Upgrade Kits

John Bean Technologies Corporation is a leading supplier of integrated food processing solutions. From single machines to complete processing lines, we enhance value and capture quality, nutrition, and taste in food products.

The equipment's we produce are intelligent mechatronic systems capable of generating lots of data. With the years of industry knowledge and know-how, data that once was lost can now be converted to information to increase yield and throughput.

By adding iOPS® to any of the machines in your factory, data can continuously be collected and securely uploaded to the iOPS® cloud service for analysis.

This Cloud solution will help expose insights from disparate factory environment easily and efficiently to key stakeholders. Standardized OEE, shift analysis, GEO fencing, Camera analysis based on alarms, and predictive maintenance reports will help drive business success. The possibilities are truly endless with new analysis added and discovered weekly for continuous improvements

If the iOPS® logics detect failures or abnormalities in the system, a voice call will be sent via text, email, voice or custom reports. Such critical insights help the maintenance team resolve issues more efficiently with pinpoint diagnostics and ordering the right parts to execute repairs on time.

iOPS® is designed with the highest security standards and following the best industry practice. Therefore you can be confident that your data is secure from unauthorized access.

From connection to transmission and storage, all data is fully encrypted with two-factor authentication for data access. The iOPS® system is designed from ground up with security in mind.

By adding an iOPS® gateway you will

- Have access to up-to-date status/performance reports
- Can request for customized reports
- Can detect wear in parts like filters, valves, motors, etcetera
- Can have alarms configured
- Triggers for OEE lowering wear

Eventually, this will result in

- Reduce unexpected downtime
- Visible efficiency over time (day, week, month, year)
- Improved efficiency.

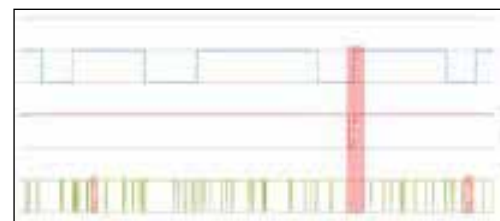*Please contact your JBT customer care manager for more information.*

Overall current OEE values

Failure rates in sections of the machine

Production status over multiple lines

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SF&DS
Food & Dairy Systems

Ordering Information

As part of JBT's commitment to your success, our wide range of upgrade kits are designed to give you maximum return on your original investment through increased performance and service life.

Please contact *info.ams@jbtc.com* for more information or to request a quote.

