



Using **PI System** to Enable Working From Home

OSIsoft Virtual Industry Summits

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**The year 2020 has forced new changes on
how you run your businesses**



“

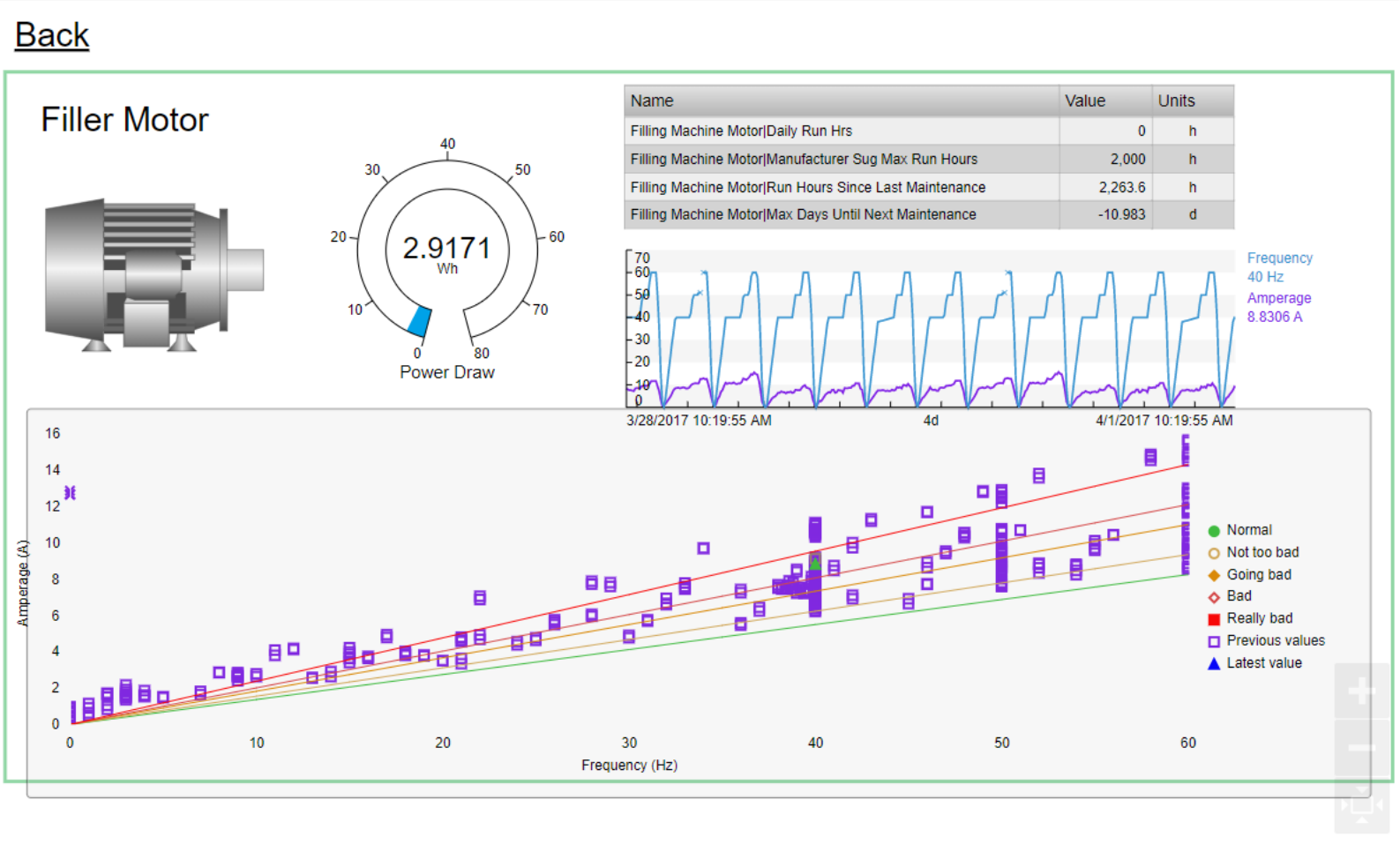
Simply put, the pandemic forced people home—and now we find that working from home is here to *stay*.



