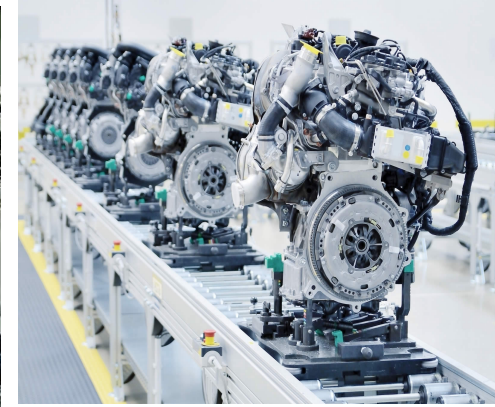![INS³ Industrial Network Systems logo]

Industrial Network Systems

RECENT APPLICATION EXAMPLES

THE DIFFERENCE

• **Engineering & Manufacturing IT Consulting Group:** Experience in industry and manufacturing – Industrial software and technology experts

• **Industrial Software Technology Specialists:** Partner with leading technology companies

• **Rapid Deployment Packaged Solutions:** Our own IP, Reducing project duration and delivering quicker time-to-value (Plant Information Portal, RPM/ICE)

• **Change Management and Training Team:** Assure user acceptance to achieve ROI

• **Proven Processes:** With more than 25 years experience, our proven processes, like Pathfinder save companies money.

# INS3 RAPID DEVELOPMENT SOFTWARE

PLANT IOT TREND

Light weight web based: providing analytics and a means to access historical data, plant-wide unlimited licensing
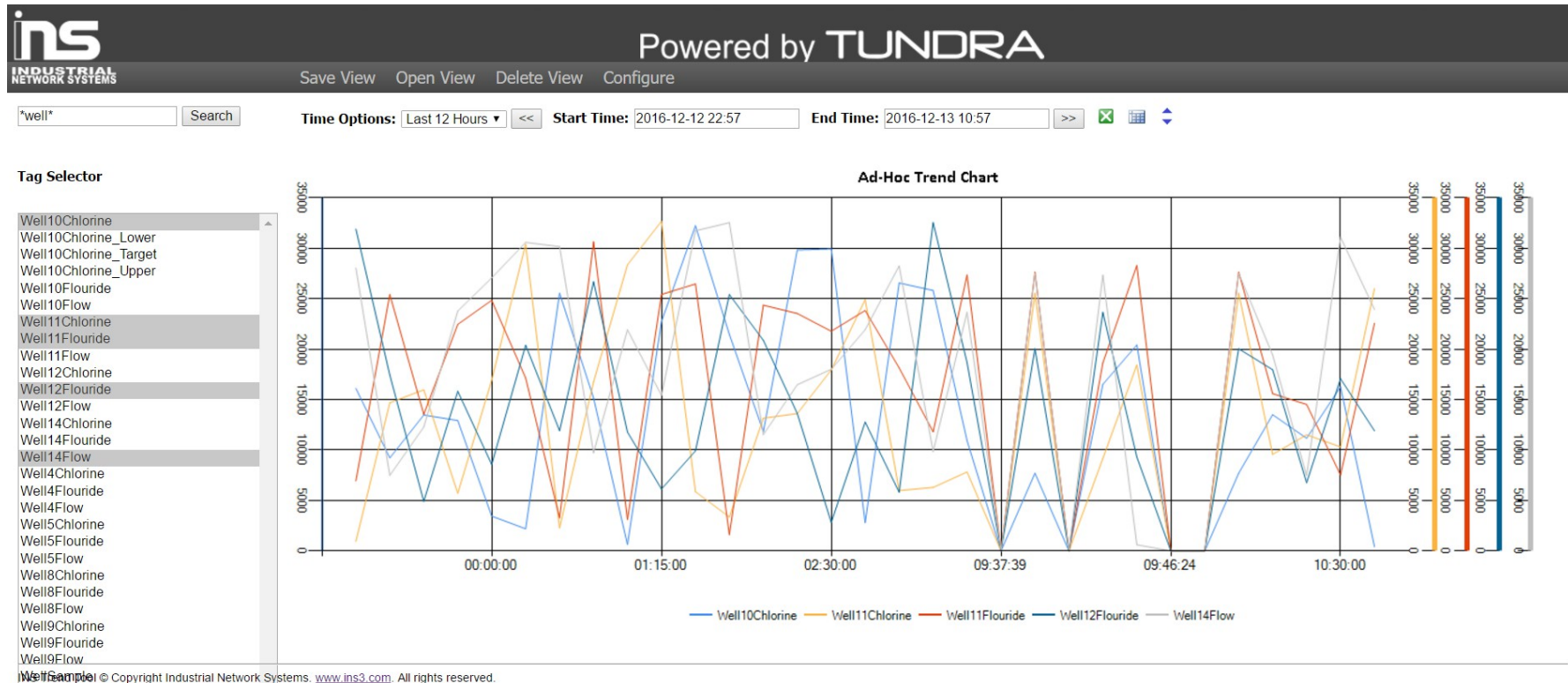
# SMARTCLIENT - MAIN OVERVIEW / OEE – DOWNTIME AND OTHER KPIS

