to-End IoT Architecture

Ev3ryware IoT

IoT Needs
- Securely connect, authenticate and manage disparate connected edge devices that speak different protocols
- Apply analytics at the edge with machine learning and business rules to enable local, low-latency decision making
- Enable integration with enterprise and business applications to bridge the gap between OT and IT and reduce complexity
- Tools to enable end-to-end data security, compliance, authorization and authentication

IoT Challenges
- Lack of open standards - Diverse set of technologies, features, standards, and point solutions, each of which promises to be the panacea
- Vendor lock-in - Avoid being locked in by a single vendor and seek modular and standard solutions
- Fragmentation - Must integrate operational technology with information technology to be able to derive insights at the edge and in the cloud

Ev3ryware Cloud

End-to-End IoT Security

- Validated platform identity
- Tenant isolation
- Role-based access control
- 2-factor authentication
- Integrated certificate management
- SSL/TLS Encryption with hostname verification
- Mutual authentication
- Digitally signed messages

Ev3ryware Software Framework

- Secure device connectivity and data communication
- Remotely manage large IoT deployments
- Integrate data and applications

WIRER
- Visually wire edge components with drag-and-drop for simple and code-free IoT app development

Multi-service IoT Edge Gateways

- Proven building blocks for IoT applications
- Certified for global deployments
- Rugged design for embedded applications