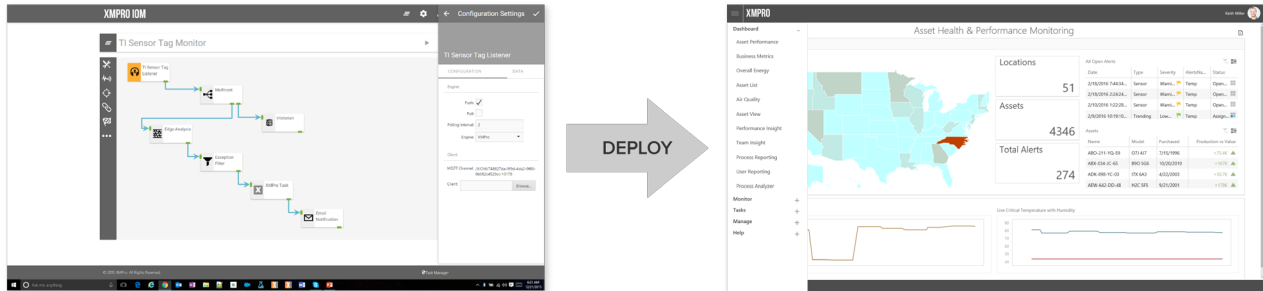


# The Agile IoT Application Suite

That Helps You Improve  
Operational Performance in Weeks

# Overview



The XMPro Agile Application Suite includes both a comprehensive development and deployment environment optimized for industrial IoT applications.

It provides everything you need to develop, integrate and deploy applications that help you improve the operational efficiency of your asset-intensive business.

It includes:

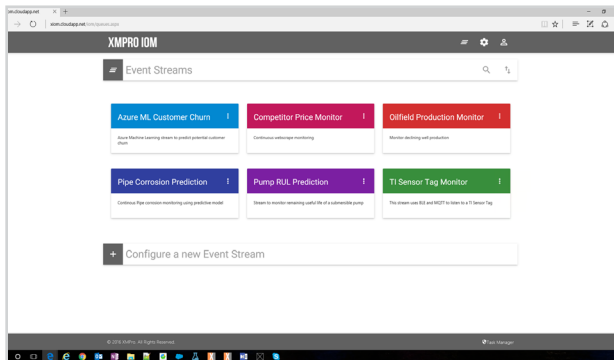
- A model-driven development environment, the XMPro Agile Design Studio
- A run-time environment for operations managers, the XMPro Action Console
- Built-in drivers for thousands of sensors and equipment
- Interfaces with dozens of popular enterprise applications
- Integration with Microsoft .NET and Azure stacks

# XMPro Agile Design Studio™

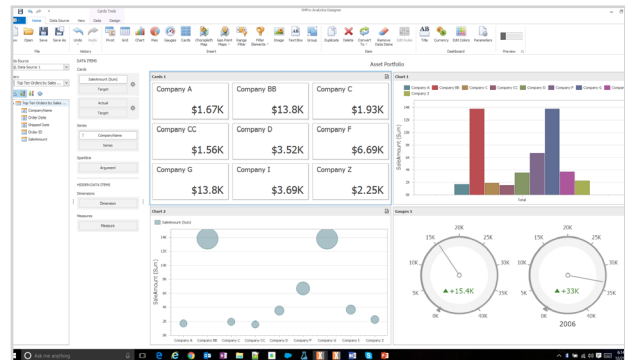
The XMPro Agile Design Studio enables rapid development of real-time asset performance monitoring with a model-driven, drag & drop approach, requiring minimal programming.

Below is a sample of some of the tools that help you define your business problem, connect to sensors and other data sources, visualize your operational performance and define automated workflows to respond quickly to events and/or predict when action is required.