The main overview display is what the operators look at the majority of the time. This allows them to view current information on product (top section), current production run (middle-top), Current Shift (middle-bottom), and Last 3 Shift OEE Metrics (bottom)
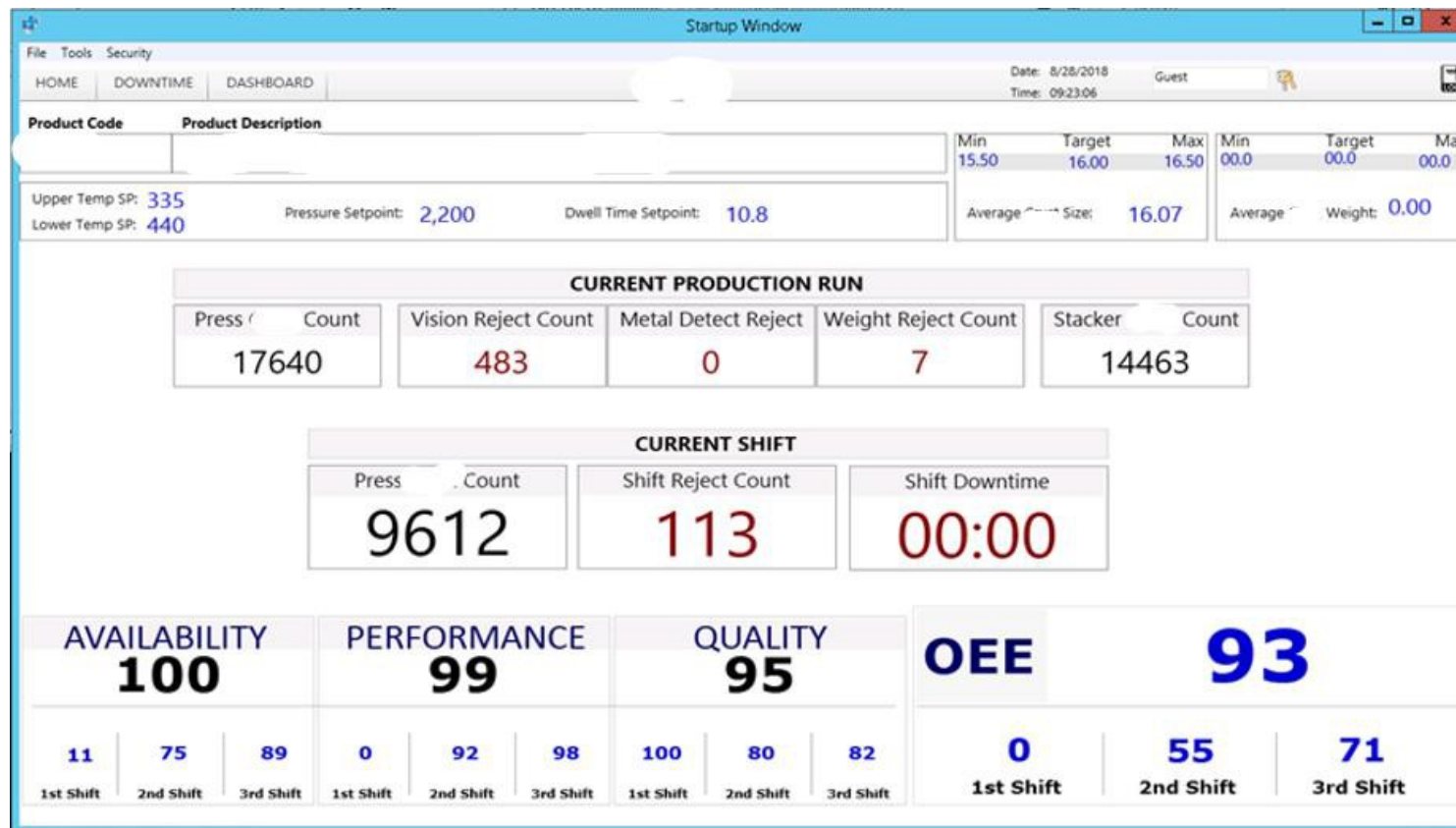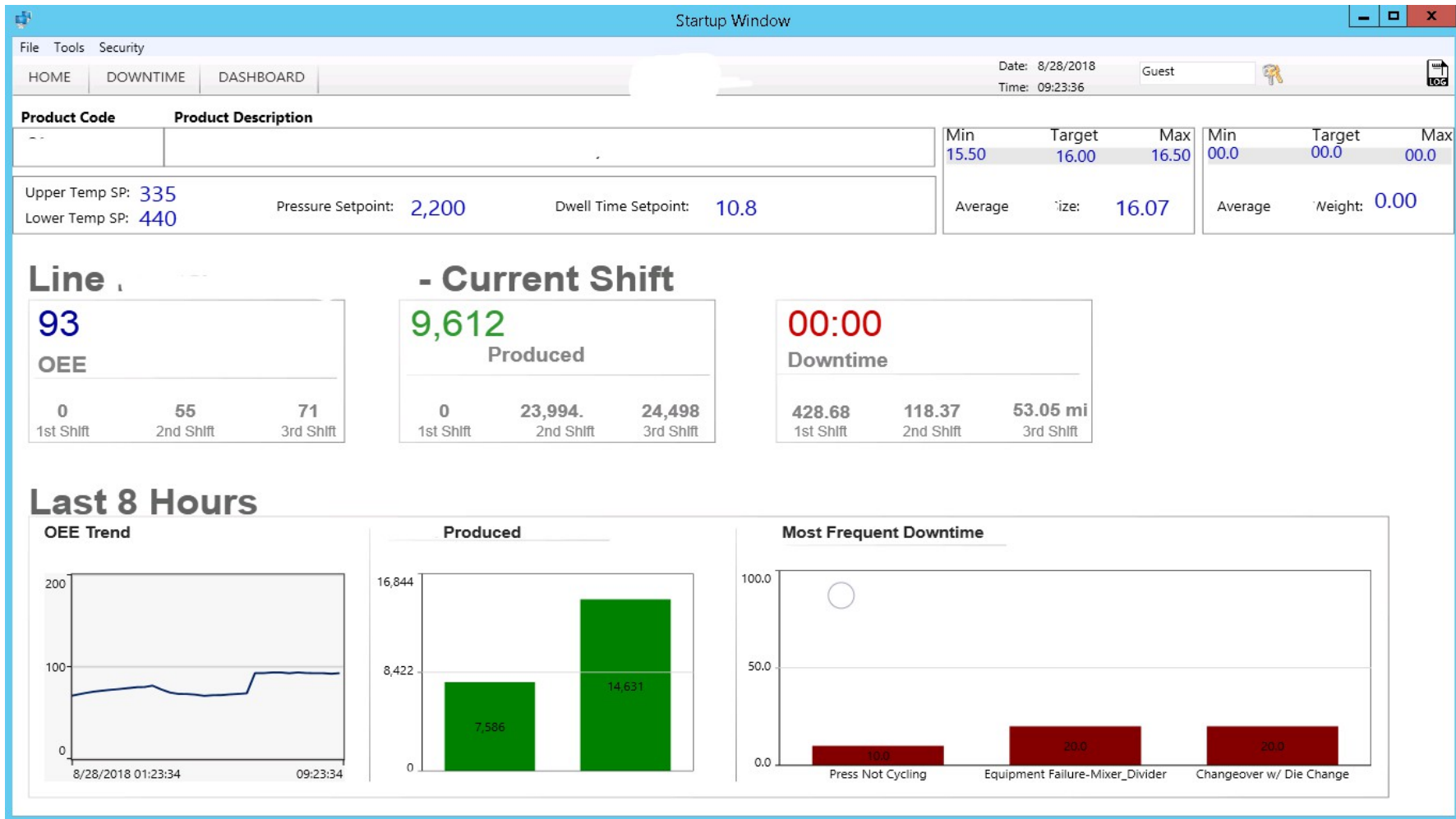
HTML5 – BIG SCREEN