Users of PI System are uniquely **empowered** for **successfully** working from **home**

Double Hop Brewery Montreal Brewery

- Home
- Production Report
- OEE
- Brewhouse
- Fermentation
- Clean In Place
- Packaging



Configure XY Plot

X Data Options

Attribute: **Frequency|Normal**

Data Retrieval
Compressed

☒ Use Custom Time Range

Start ☐ Offset ☒ Time
12/1/2015 12:00:00...

End ☐ Offset ☒ Time
12/1/2016 12:00:00...

Y Data Options

Attribute: **Amperage|Normal**

Data Pairing to X
☒ Paired by timestamp
☐ Paired by position in the list

Data Retrieval
Interpolated



Secure remote operations

Safely and **reliably** work with high-fidelity data using **cross-platform** tools

Customize the **capabilities** and **constraints** on each user's account

Empower users with **self-service** data analysis tools



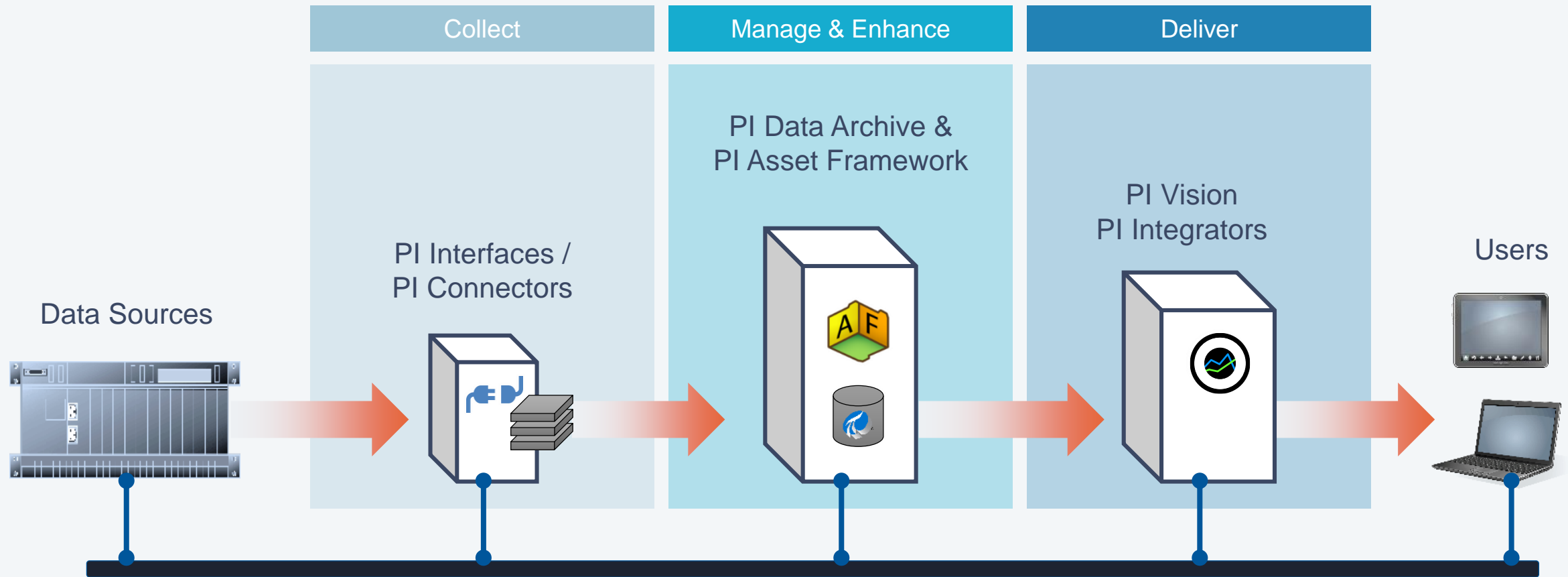


Trust in an
infrastructure that is
inherently designed
for **read-only** access

What **tools** does PI
System provide to
aid in working
from **home**?