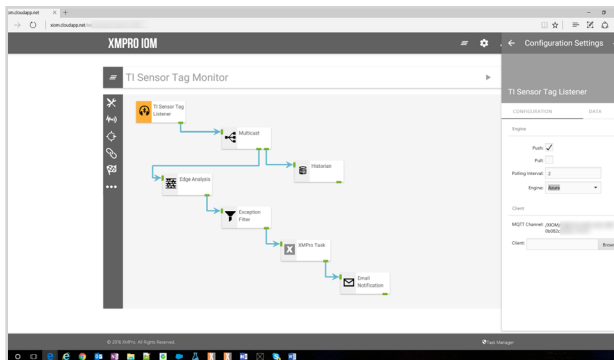
## Use Case Manager



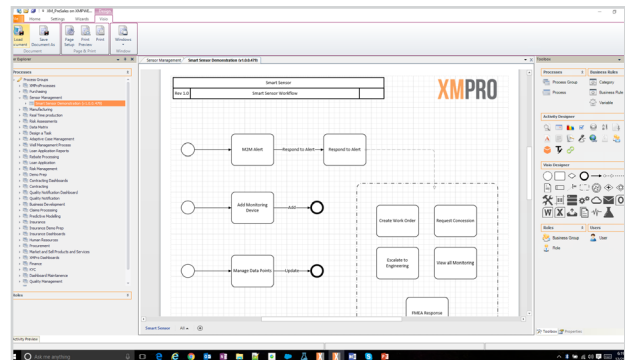
## Dashboard Designer



## Stream Designer

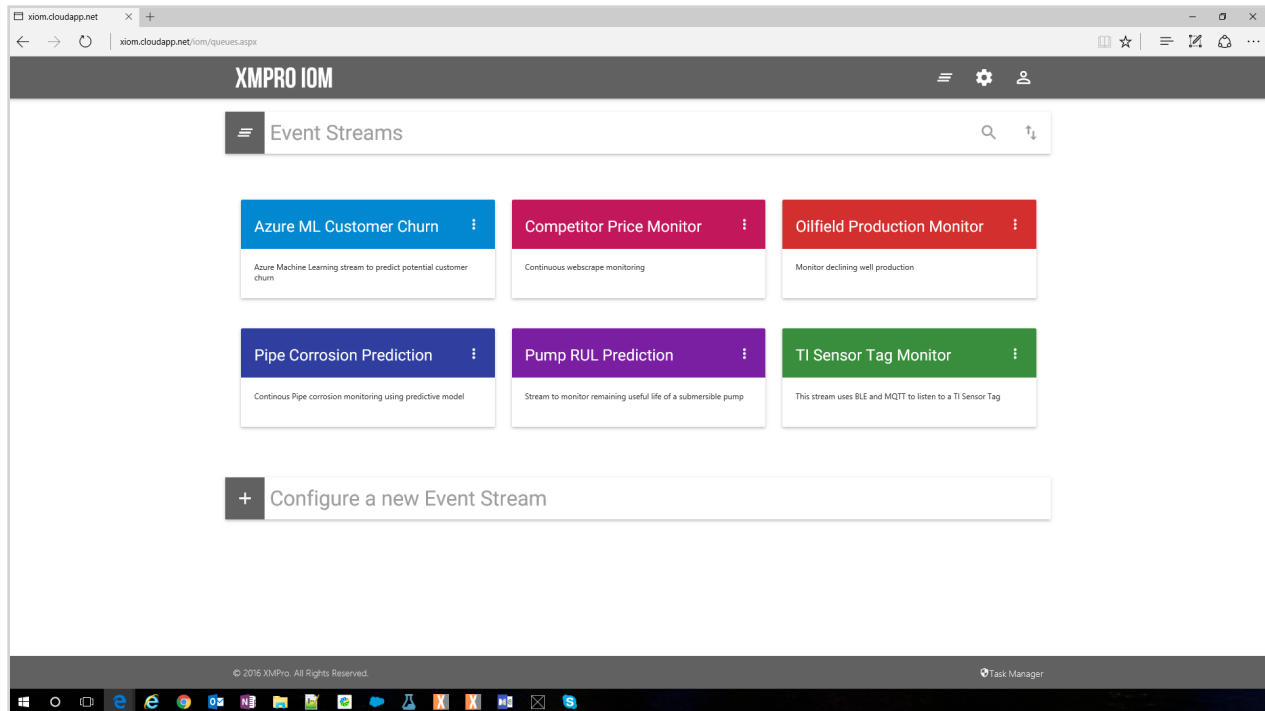


## Workflow Designer



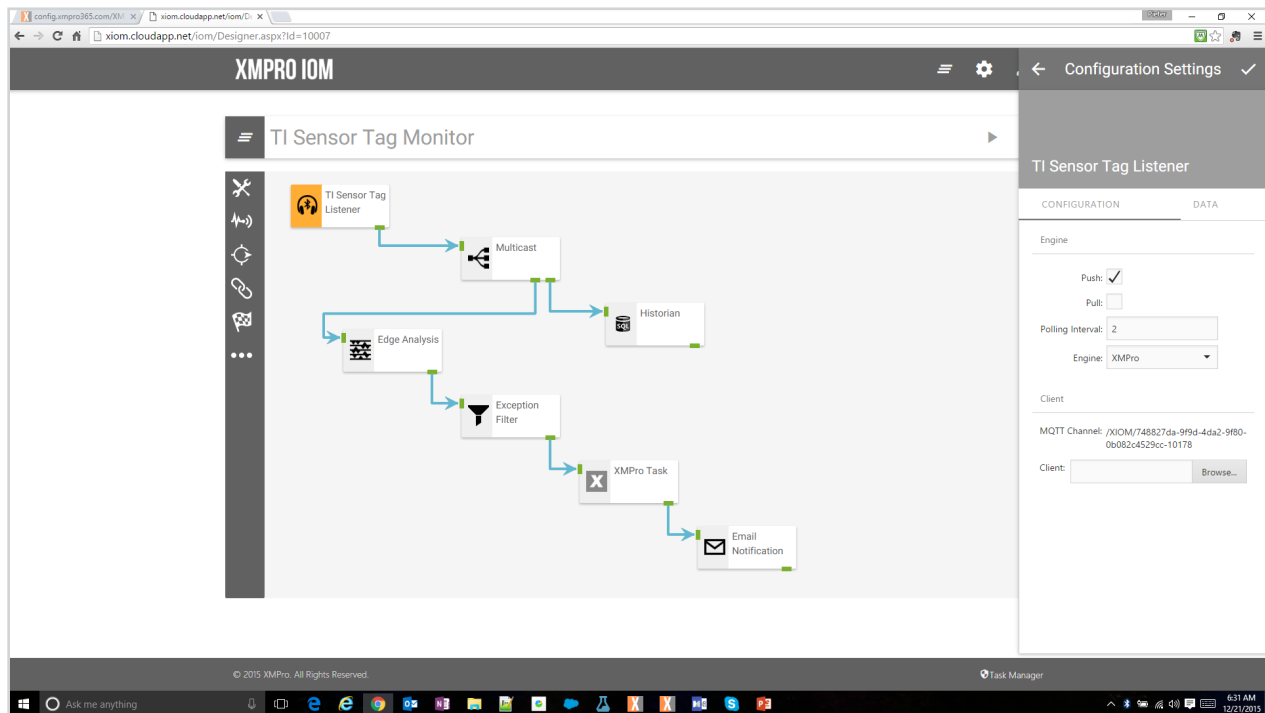
## Use Case Manager

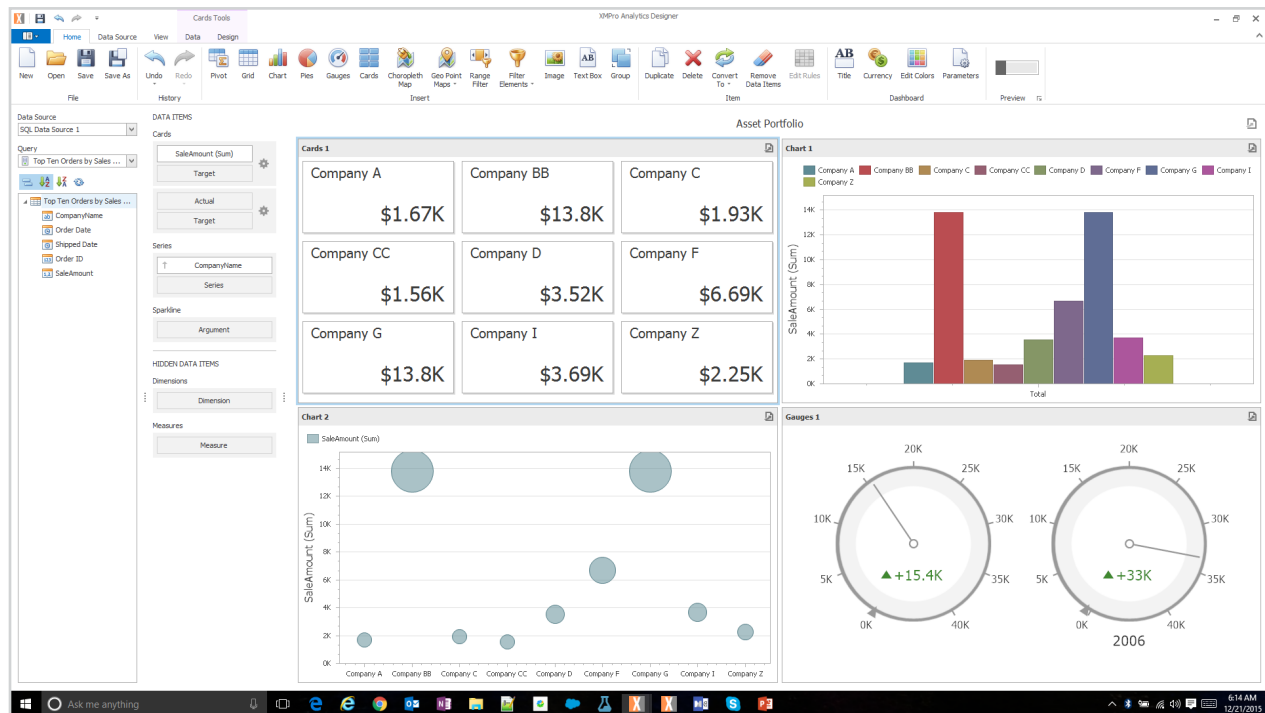
Begin with the business problem in mind



## Stream Designer

For fast, visual orchestration of event flow from diverse sensors & data sources to actions