All JBT kits are subject to software/system compatibility and may change without previous notice.
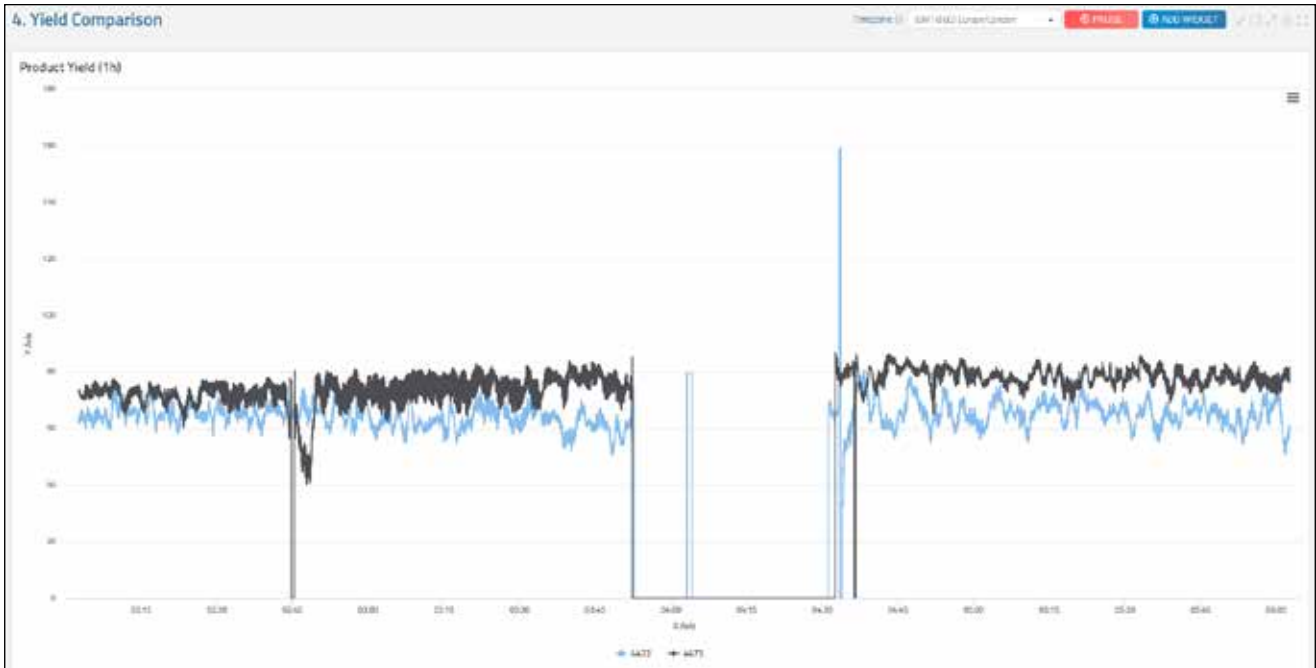
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Dashboard overview multiple running machines
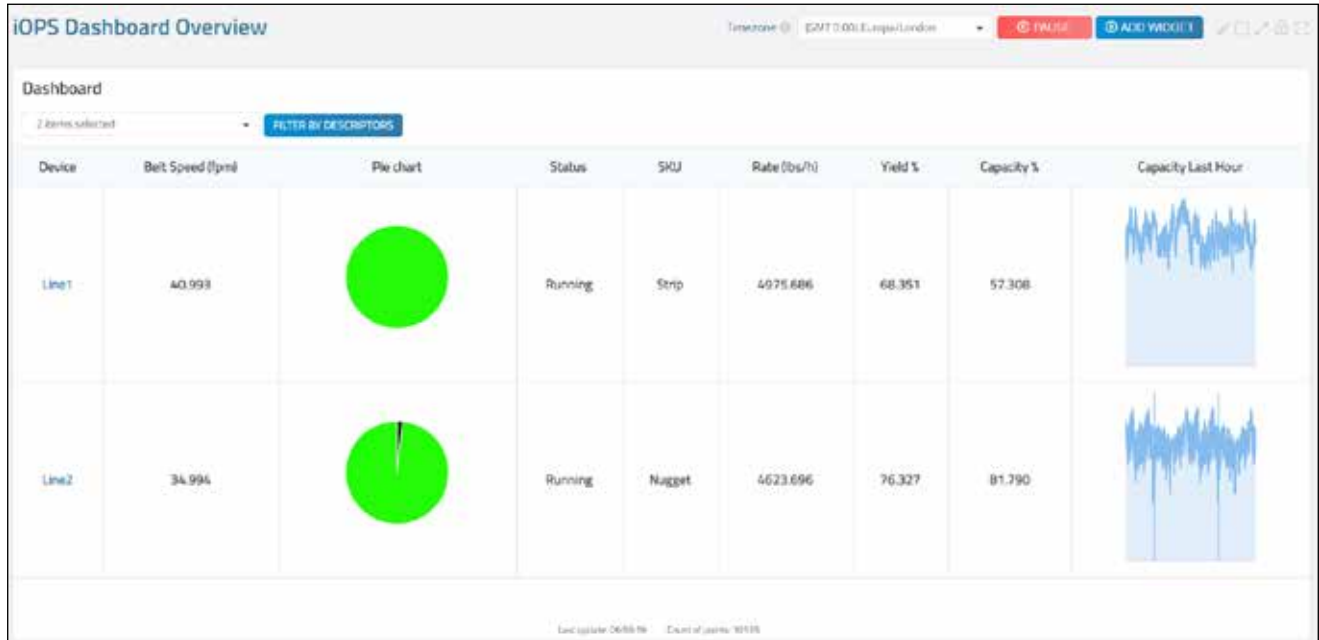
Detailed production summary

