Aegex and IBM Building The Next Generation of Digital Transformation for the Oil and Gas Industry

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Agenda

Aegex and IBM Driving IoT Use Case to Customer Business Solution

Aegex and IBM Enabling Digital Transformation in the Oil and Gas Industry
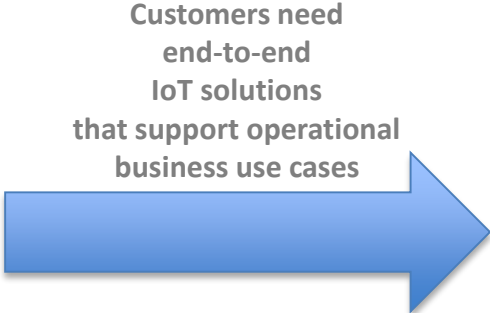
IBM and Aegex Technologies

Reference Use Cases

IBM and Aegex Value Proposition

Aegex and IBM IoT Use Case to Customer Business Solution

**Aegex and IBM delivering Business Case End-to-End IoT Solutions
for Intrinsically Safe Sensing in Oil & Gas and Chemical Operations**

Customers need
end-to-end
IoT solutions
that support operational
business use cases

Device-based use cases
and wider ecosystem
provide the end-to-end
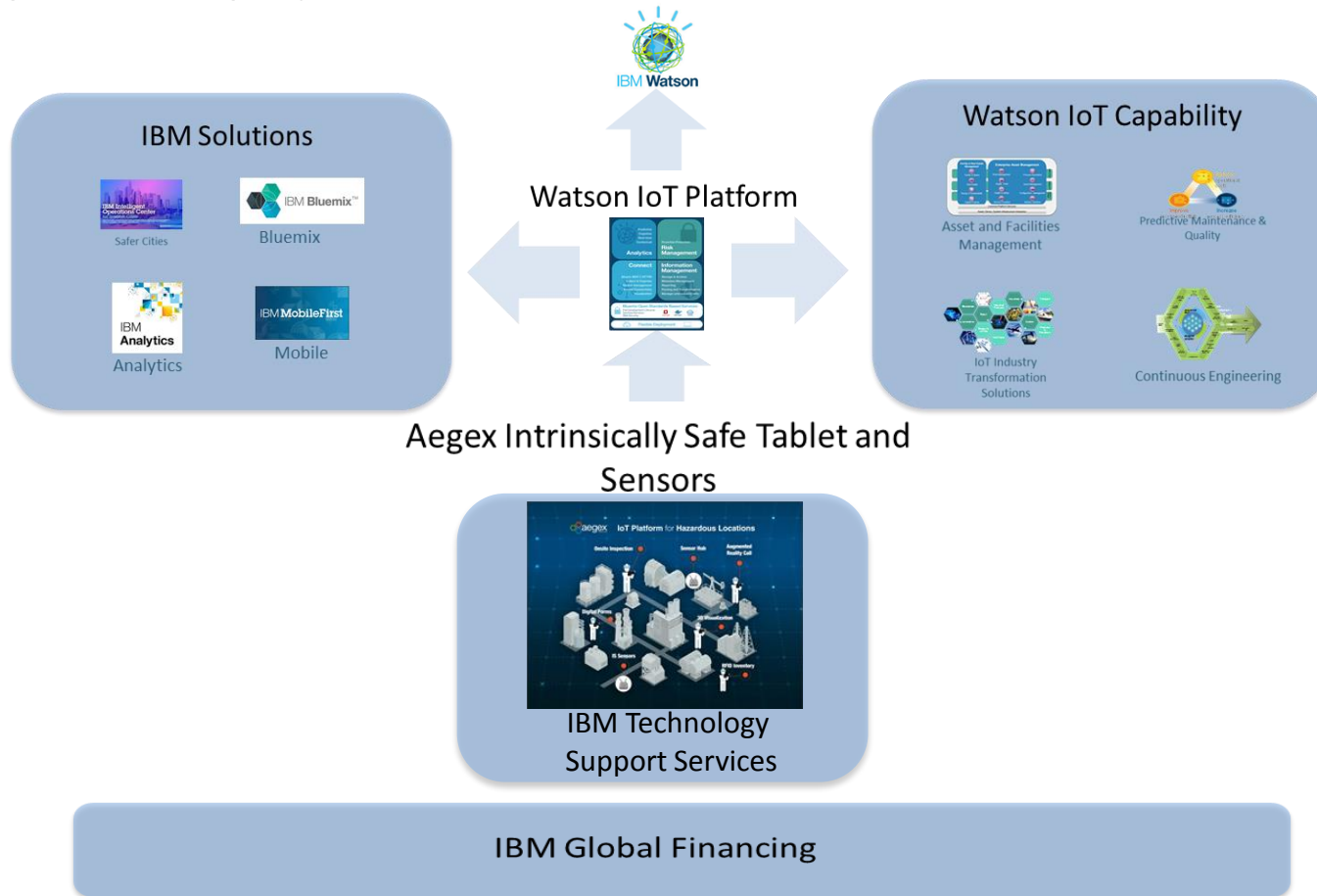solutions required to
deliver business value