This is a dashboard on a big screen on each line – fully configurable by the user
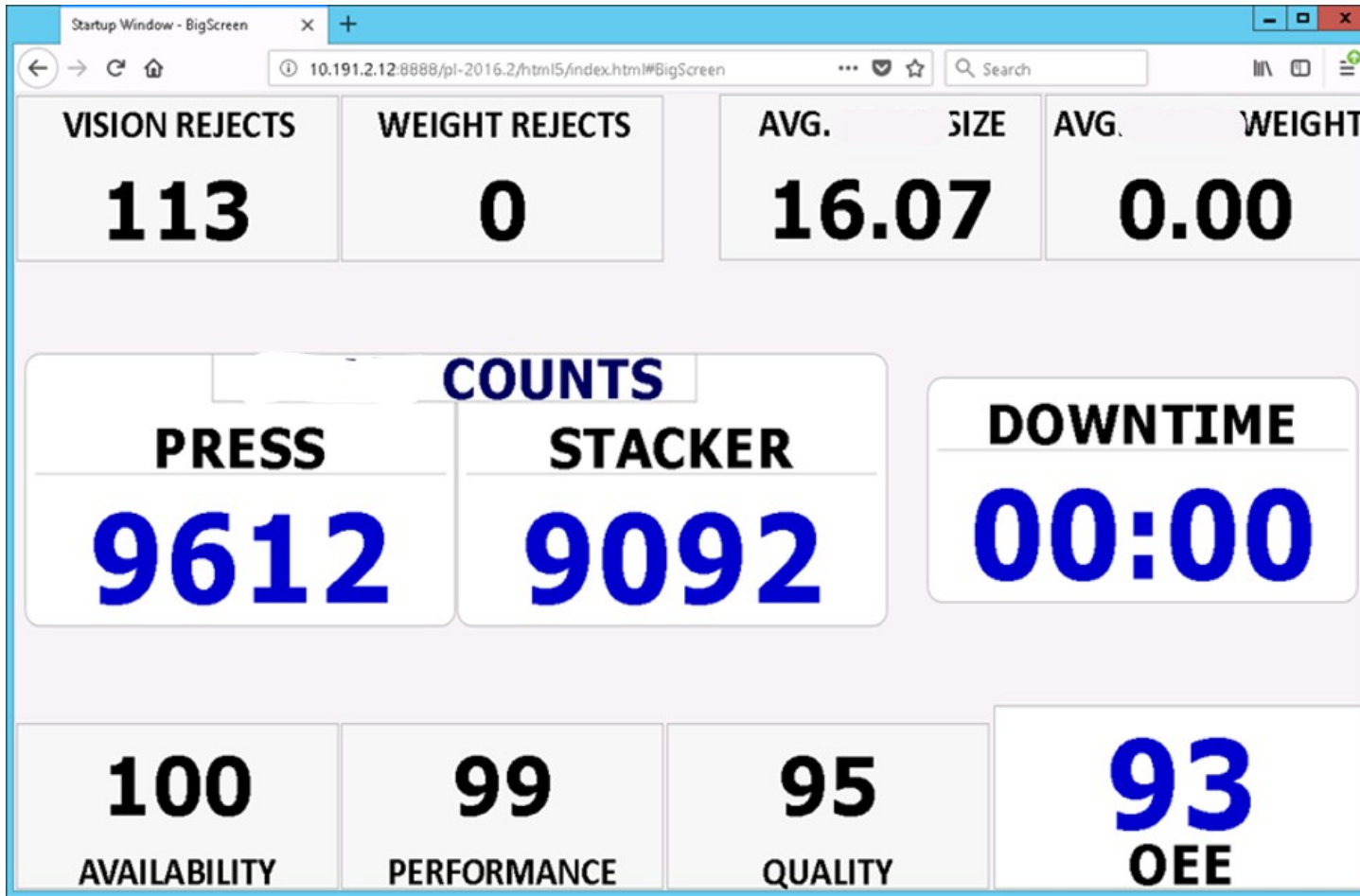
SMARTCLIENT - DASHBOARD