Detailed production yield in minutes

Actual machine status

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Detailed 3d scan vision results
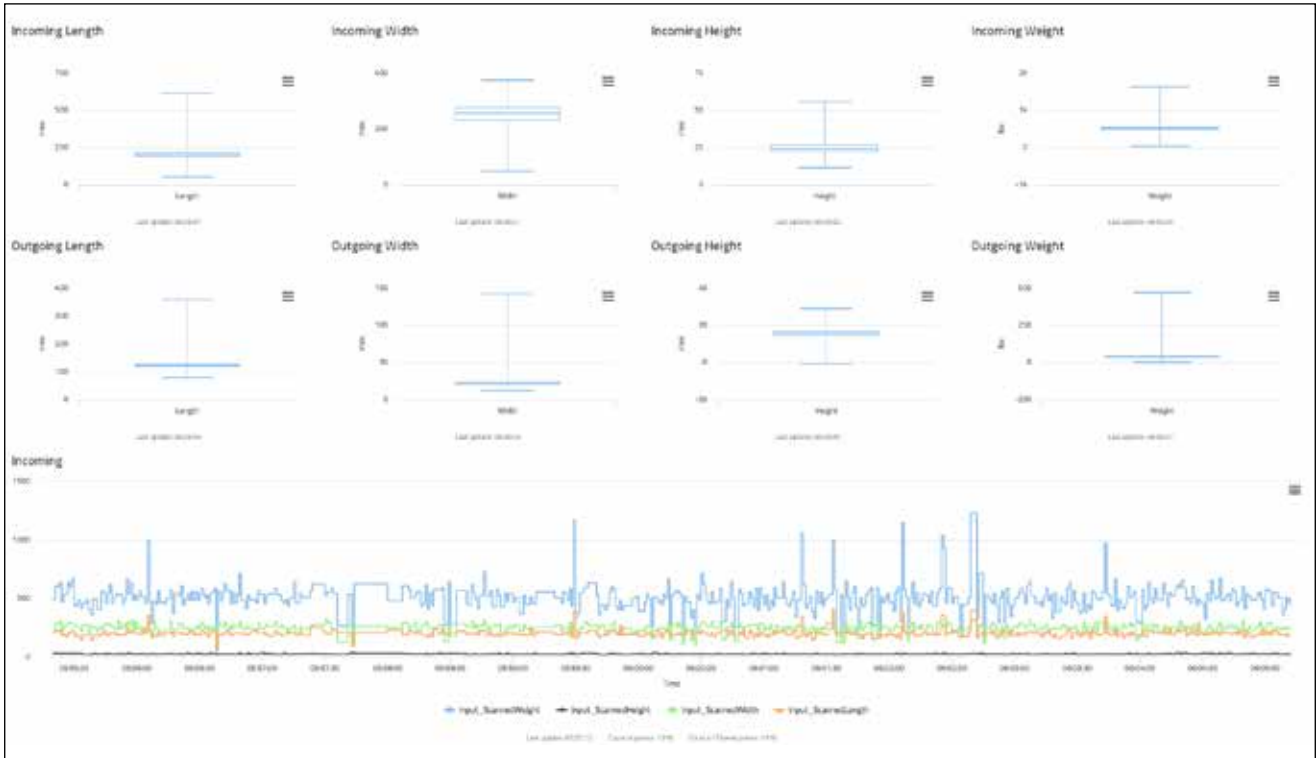
Production yield per minute

