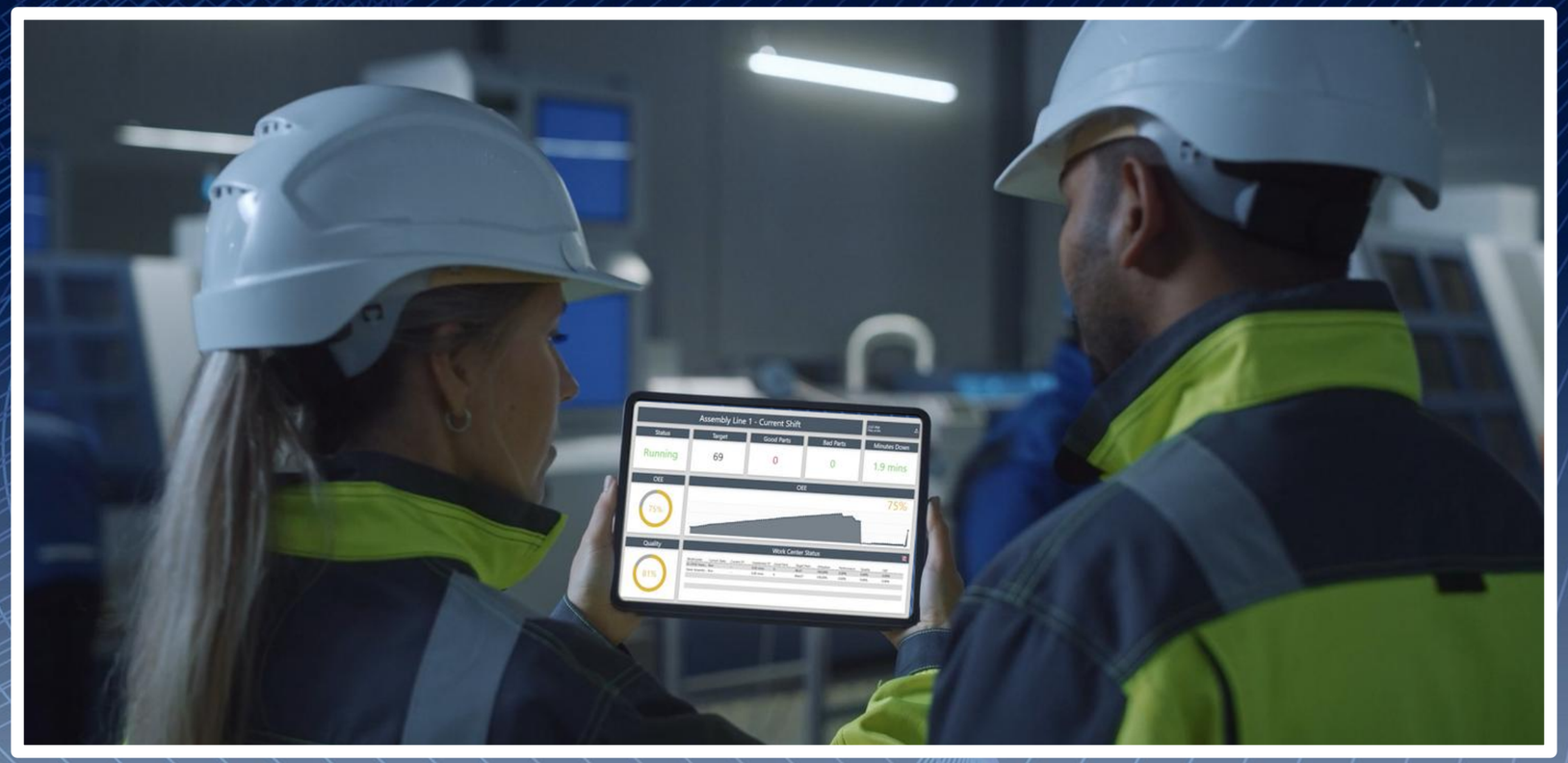
IGEAR INSIGHTS



Unlock Factory Insights: No-Code Dashboards with Ignition + SQUEAKS

IGEAR INSIGHTS

Welcome

Brooks Korfhage
Sales/Integrator Program Lead

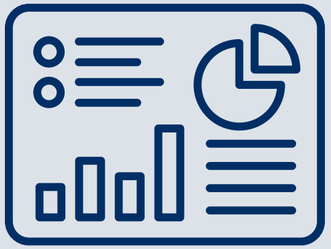
Sydney Wall
Customer Success Engineer

Unlock Factory Insights: No-Code Dashboards with Ignition + SQUEAKS

In Today's Work Environment