## Integrate XMPro with your existing sensors and business systems

XMPro's Agile Application Suite has **built-in drivers for 1000's of sensors and equipment.** Below is a sample of the built-tin drivers and interfaces we support out of the box to help you get your application going quickly and cost-effectively:

### OT

- ABB Totalflow
- Allen-Bradley
- AutomationDirect
- Cutler-Hammer
- Enron Modbus
- Fisher ROC
- Fuji Flex
- GE
- Honeywell
- Mitsubishi
- Modbus
- OPC UA
- Siemens
- Telemecanique
- Toshiba
- Yokogawa







### IoT

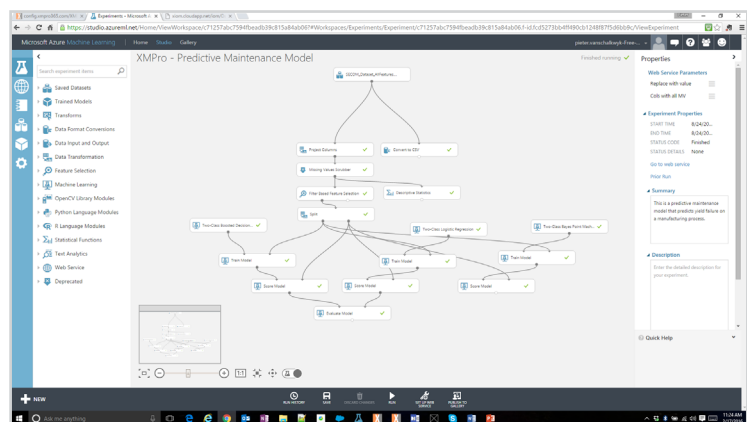
- MQTT
- Azure IoT Suite
- GE Predix
- Xively
- OSIsoft Qi

# Interfaces for dozens of popular enterprise applications



## Seamless integration with .NET and Azure

-  Azure Web Apps
-  Azure Databases
-  Event Hubs
-  IoT Hub
-  Stream Analytics
-  Cortana Analytics & Azure Machine Learning