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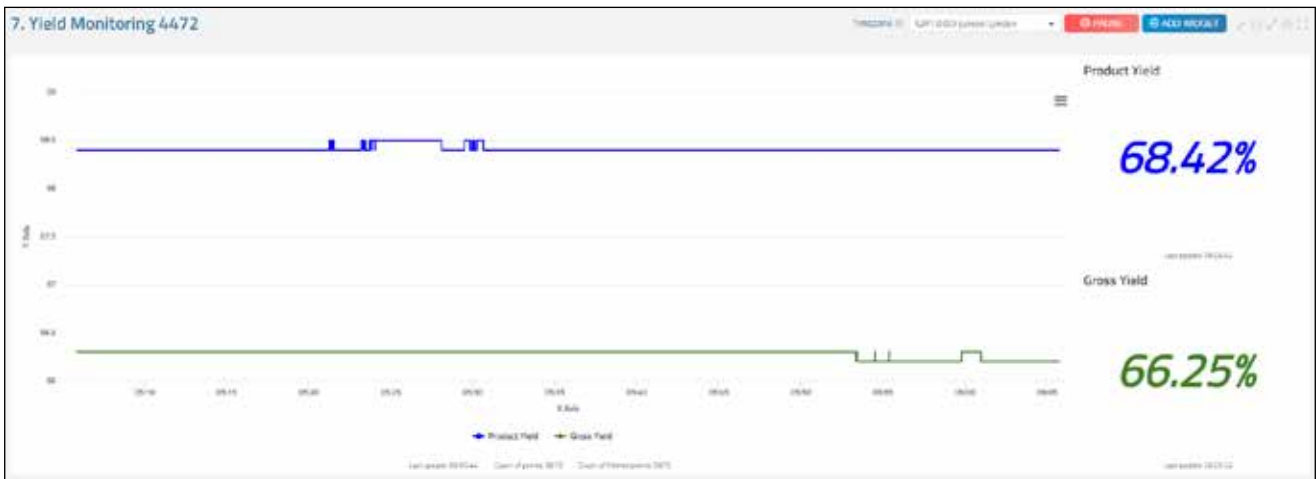
Detailed overview multiple sensors

Current status machine
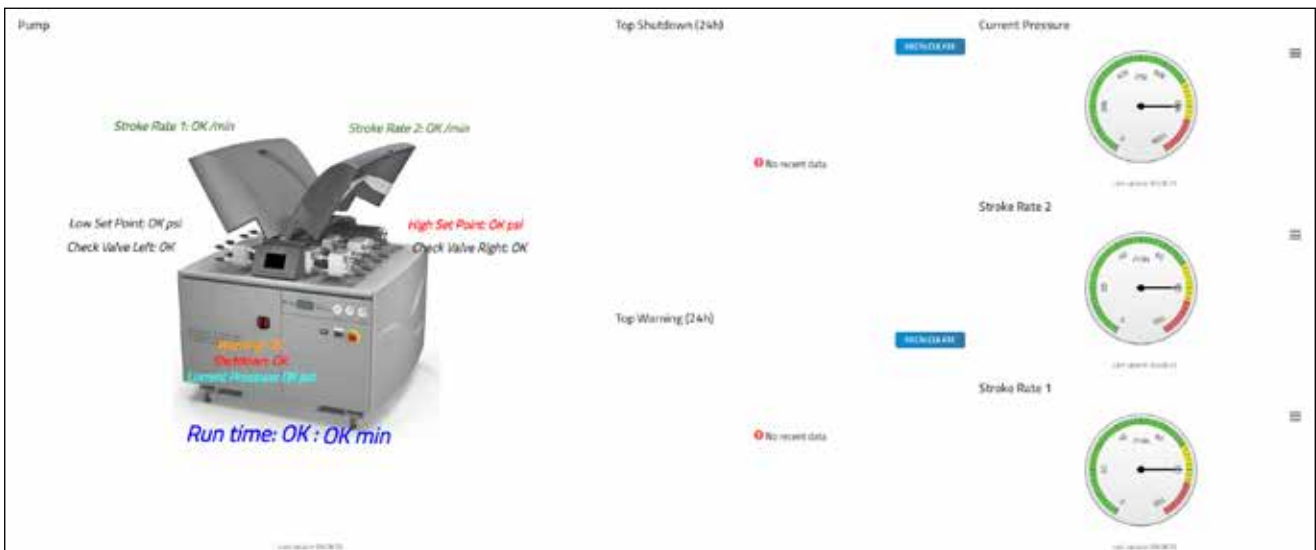
Server HW and performance monitoring