The dashboard gives some information on the current shift and last 8 hours. It allows the operator to see what has happened recently and correct issues.

SMARTCLIENT - DOWNTIME

The downtime display allows the operator to view recent downtime, query downtime, and edit downtime reasons.

SPECIALTY PLASTICS

Main page after login. Shows plant production performance by last three shifts and last 7 days. Site navigation on the left.

ERROR LOG

System Issue Log with issue comments below. Issue editing available in far right column.

DATA ENTRY

Manual Data entry for Issues, Downtime Reasons, Quality Issues, etc

MACHINE MAIN DASHBOARD

This page shows the current running order, product, and the identity of the last production event. Also customer KPI's are displayed as trends with upper and lower targets. Quick dashboard navigation in the upper right corner along with links to the system documentation and messages.
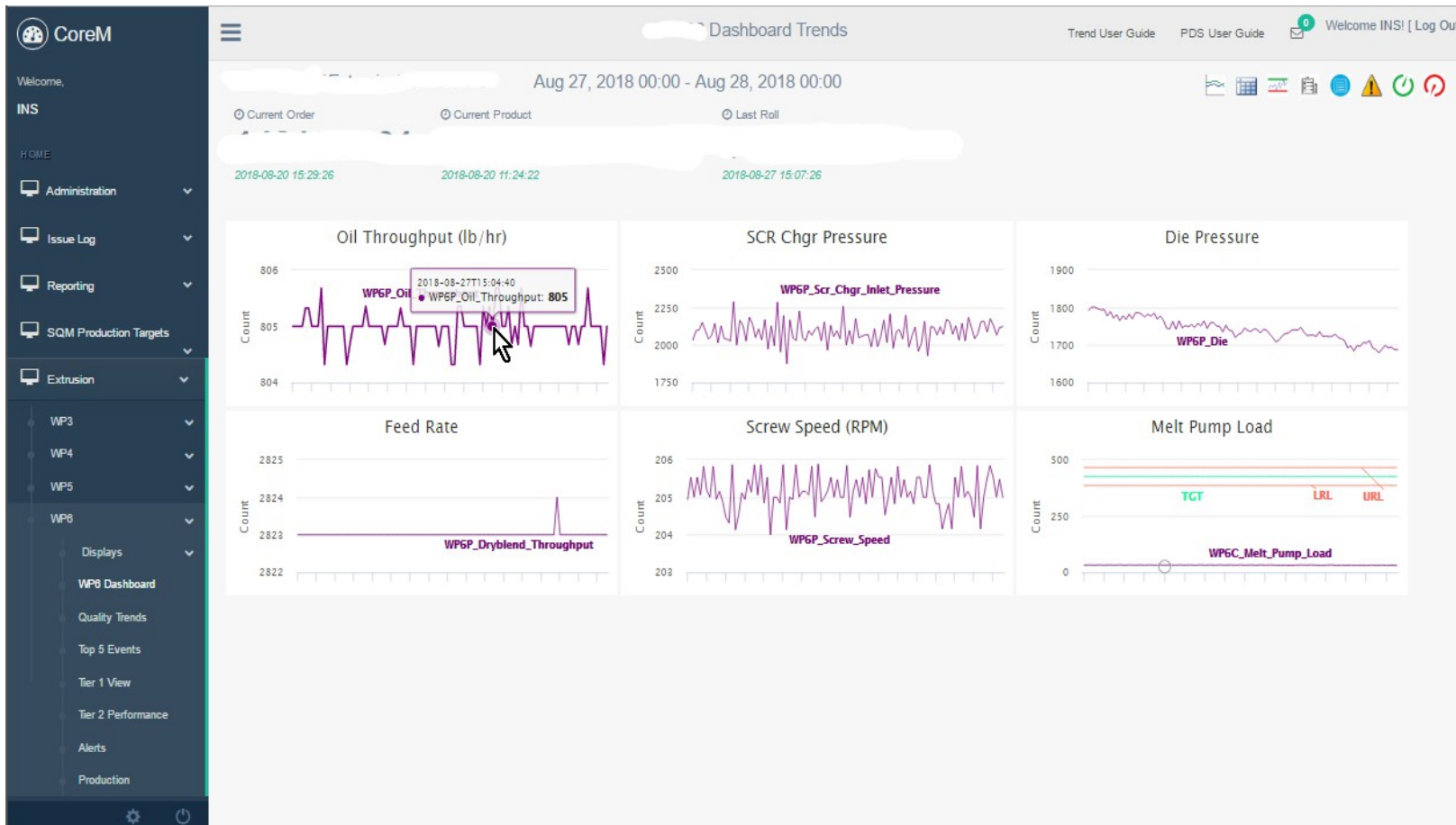
DRILL INTO THUMBNAIL TRENDS

DASHBOARD "TOP 5" PAGE

Last 5 Production Events, Last 5 Downtime Events, Last 5 Alert out of Tolerance events.