Each team member is accountable for monitoring roughly six to twelve key metrics and KPIs on a daily basis.

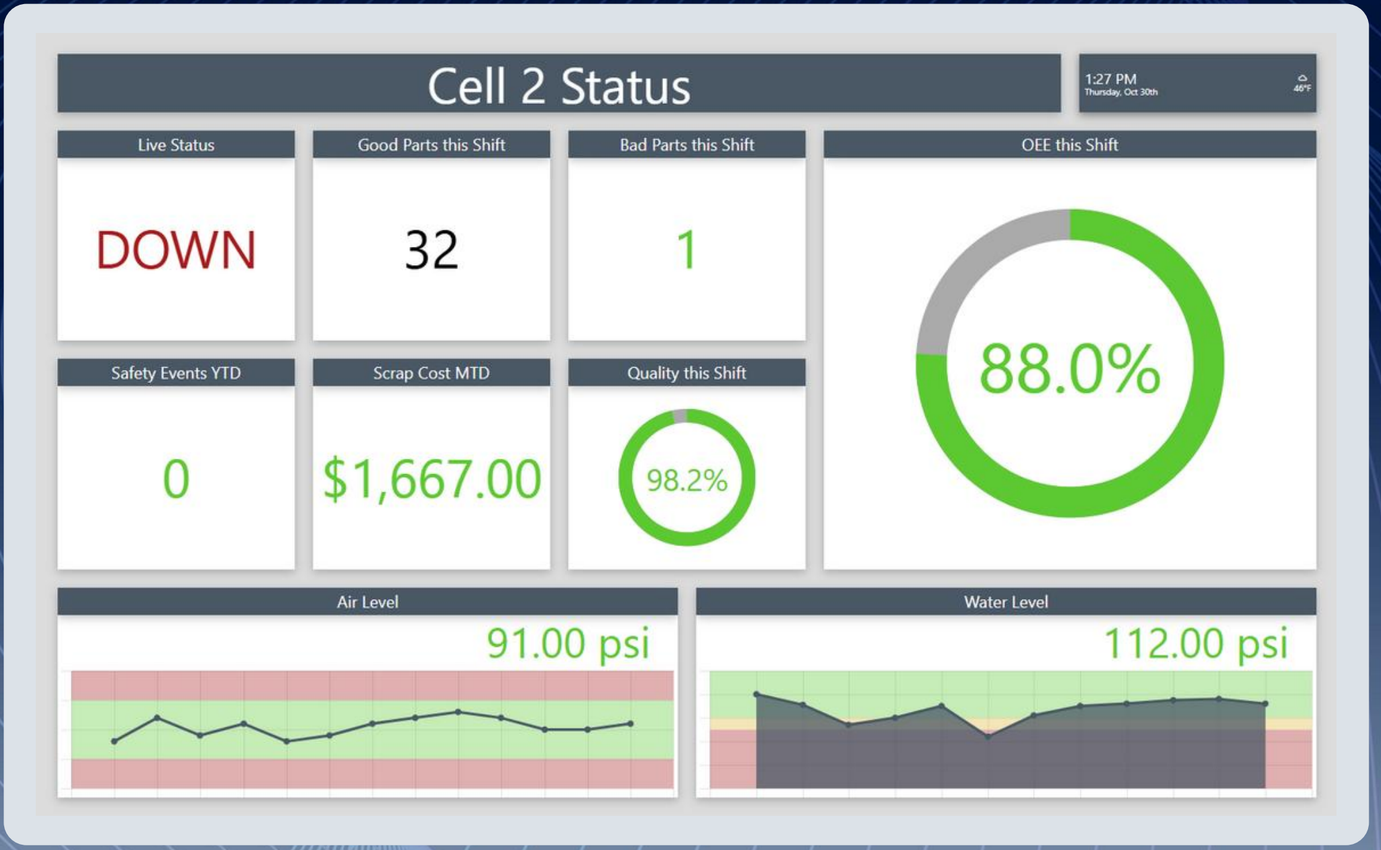
These KPIs originate from multiple data sources, including Ignition, Computerized Maintenance Management Systems (CMMS), Enterprise Resource Planning (ERP), Manufacturing Execution Systems (MES), and more.