Calibration report

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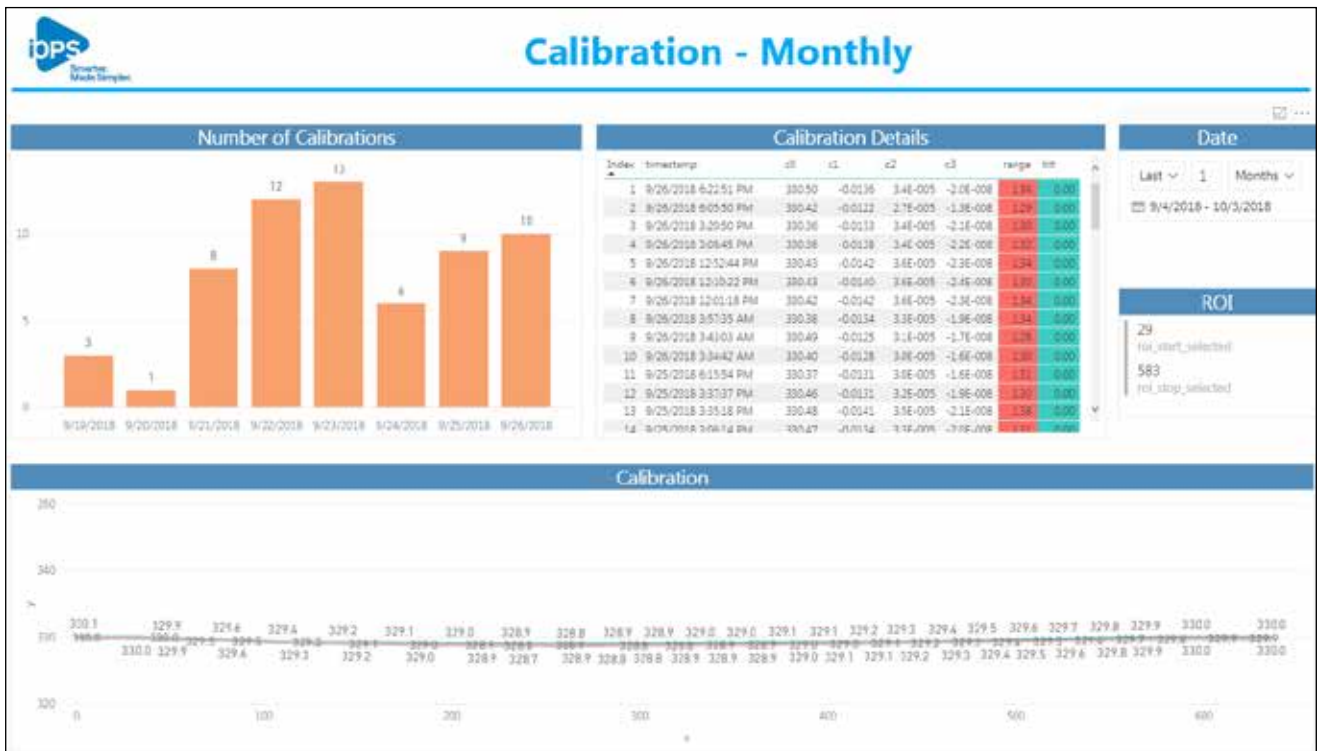
Active mobile vehicles location monitoring with GEO fencing

