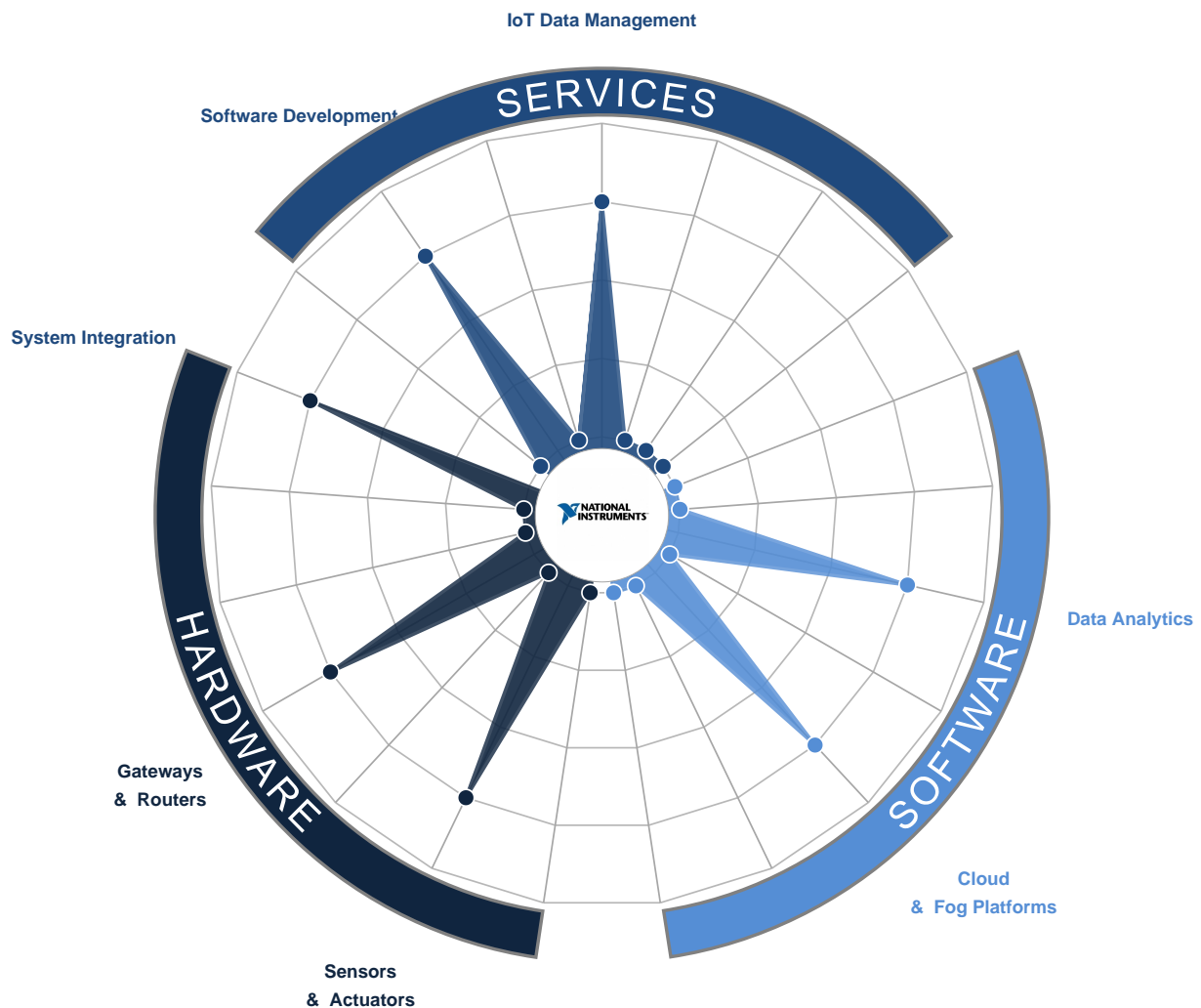




# Improving Asset Health Information



# Overview

## Applicable Industries



Equipment & Machinery



Consumer Goods

## Applicable Functions



Facility Maintenance



Research



Production - Manufacturing

## Challenge

Unexpected downtime costs industries billions of dollars each year, and the challenges of aging assets combined with many experienced professionals at or near retirement age have companies looking at the promises of IoT technology for answers.

## Customer

Customers can be from any industry whose manufacturing processes are highly automated.

## Solution

National Instruments in collaboration with companies like HPE, PTC, Flowserve and OSIsoft are formulating a combined solution that can provide better asset health information.

The solution comprises various aspects such as sensor input and feature extraction with on-asset data acquisition, diagnostics on bearing, seal, and impeller failures and augmented reality for enterprise to assist on-site troubleshooting and repair amongst others.

## Data Collected

The Flowserve sensors can monitor a range of variables such as Temperature, pressure, flow rate, vibration and power.

## Solution Type

IOT

Solution Maturity

Emerging (technology has been on the market for > 2 years)

## Technology

## Hardware



### Xeon Processor

#### **Intel Inside (Intel)**

The Intel Xeon processor E5-2600 v2 product families is the next generation of 64-bit, multi-core enterprise processors built on 22-nanometer process technology.



### CompactRIO controller

#### **National Instruments**

The NI cRIO-9068 combines a dual-core processor, a reconfigurable FPGA, and eight slots for C Series I/O modules within one chassis. Featuring a 667 MHz dual-core ARM Cortex-A9 processor running the N ...

## Partner



### PTC

PTC is a global provider of technology platforms and solutions that transform how companies create, operate, and service the "things" in the Internet of Things (IoT). The company's next-generation Thi ...



### Hewlett Packard Enterprise (HPE)

Hewlett Packard Enterprise or HPE (formerly HP) makes IT environments more efficient, productive and secure, enabling fast, flexible responses to a rapidly changing competitive landscape. They enable ...



# IoT ONE Featured Case Study



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