Team members need continuous visibility into KPI trends and a simple, organized way to access and view this data.

Customer Use-Case

- Needed a way to easily track performance across key areas.
- Wanted the flexibility to create dashboards without relying on developers.
- Implemented SQUEAKS to build and update KPI dashboards independently, anytime they're needed.



SQUEAKS Metrics & DataSets

SQUEAKS Metrics display key performance indicators in real time, showing a single piece of information over a defined period.

Metric values can be automatically generated from machine data via the SQUEAKS API or IGear CONNECT, or entered manually through the SQUEAKS web app.

SQUEAKS DataSets are tables of data populated through direct connections to SQL or Oracle databases, the SQUEAKS API, or IGear CONNECT.

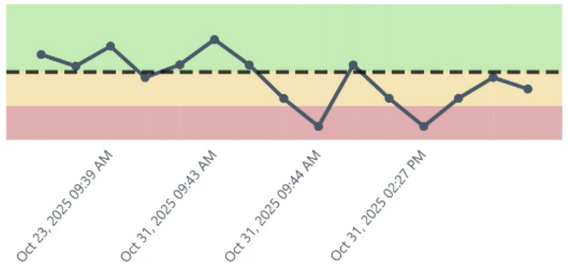
SQUEAKS Metrics

Quality KPIs

11:16 AM
Monday
Nov 3rd
48°F

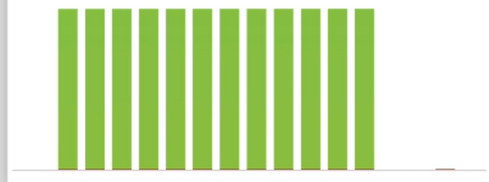
Assembly Quality

85%

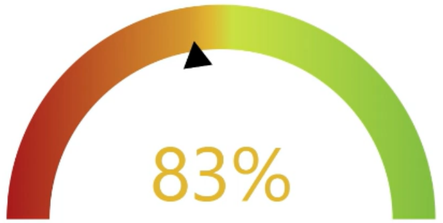


Paint Quality

100



Assembly Performance



Quality

91%

Target: 90%

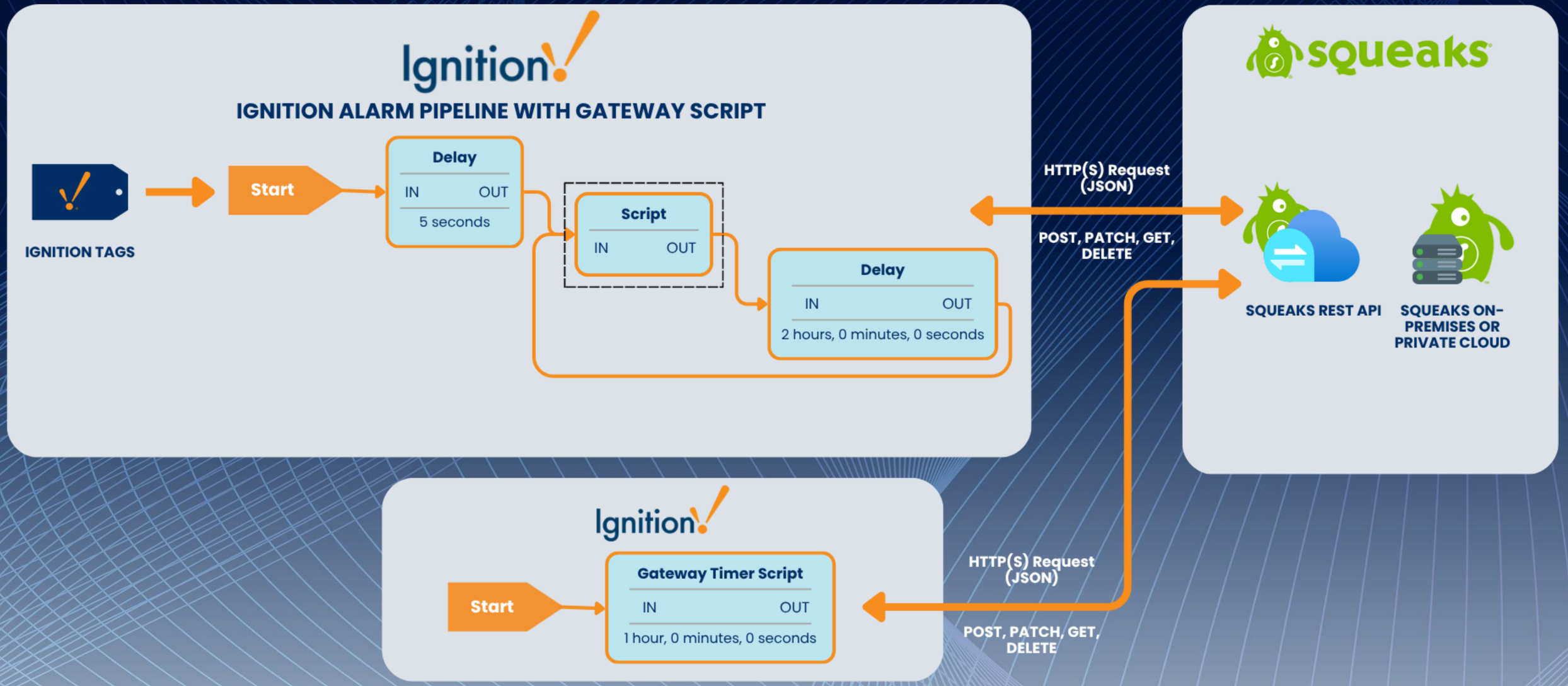
Name	Current
Axle State	DOWN
Engine State	OP 123
Trim State	MAINT
Bumper State	100
Chassis State	UP
Doors State	UP
Frame State	UP
Line State	UP