First, let's remind ourselves where these tools reside



PI Vision

A unified visualization infrastructure to support your diverse needs across the enterprise in a seamless, powerful, extensible environment





Double Hop Brewery

Fermentor 09

Montreal Brewery

- Home >
- Production Report >
- OEE >
- Brewhouse >
- Fermentation >
- Clean In Place >
- Packaging >

= Down/Available

= Production

[Back](#)

Cooling
11/18/2020 7:48:39 AM
Status

Big Geek
Brand

Availability: 100.00 %
Performance: 100.00 %
Quality: 90.23 %
OEE (last 24h) 90.227 %

0 °F

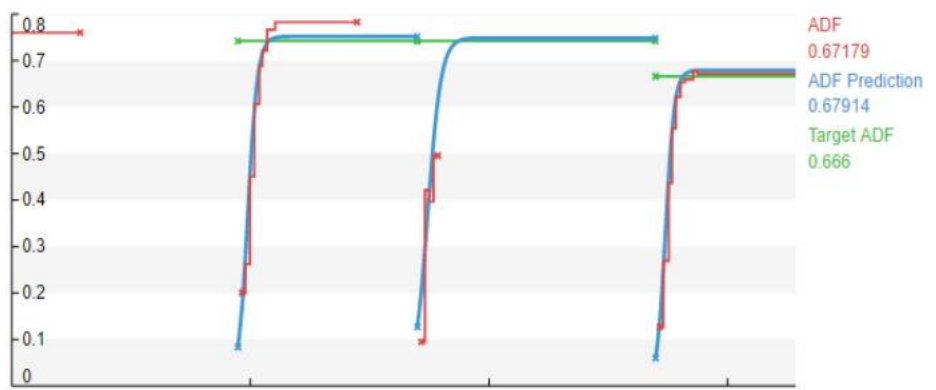
0 °F

51.855 °F



Description	Value	Units
Vessel Volume	43.16	bbbl
Vessel Pressure Process Value	0	psi
The specific gravity of the vessel in plato	2.8	°P
The specific gravity of the vessel in plato at the end of filling	24.7	°P

Apparent Degree of Fermentation (ADF)


[Launch Batch Comparison Window](#)
[Check Downtime Events](#)



