



IoT-PREDICT

Condition Monitoring
& Predictive Maintenance

**Start with 1, 10 or 100 machines
and experience a new era in
remote machine monitoring.**

Need smart machine monitoring?

Legacy monitoring solutions have been inflexible, suffer from proprietary lock-in and are daunting to implement. Newer IoT based offerings have promised much, but to date have been incomplete and mostly unsuitable for harsh industrial environments.

Multi sensor, anywhere, any time Smart Monitoring

Now, through a ground-breaking partnership between Dell, Microsoft and Action Point, condition monitoring is undergoing a paradigm shift and moving to the promised land of end-to-end, flexible, accurate, cost effective and secure monitoring.

A revolution in machine monitoring

Inside the IoT-PREDICT box are industrial grade vibration, temperature and current process sensors connected to a Dell Edge Industrial Gateway, conveniently pre-configured to store and forward the sensor data in near real-time to the Microsoft Azure IoT platform where a suite of ready to use tools are available to quickly and easily visualise the data, run advanced queries and build SMS and email based alerting rules.

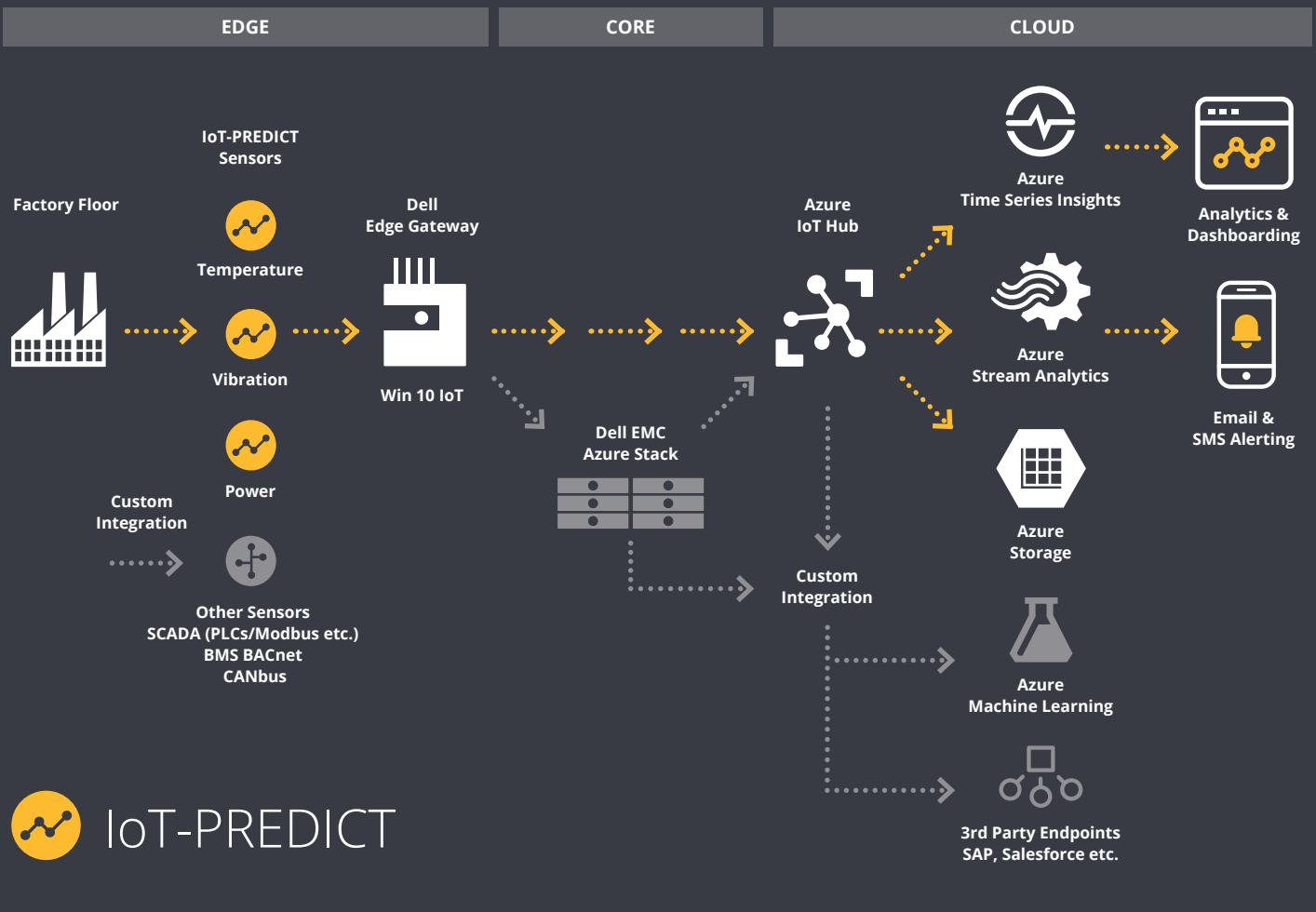


ActionPoint 

 Microsoft

 DELL EMC

 intel



IoT-PREDICT

Dell Edge Gateway 3002

- Intel Atom Processor E3805 1.33GHz (1MB L2 cache)
- 2GB DDR3L 1067MHz Memory
- 32GB eMMC onboard storage
- LAN: 2 x 10/100 Fast Ethernet: RJ-45; PoE on Main Port
- WLAN: 2.4GHz, 802.11b/g/n
- WPAN: Bluetooth Low Energy 4.0; Integrated zigbee/802.15.4 module
- WWAN: Cellular 3G Card
- USB: 1x USB 2.0; 1x USB 3.0
- Antenna ports: Wi-Fi/BLE/GPS/3G/zigbee
- CANbus: CAN2.0 A/B/FD
- Integrated MEMS: Accelerometer, Pressure, Temperature and Humidity
- Integrated GPS module
- Fanless Form Factor; Dimensions 125 mm wide x 125 mm high x 51 mm deep; Weight 1 kg +/- 0.02 kg
- Quick release DIN-rail mount; 75x75mm VESA
- Operational and Non-Operational Shock - all axis up to 160G; Operational and Non Operational Vibration - all axis up to 1.54 Grms, 1 hr/axis; Long Life Vibration - all axis up to 0.79Grms / 5hrs
- Operating Temperature: -30C (-22F) to 70C (158F); No forced air or airflow required
- IP50 rating

Sensor Array

- IO-Link Master: Profinet interface; DIN Rail Mounted
- Vibration Transmitter: IO-Link; 4..20Ma; RMS 0...25 mm/s; M12 connector
- Temperature Sensor: IO-Link; 4..20Ma; Measuring range: -50...300 °C / -58...572 °F; Bolt-on
- Current Transducer: IO-Link; 4..20Ma; Current Measuring Range AC: 0A to 20A; Split Core
- Switched Mode PSU: 24 V DC; DIN Rail Mounted

Microsoft Azure IoT Services

- IOT Hub; Stream Analytics; Time Series Insights; App Services; Azure SQL; Azure Service Bus; Azure Functions; Blob Storage

Packaging

- Dimensions: W465mm x D360mm x H238mm
- Weight: 8.5Kgs

Warranty

- All hardware parts 5Yr RTB Manufacturer Warranty



For more information and to order, visit www.action-point.com/iot-predict



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