SQUEAKS DataSets

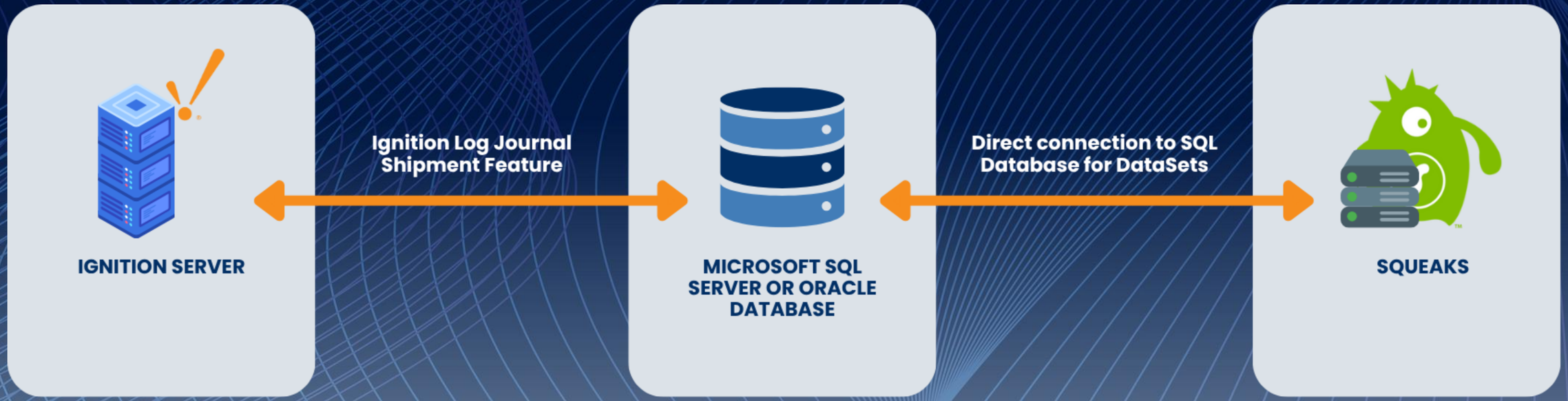
Active Alarms

Work Center	Alarm Type	Start Time	Status
OP10	Part Presence Fault	2025-03-25T09:20:17	Claimed
OP40	Air Leak Fault	2025-04-02T05:57:47	Claimed
OP10	Tool Change Fault	2025-07-29T16:28:08	Open
OP10	Tool Change Fault	2025-07-29T16:50:26	Open
OP10	Machine Over Cycle Fault	2025-07-30T08:44:49	Open
OP10	Tool Change Fault	2025-07-30T08:49:55	Open
OP10	Air Leak Fault	2025-07-30T08:50:09	Open
OP10	Machine Over Cycle Fault	2025-07-30T08:52:08	Open
OP10	Air Leak Fault	2025-07-30T12:49:47	Claimed
OP20	Tool Change Fault	2025-08-08T10:42:20	Open
OP10	Tool Change Fault	2025-08-11T11:35:19	Claimed
OP10	Tool Change Fault	2025-08-19T12:29:18	Open
OP10	Air Leak Fault	2025-08-20T10:08:39	Open
OP10	Part Presence Fault	2025-09-04T16:55:40	Claimed
OP20	Screw 1 Depth	2025-09-05T10:28:38	Claimed
OP10	Machine Over Cycle Fault	2025-09-11T13:25:29	Open
OP10	Tool Change Fault	2025-09-15T20:10:46	Open
OP10	Tool Change Fault	2025-09-18T17:31:54	Open
OP10	Tool Change Fault	2025-09-18T17:31:54	Open
OP10	Machine Over Cycle Fault	2025-09-24T10:32:15	Open
OP20	Tool Change Fault	2025-10-09T12:18:34	Open
OP10	Screw 1 Depth	2025-10-17T13:54:08	Open