RC_Home1 (read-only) (explorer-mode) Asset: Windsor Site+ ▼

Export

Royal Cereals

Home

CCP CCP Data

Overview

OEE

Weekday 5
Current Shift 1

Production Packaging

Shift Performance 34.314 % 55.363 %

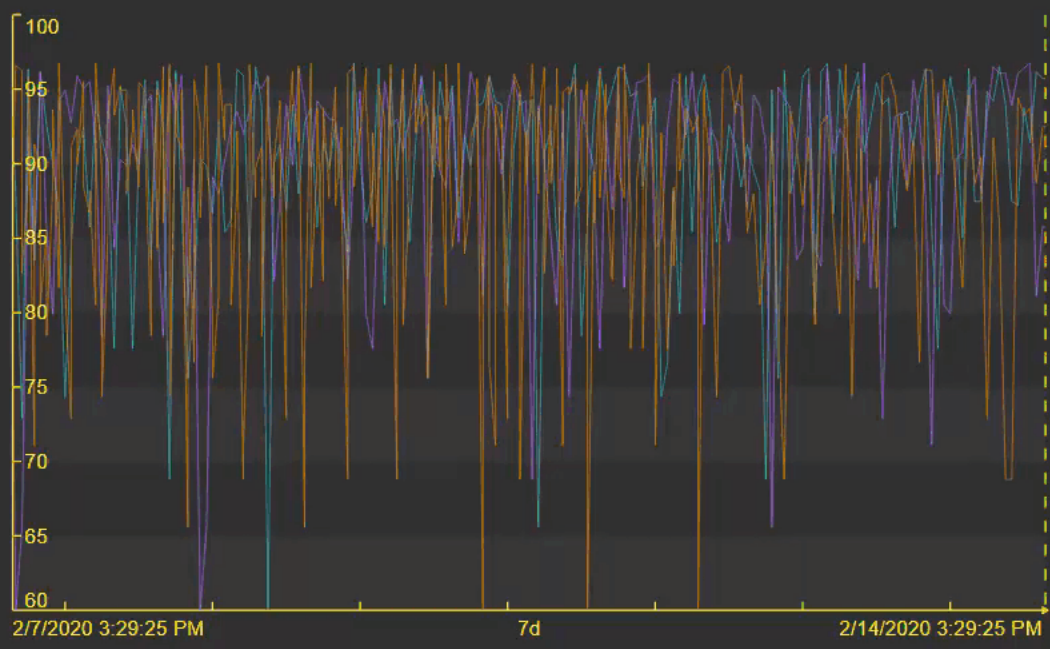
Shift Quality 37.787 % 87.05 %

Shift Production 8.3497 t 6,936 Cases

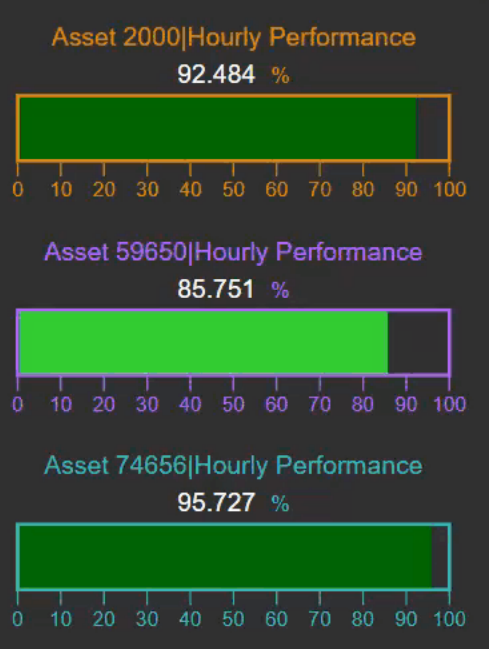
Shift Production Target 24.333 t 17,400 Cases

Shift Electricity Consumed 59,360 kWh 21,645 kWh

PI Vision Home Hourly Performance Monitoring

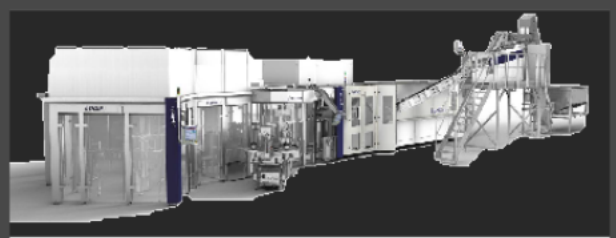
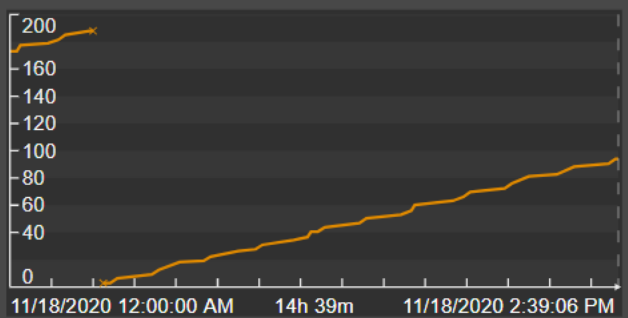


Asset 2000|Performance Calculation (Hourly)
92.484 %
Asset 59650|Performance Calculation (Hourly)
85.751 %
Asset 74656|Performance Calculation (Hourly)
95.727 %



Path	Value	Units	Time	Trend	Average	Minimum	Maximum
\\DLOSERVER2016R2\DB1\Performance Monitoring\Asset 2000 Performance Calculation (Hourly)	92.484	%	2/14/2020 3:00:00 PM		88.361	60	96.761
\\DLOSERVER2016R2\DB1\Performance Monitoring\Asset 59650 Performance Calculation (Hourly)	85.751	%	2/14/2020 3:00:00 PM		89.428	60	96.761
\\DLOSERVER2016R2\DB1\Performance Monitoring\Asset 74656 Performance Calculation (Hourly)	95.727	%	2/14/2020 3:00:00 PM		89.891	60	96.761