**Aegex and IBM Building Scale and Engagement through our Joint Capabilities
and Ecosystems for our Customers**

Delivering Customer Value with Aegex and IBM

IBM and Aegex Delivering Rapid, Cost-Effective, Secure, End-to-End IoT Solutions

Aegex Driving Digital Transformation for PetroChemical Operations

5. The Engineer utilises his Aegex Tablet to close the IBM Maximo Work Order and proceed to his next task
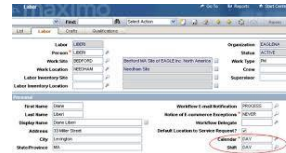
1. Aegex Sensors provide continual operational data on all aspects of site operation

2. IBM Maximo Asset Health Identifies a potential failure

4. The Engineer utilise his IBM Watson Cognitive Assistant through his Aegex Tablet to access both site and component data sheets to ensure the reported issues is fully resolved

3. IBM Maximo issues a proactive Work order to the on duty site Engineer on his Aegex tablet for further investigation and potentially remedial action
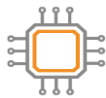
Aegex Site Conditioning Reporting

Provide automated pipeline pressure monitoring, alerting, proactive site performance analytics and automated work order creation, reducing human resource-based reporting errors and improving site service levels
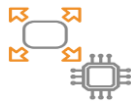

Capability

Sensors IoT Devices Gateways

Networks

Enterprise Connectivity Solutions, Applications Analytics

Delivery

Pipeline Pressure Monitoring

Location and Environment to Determine

Connectivity Utilising Watson IoT Platform

IBM MAXIMO
Asset Management

IBM Bluemix™
Bluemix

IBM Watson

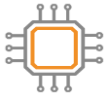IBM GBS / GSI / RSI / VAR / Service Provider to be selected

Aegex Site Environment Reporting

Provide automated environmental site monitoring and reporting to ensure site operation is maintained at optimum levels, ensure compliance with local environment requirements, and demonstrate regulatory compliance
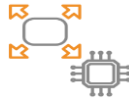

Capability

Sensors   IoT Devices   Gateways   Networks   Enterprise Connectivity   Solutions, Applications Analytics