FOOD PROCESSING – KPI DASHBOARD
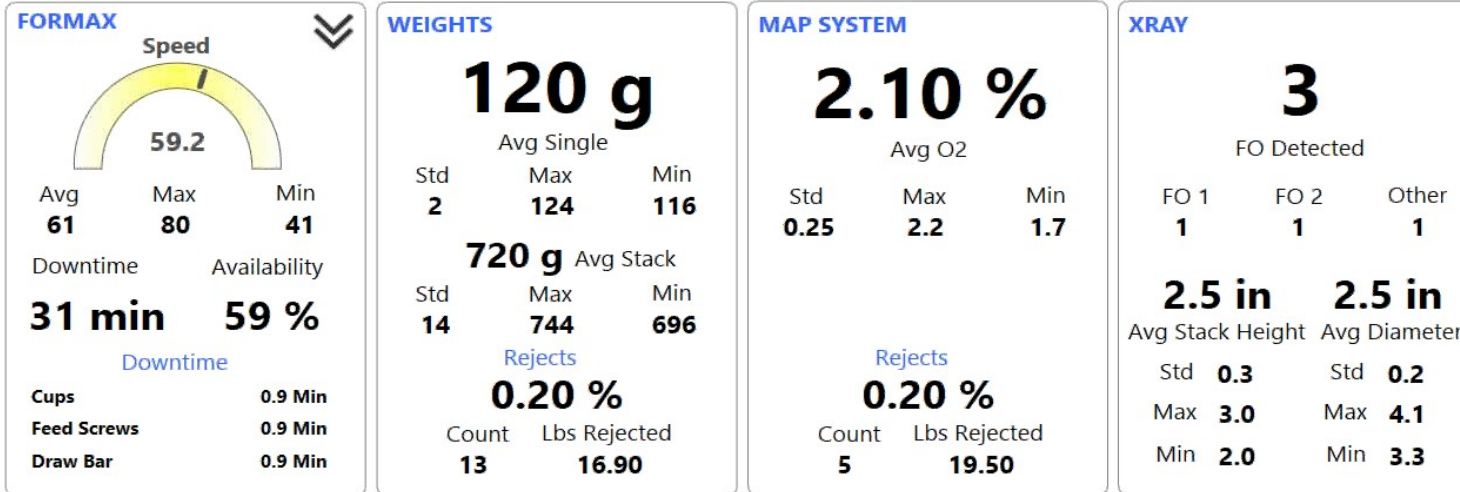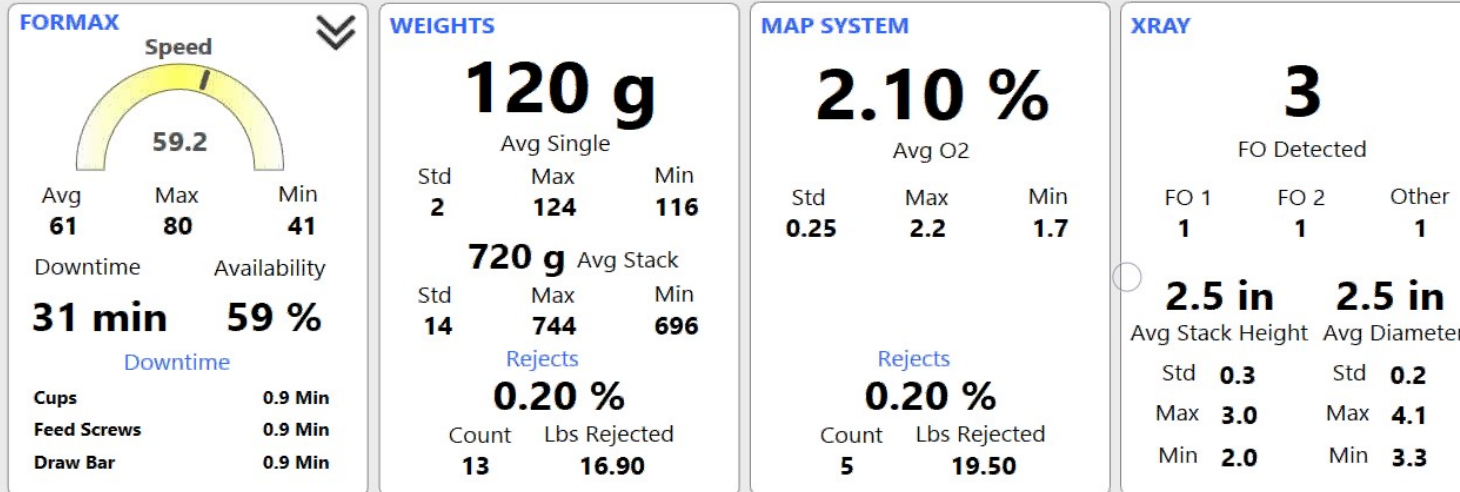