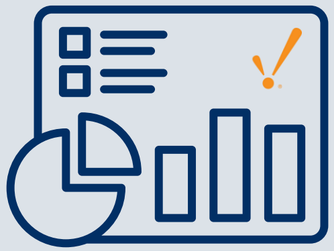
SQUEAKS + Ignition Integration



SQUEAKS + Ignition Integration



SQUEAKS No-Code Dashboards

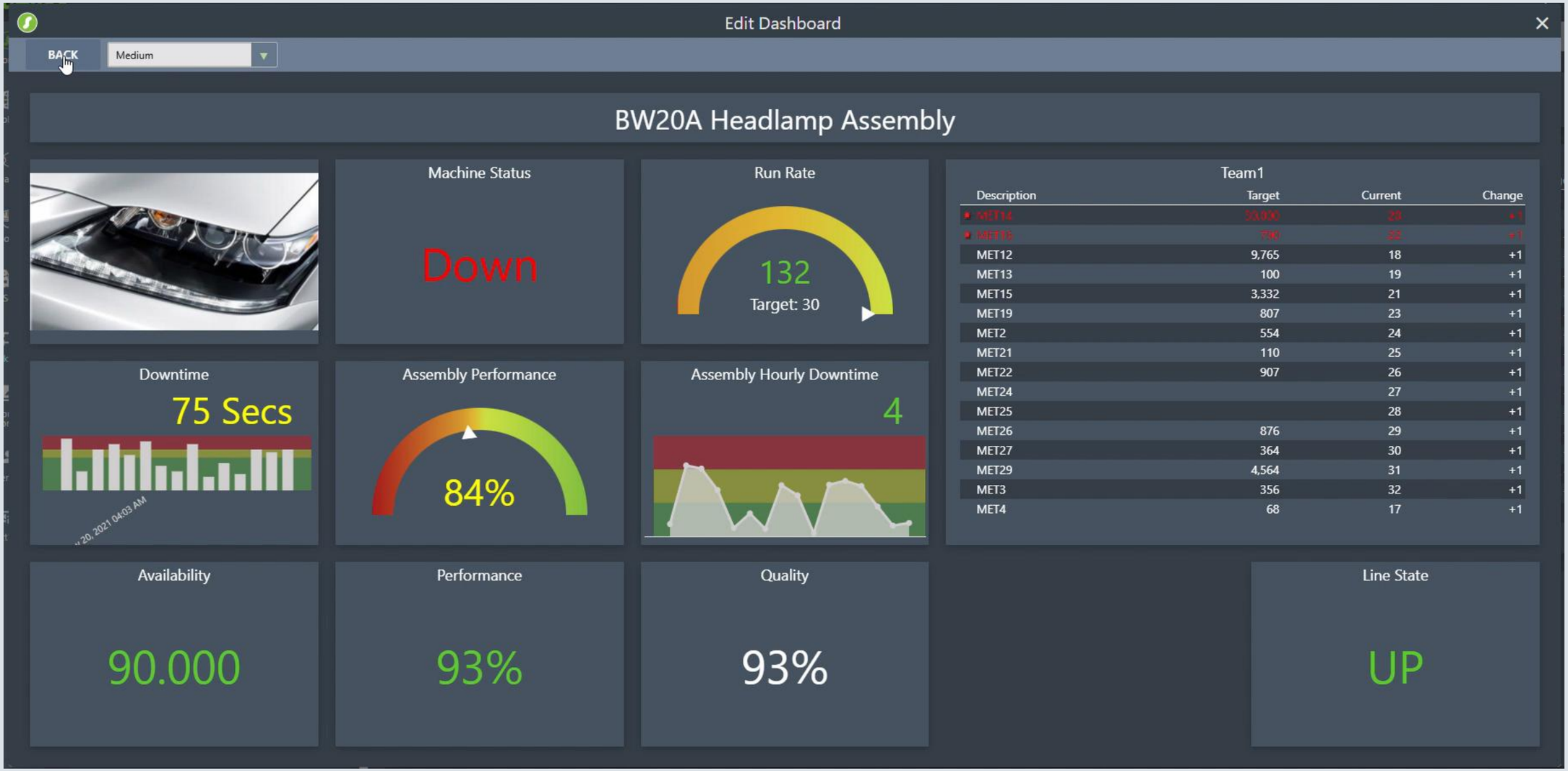


Bring Ignition data into live dashboards and metrics—no coding required.

A simple drag-and-drop editor lets users create custom views that highlight their most important information.

Dashboards can display Ignition data alongside data from other sources, providing a complete, unified view.