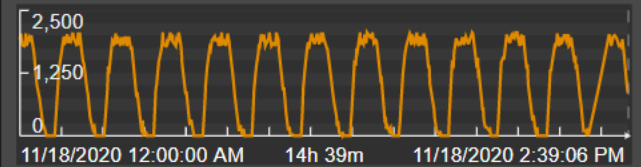
FoodCo RX


24 Hour Plant Production

● Today's Production

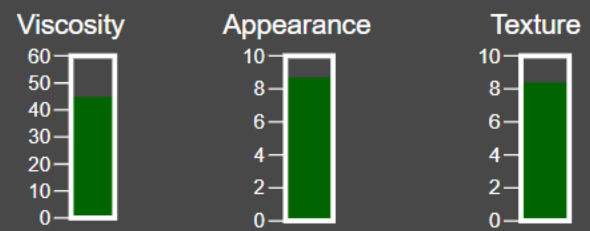
Plant Summary

Status: ●
OEE: 82.27%
Quality: 92.48 %
Availability: 82.27%

Line 1

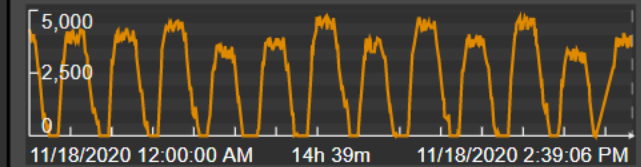
Production Rate

Batch Information

Name	Value ▼
RX100 Phase	XFER_OUT
RX100 Batch ID	WN:CHEM:RX100:20201118 12:39
RX100 Recipe	Recipe 456
RX100 Product	Prod B
RX100 Procedure	LONG