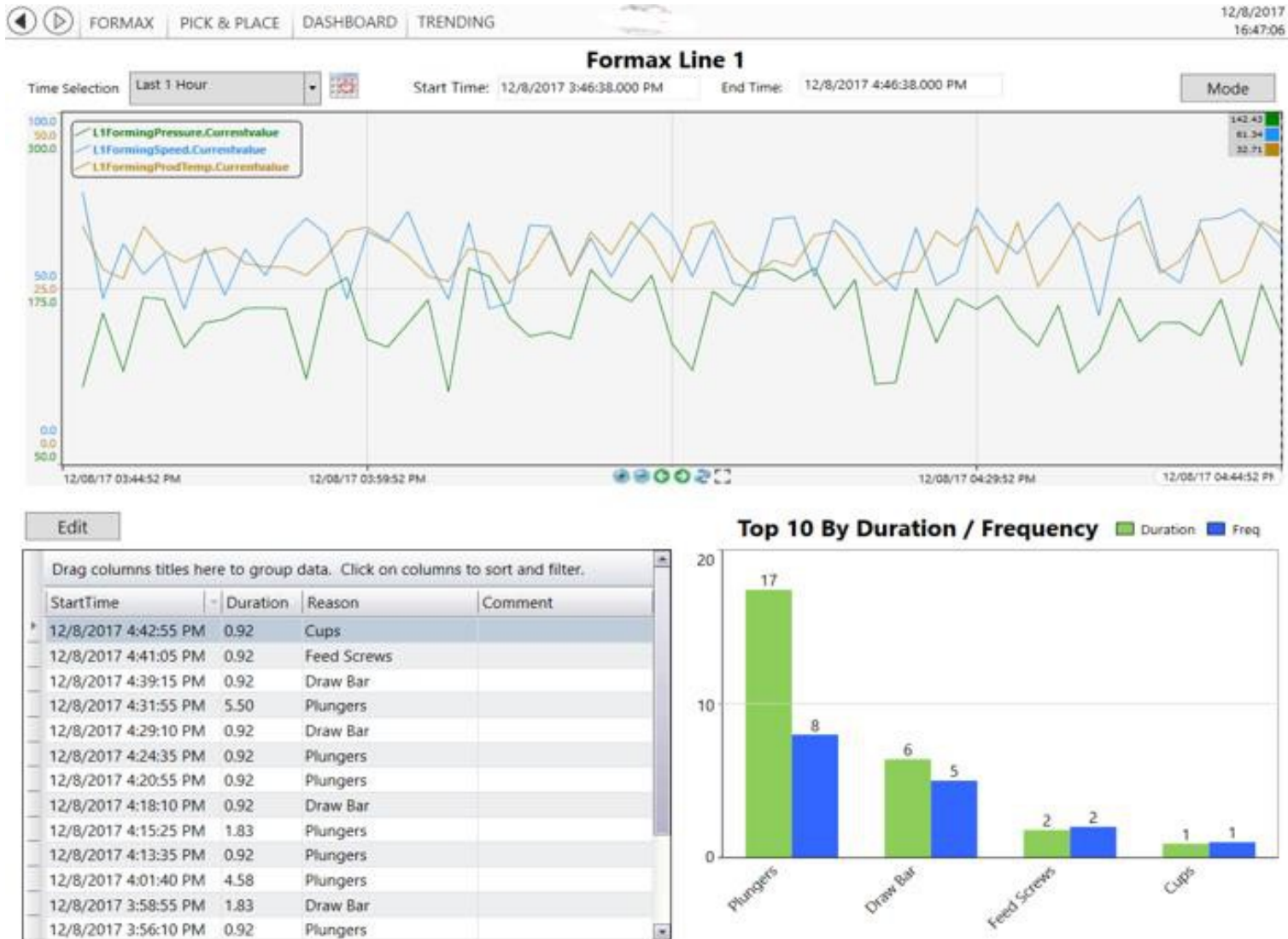
KPI DASHBOARDS – FULLY CONFIGURABLE