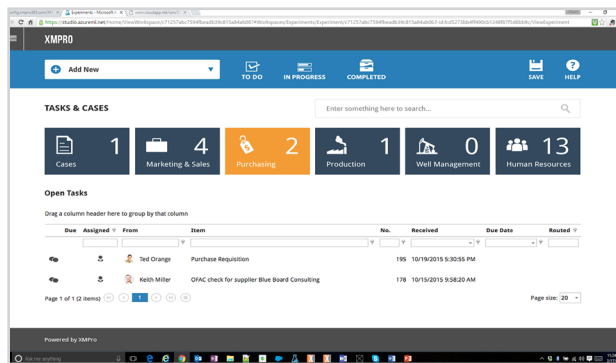


Azure Machine Learning Designer

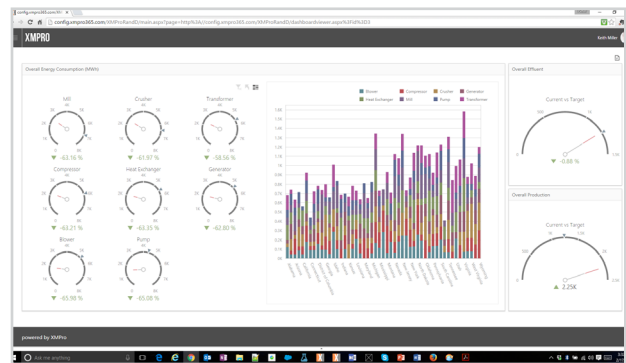
The XMPro Action Console combines performance monitoring, KPI dashboards and business process management integration to enable rapid response to equipment issues while facilitating predictive maintenance.

Below is a sample of the standard displays that help operations managers monitor their asset performance, identify exceptions, visualize the decision trail and drill down into the data for root cause analysis.