Delivery

Air, Gas, Wind, Sound, Light Monitoring

Location and Environment to Determine

Connectivity Utilising Watson IoT Platform

Predictive Maintenance & Quality

The Weather Company — An IBM Business

IBM Bluemix™ — Bluemix

IBM Watson

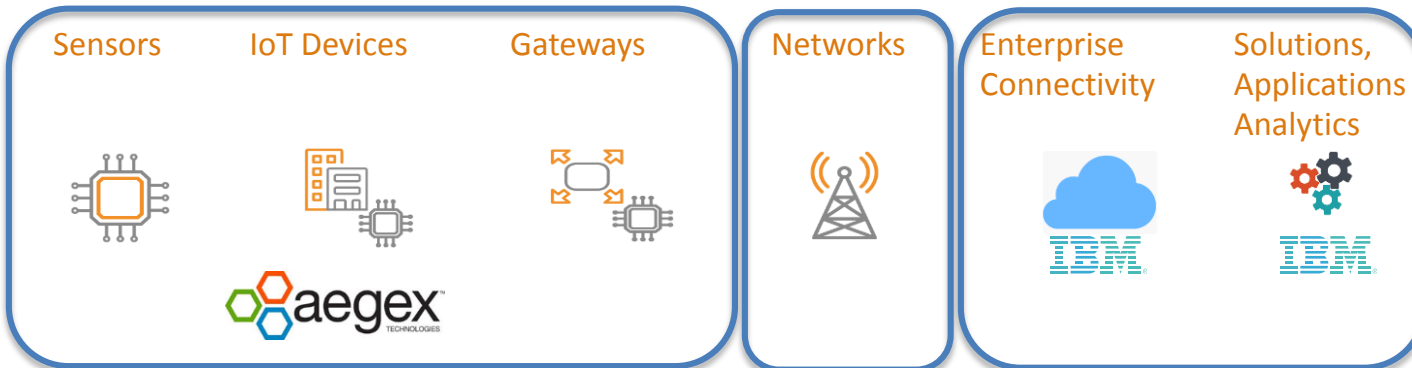IBM GBS / GSI / RSI / VAR / Service Provider to be selected

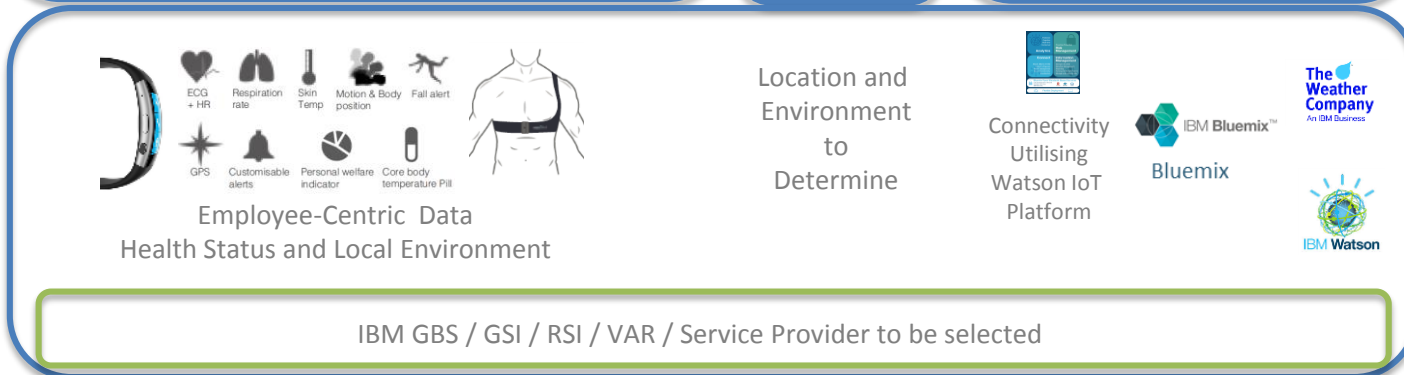# Aegex Employee HazLoc Health & Safety Monitoring

Deliver data of employee health, activity and local environment to ensure any H&S issues can be acted upon immediately and deliver compliance to corporate and regulatory standards for employee well-being

Capability

Sensors   IoT Devices   Gateways

Networks

Enterprise Connectivity   Solutions, Applications Analytics

Delivery

ECG + HR   Respiration rate   Skin Temp   Motion & Body position   Fall alert

GPS   Customisable alerts   Personal welfare indicator   Core body temperature Pill

Employee-Centric Data
Health Status and Local Environment

Location and Environment to Determine

Connectivity Utilising Watson IoT Platform

IBM Bluemix™

Bluemix

The Weather Company
An IBM Business

IBM Watson

IBM GBS / GSI / RSI / VAR / Service Provider to be selected

Aegex and IBM Watson IoT Customer Value

Aegex + IBM Rapid Deployment – PoC to Enterprise Deployment

Customers and their deployment partners can utilise intrinsically safe devices connected to the enterprise cloud within minutes and scale to full deployment rapidly.

Aegex + IBM Cost-Effective Use Case Development and Digital Modernisation

Customers can rapidly evaluate and integrate IoT data from device to cloud to quickly evaluate and exploit new use cases and drive improved service delivery through digital modernisation.

Aegex + IBM End-to-End Solutions

The Aegex and IBM Ecosystems provide the ability to deliver true end-to-end business value with solutions and expertise that can address both new business opportunity and existing business challenges.