KPI DASHBOARDS – FULLY CONFIGURABLE
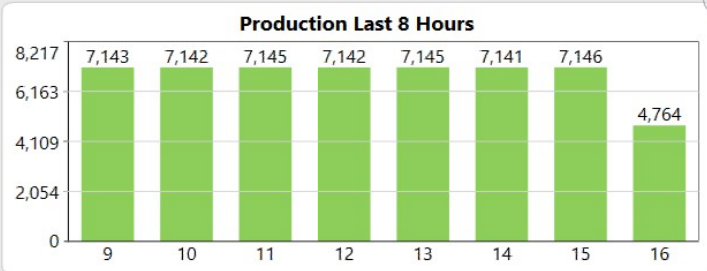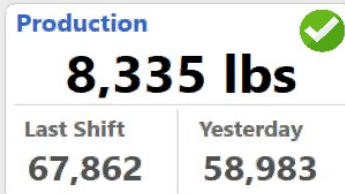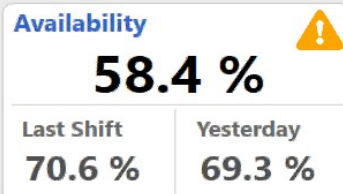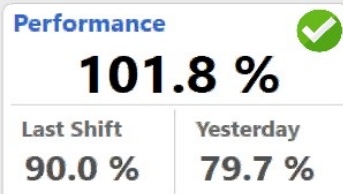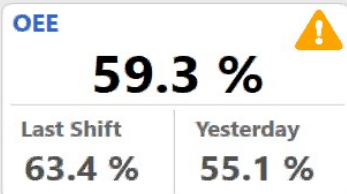
DIFFERENCE