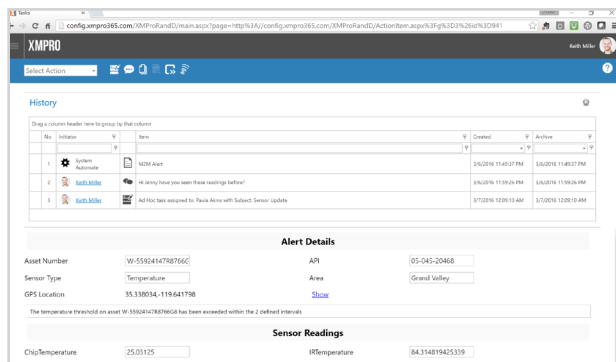
## Performance Monitoring



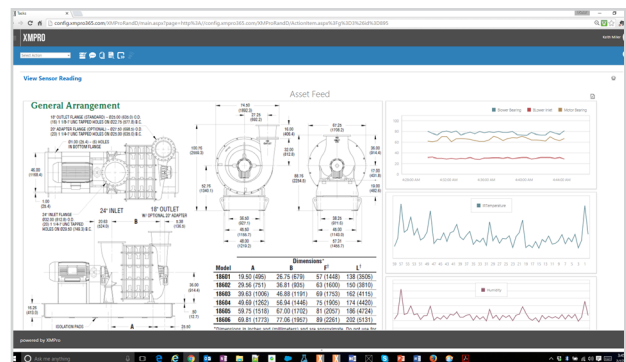
## KPI Dashboards



## Visible Decision Trail

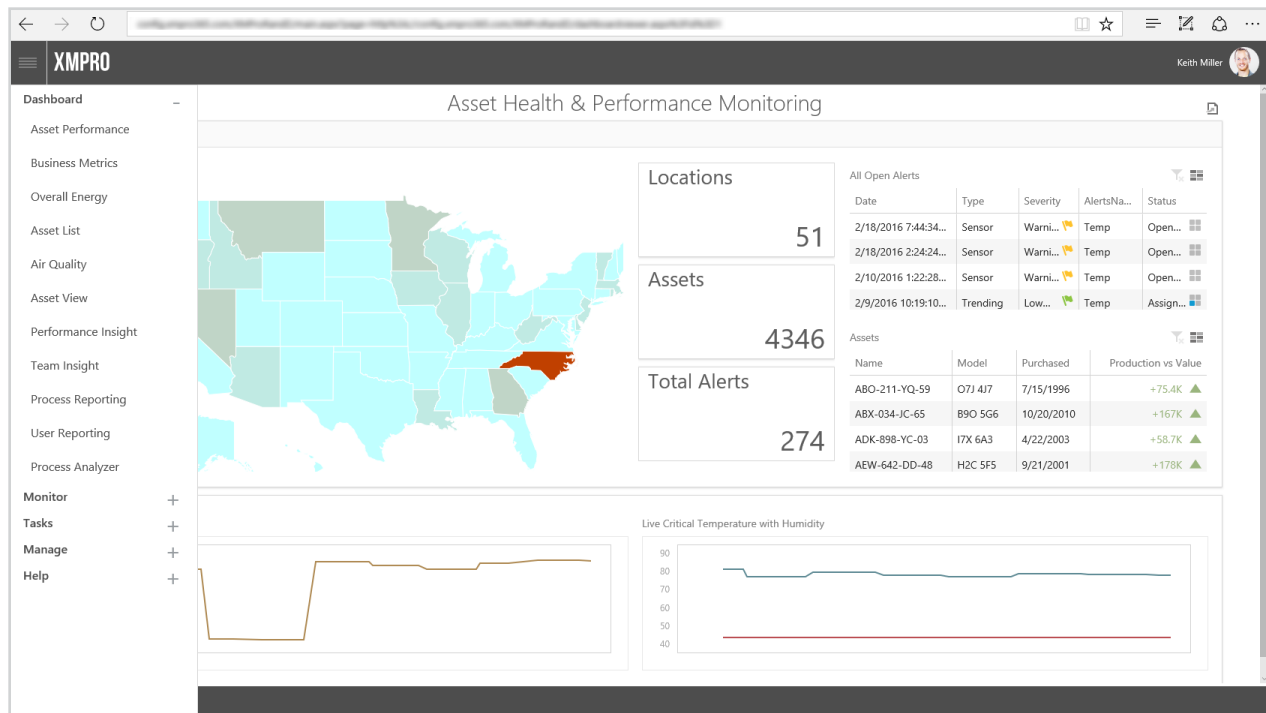


## Drill-down Analysis

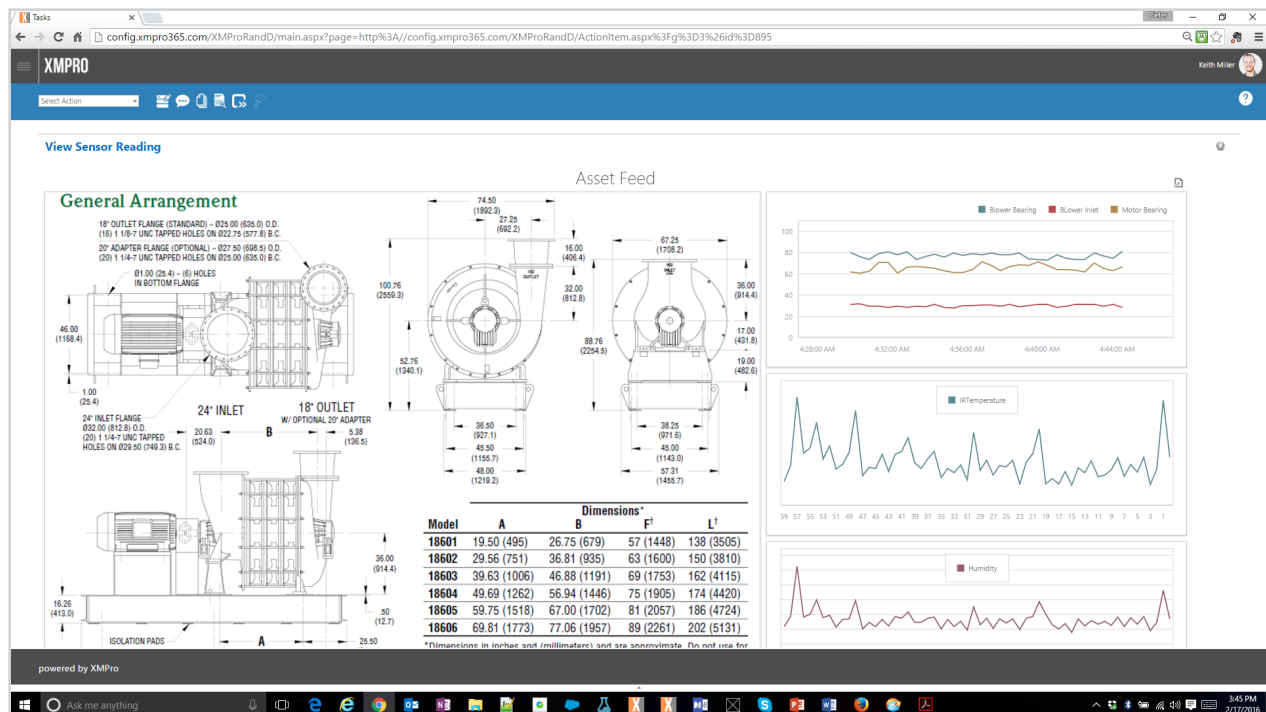


# Big Picture Performance Monitoring

View real-time data with contextual information for better, faster decisions



# Rapid Drill-down For Root Cause Analysis





**Visible Decision Trail & Built-in Social Collaboration**  
 Leverage collective wisdom to resolve problems fast

**History**

No	Initiator	Item	Created	Archive
1	System Automate	M2M Alert	3/6/2016 11:49:37 PM	3/6/2016 11:49:37 PM
2	Keith Miller	Hi Jenny have you seen these readings before?	3/6/2016 11:59:26 PM	3/6/2016 11:59:26 PM
3	Keith Miller	Ad Hoc task assigned to: Paula Akins with Subject: Sensor Update	3/7/2016 12:09:10 AM	3/7/2016 12:09:10 AM

**Alert Details**

Asset Number: W-55924147R8766G8  
 API: 05-045-20468  
 Sensor Type: Temperature  
 Area: Grand Valley  
 GPS Location: 35.338034, -119.641798

The temperature threshold on asset W-55924147R8766G8 has been exceeded within the 2 defined intervals

**Sensor Readings**

ChipTemperature: 25.03125  
 IRTemperature: 84.314819425339

**Integrated Predictive Analytics**

Go from fire fighting to predicting failure before it happens

**Alert Details**

Asset Number: W-55924147R8766G8  
 Well API: 05-045-20468  
 Sensor Type: Temperature  
 Field: Grand Valley  
 GPS Location: 35.338034, -119.641798

The temperature threshold on Well W-55924147R8766G8 has been exceeded within the 2 defined intervals