Machine Fuel Level Analysis

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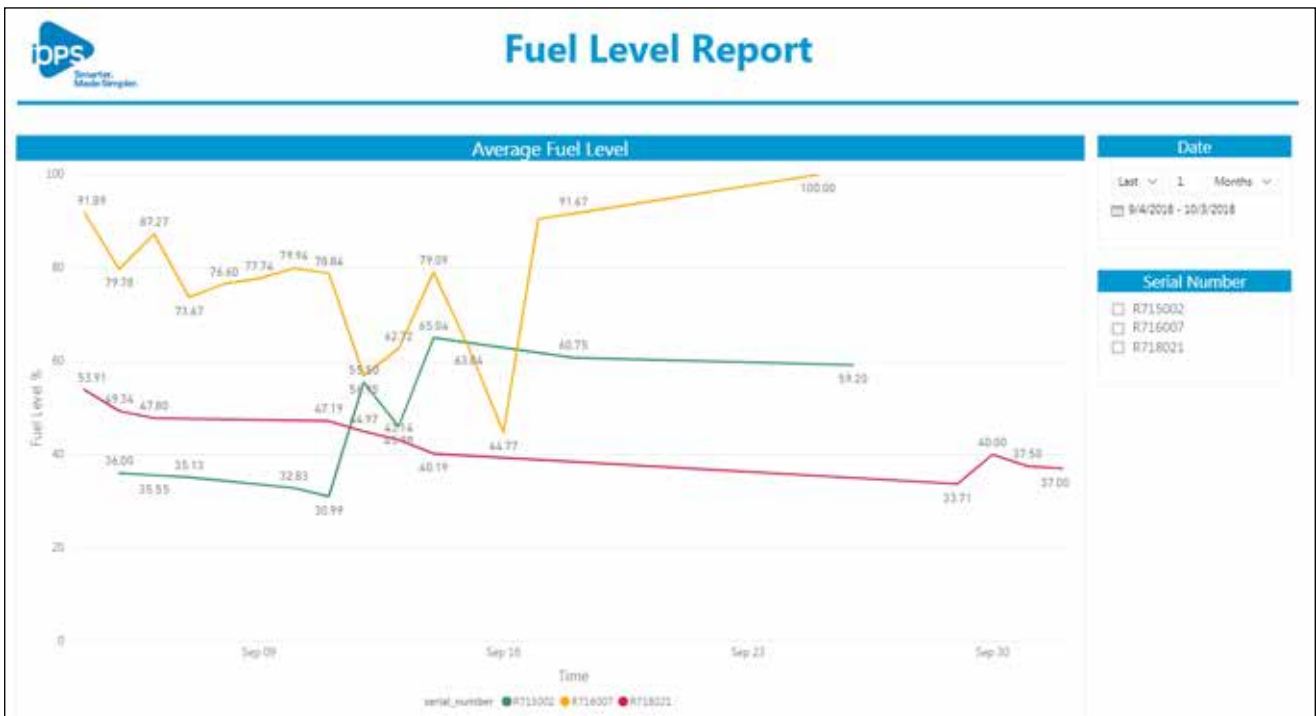
Most recent alarm overview

Full year analysis

Overall current OEE values

Machine: N.00765.01

Planned Production (non idle)	
All Time	Selected Time Period
95%	95%

Overall Equipment Effectiveness	
All Time	Selected Time Period
83,8%	83,8%
Doel: 74,1%, 83,7%	Doel: 74,1%, 83,7%

Availability Rate	
All Time	Selected Time Period
90%	90%
Doel: 84%, 89%	Doel: 84%, 89%

Performance Rate	
All Time	Selected Time Period
94%	94%
Doel: 90%, 95%	Doel: 90%, 95%

Quality Rate	
All Time	Selected Time Period
99,1%	99,1%
Doel: 98%, 99%	Doel: 98%, 99%

Mean Time Between Failures (min)	
All Time	Selected Time Period
12,0·	12,0·
Doel: 10,5, 14,2	Doel: 10,5, 14,2

Mean Downtime (min)	
All Time	Selected Time Period
3,0	3,0
Doel: 3,8, 5,6	Doel: 3,8, 5,6

Distribution of machine capacity

- Production Downtime 16%
- Idle 9%
- Maintenance 4%
- Sterilisation 14%
- Cleaning 14%
- Production Uptime 43%

Maintenance

Next 100 SIP expected at:
Feb 01 2019
Order SIP kit within 12 days

Pick & Place counter	Prod. hours counter
38K	109

Critical Control Parameters

Sterilisation

Sensor	Average deviation of setpoint (last 10 runs)	Critical value expected
Tira 91.01	+2.2	No

Production

Sensor	Average deviation of setpoint (last 10 runs)	Critical value expected
TIRA 114.18	+10.7	No

Failure rates in sections of the machine

OEE > QR > Row-Lane analysis

N.00765.01

Approved % by Lane/Row

Lane/Row	1	2	Totaal
1			99,50 %
2			99,51 %
3			99,45 %
4			99,40 %
5			99,55 %
6			98,86 %
7			99,49 %
8			99,20 %
9			99,56 %
10			99,37 %
11			99,41 %
12			99,46 %
13			99,49 %
14			99,47 %
15			99,51 %
16			99,19 %
Totaal	99,29 %	99,52 %	99,40 %

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Active machines running with active status