PROVEN SUCCESSES LIKE PATHFINDER

Makes recommendations
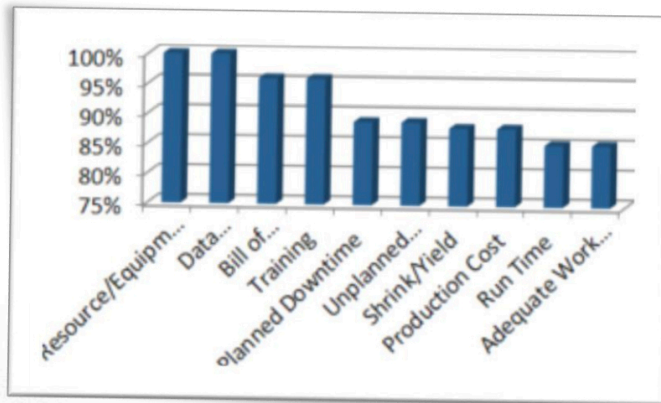
Provides cost estimates and projected ROI

	Software	Labor	Hardware*		+/-
Phase 1 – Plant 1 first line	43,180	142,600	10,000	195,780	15%
Phase 2 – Plant 1 Remainder	69,410	171,810	15,000	256,220	35%
Phase 3 – Plant 2 All Lines	102,410	195,960	25,000	323,370	35%

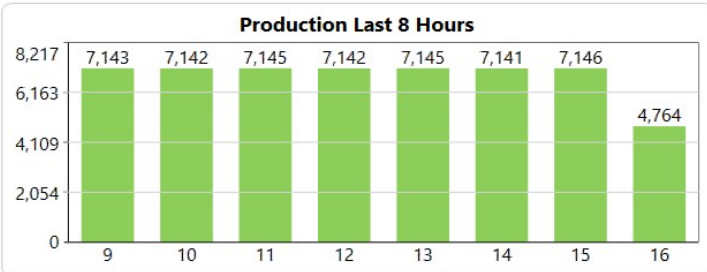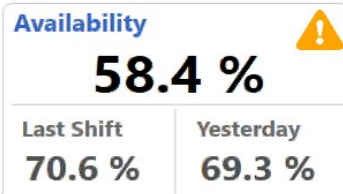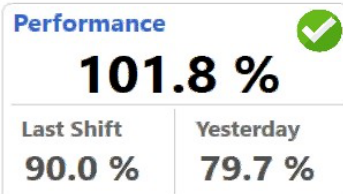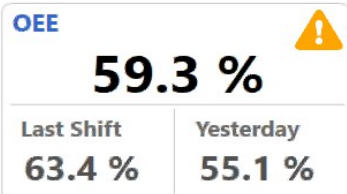**TECHNOLOGY**

50.2%

51.4%

51.0%   52.7%

PEOPLE   PROCESS

Addresses all affected areas

Soft Benefits	
@85%	98,823,530
@90%	93,333,333
Less processing	5,490,197
Avoided Costs	$5,490,197
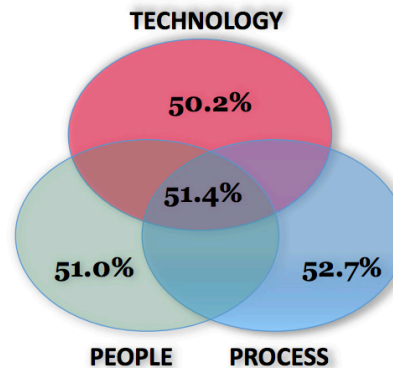
Hard benefits from pilot

Overtime	$78,000
Downtime	$90,000
Scrap	$1,155,385
Total	$1,323,385

Outlines project scheduling
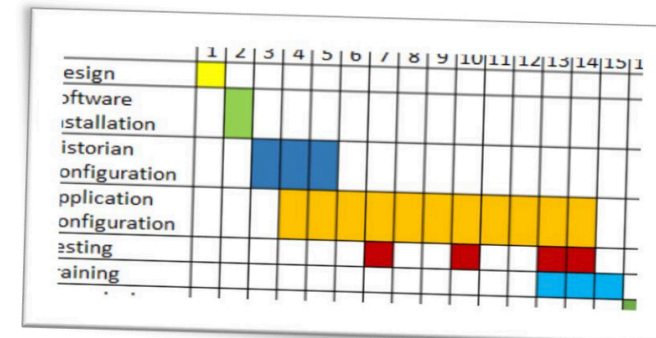
NEXT STEPS

Mutual Discovery Meeting with Key Stakeholders

Plant Walk Through

Working Session

Project has possible people and process challenges?

PATHFINDER PROCESS

Well defined project goals, scope and requirements?

ROM QUOTE

Need a quick win to show value or prove out a concept?

RAPID DEPLOYMENT PACKAGED SOLUTIONS

Industrial Network Systems

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harry@ins3.com