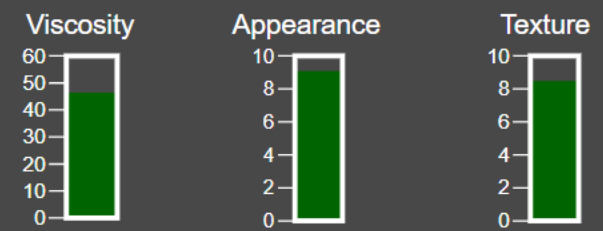
Last Batch Quality

Equipment Status

Dispersion Tank 1: ● **Heat Ex:** ●
Dispersion Tank 2: ● **Pumps:** ●

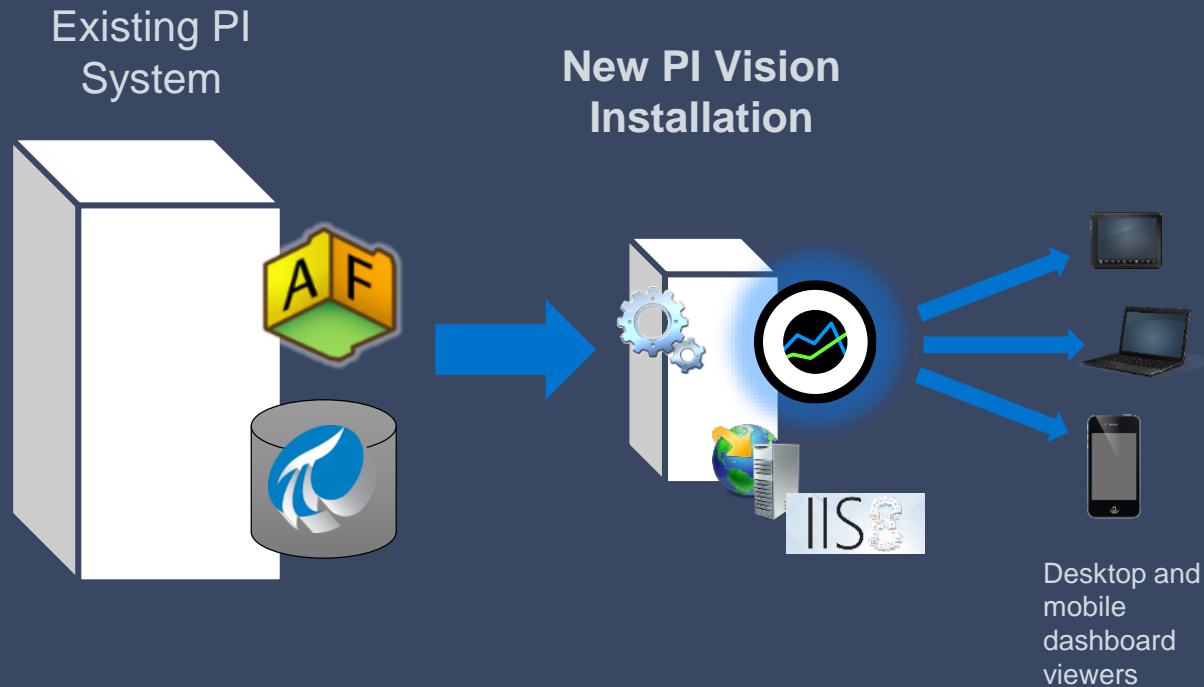
Line 2

Production Rate

Batch Information

Name ▲	Value
RX200 Batch ID	WN:CHEM:RX200:20201118 12:39
RX200 Phase	XFER_OUT
RX200 Procedure	SHORT
RX200 Product	Prod A
RX200 Recipe	Recipe 456

Last Batch Quality

Equipment Status

Dispersion Tank 3: ● **Heat Ex:** ●
Dispersion Tank 4: ● **Pumps:** ●



A single installation of PI Vision supports multiple concurrent mobile and desktop users

Install and maintain only the single PI Vision software installation, instead of managing software on each user's device

PI Vision can be exposed across the internet or via VPN to allow viewing data from anywhere in the world!

PI Integrators

Publish large-scale real-time exports and streams of PI System data and metadata to third-party geospatial, big data, or business analysis platforms