**Sensor Readings**

ChipTemperature: 0  
 IRTemperature: 0  
 Humidity: 44.3158569335938  
 Pressure: 1014.92999267578  
 Luminosity: 7.23  
 TimeStamp: 2/10/2016 1:22:29 AM

**Predictive Analytics Information**

Maintenance Cycle:

Remaining Useful Life (RUL): 261.1955861816406  
 Remaining Useful Life (RUL) Per Cycle: Specify a Cycle

Comments

powered by XMPro

## About XMPRO

XMPRO is a global provider of software and services for industrial IoT applications.

Founded in 2009, XMPRO has a proven track record of helping organizations improve operational excellence, reduce risk and increase asset utilization through its Agile IoT Application Suite and Business Process Management products. Closely integrated with the .NET and Azure™ software stacks, XMPRO enhances the productivity of the Microsoft environment with a visual, model-based approach that enables deployment of IoT applications in weeks.

## History

XMPRO founder, Pieter van Schalkwyk, identified a need for an intelligent business process management solution in 2009. XMPRO released its first BPM solution in 2010 and received the Gartner BPM Cool Vendor award in 2012.

Building on its BPM roots, XMPRO evolved into an IoT company in 2015. It released the Agile IoT Application Suite to help industrial organizations improve operational performance through the Internet of Things. XMPRO also joined the most progressive and innovative companies from around the world as a member of the Industrial Internet Consortium.

## Recognition



## Contact

For more information visit [xmpro.com](http://xmpro.com) or send an email to [info@xmpro.com](mailto:info@xmpro.com)