FileHomeViewModeling

CutCopyPasteFormat Painter

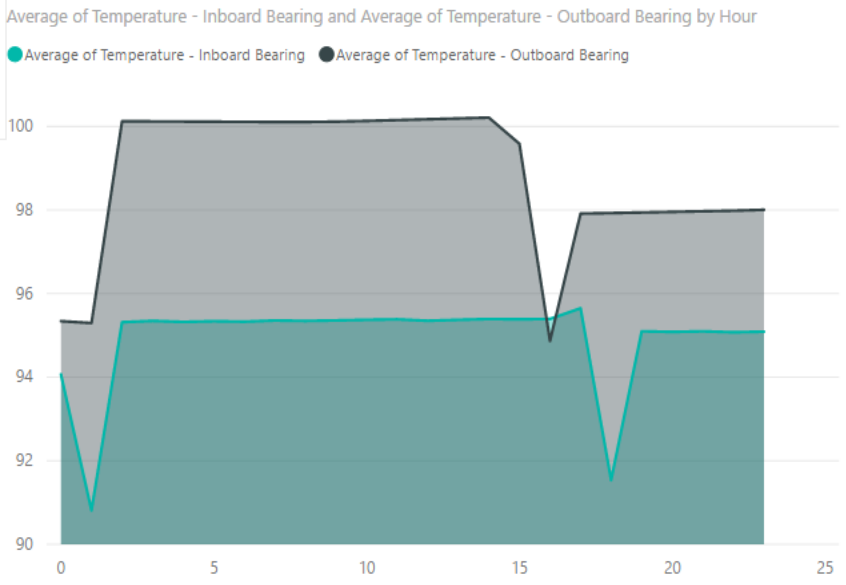
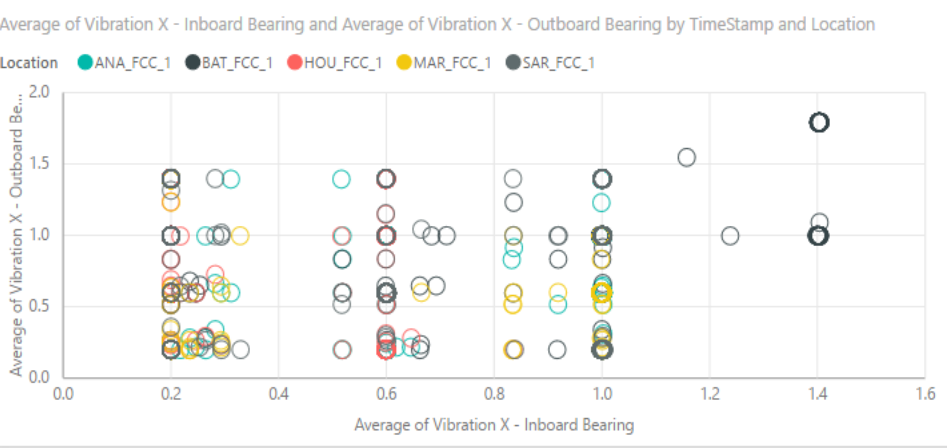
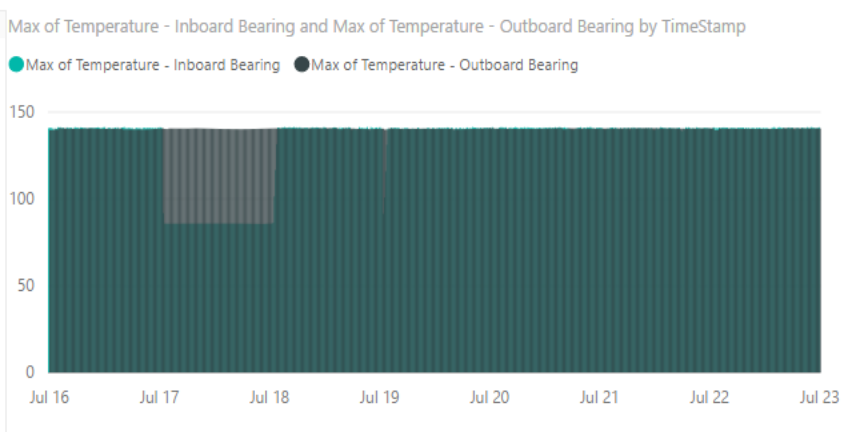
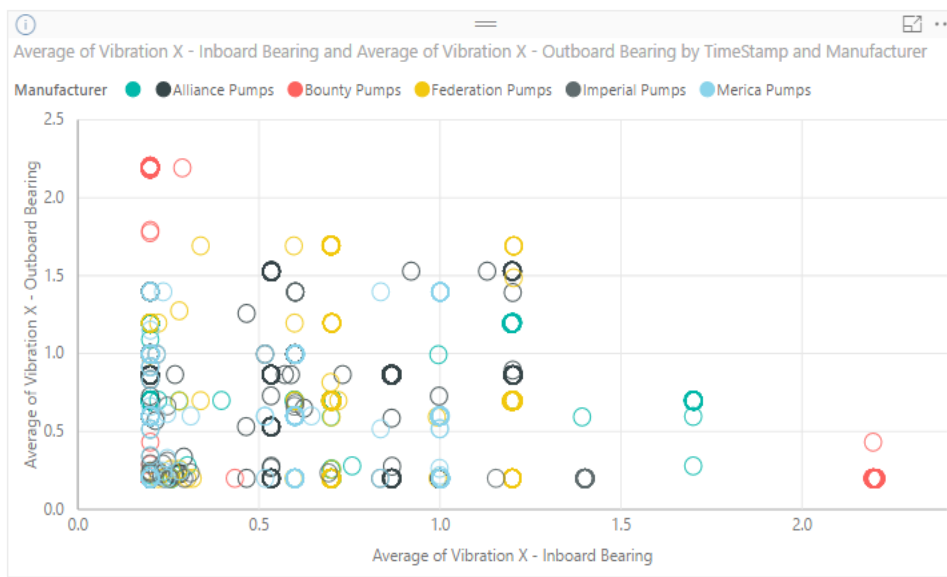
Get DataRecent SourcesEnter DataEdit QueriesRefresh

Solution TemplatesPartner Showcase

New PageNew VisualText boxImageShapes

From StoreFrom FileManage RelationshipsNew MeasurePublish

ClipboardExternal dataResourcesInsertCustom visualsRelationshipsCalculationsShare



VisualizationsFields

Visualizations

Fields

Equipment Health Investigation

Date - Installed

Date - Last Service

Day of the Week

FCC Pump Process

Hour

Id

Location

Manufacturer

PIIntShapelD

PIIntSTicks

Serial Number

Temperature - Inboard Bearing

Temperature - Outboard Bearing

TimeStamp

Vibration X - Inboard Bearing

Vibration X - Outboard Bearing

Vibration Y - Inboard Bearing

Vibration Y - Outboard Bearing

What can success look like for you?

DEMONSTRATION

**We invite you to listen
to success stories from
your peers**

3,265

customer presentations, and counting

[watch them](#)

Thank you.