SQUEAKS Drag & Drop, No-Code Dashboards



Display Data From Any Data Source

Steering Assembly - Live Status

Ignition

Line Status

Down

Run Rate

Torque Sub Assembly

Description	Current	Change
1B Active Body Number	IX 425217	
1B Active Job	QFJ Eng Mt Brkt RH	
1B Last Calibration	04/03/2023	

CMMS

Mean Time to Repair

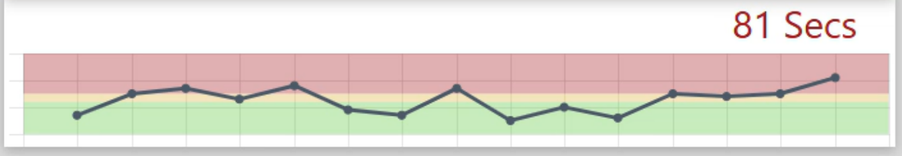
90.000

Work Order Completion Rate

PM Compliance

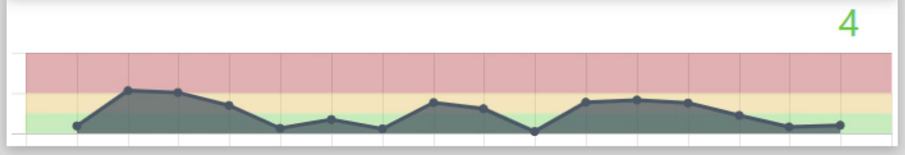
89%

Equipment Downtime



MES

Daily Scrap



Quality

93%

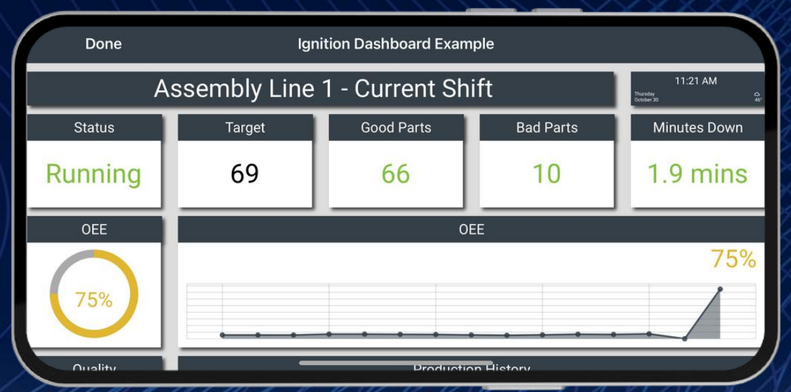
Cycle Time

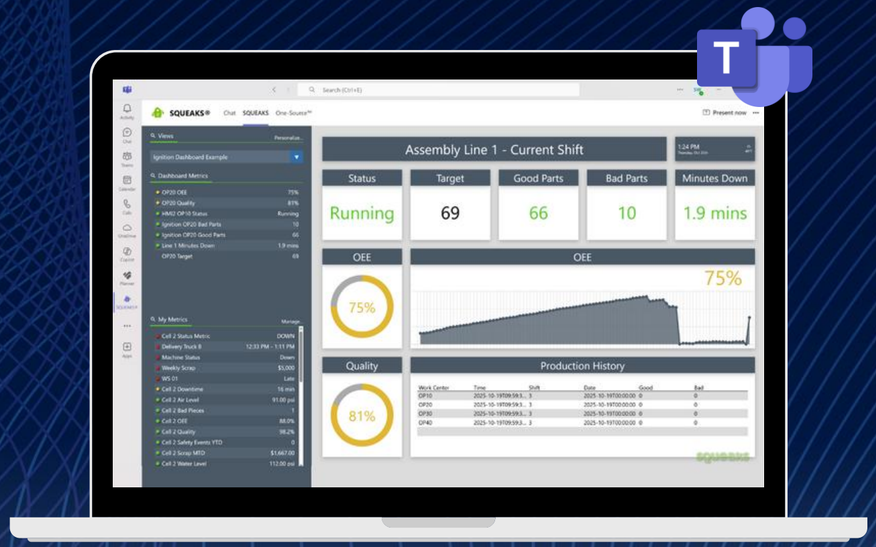
50

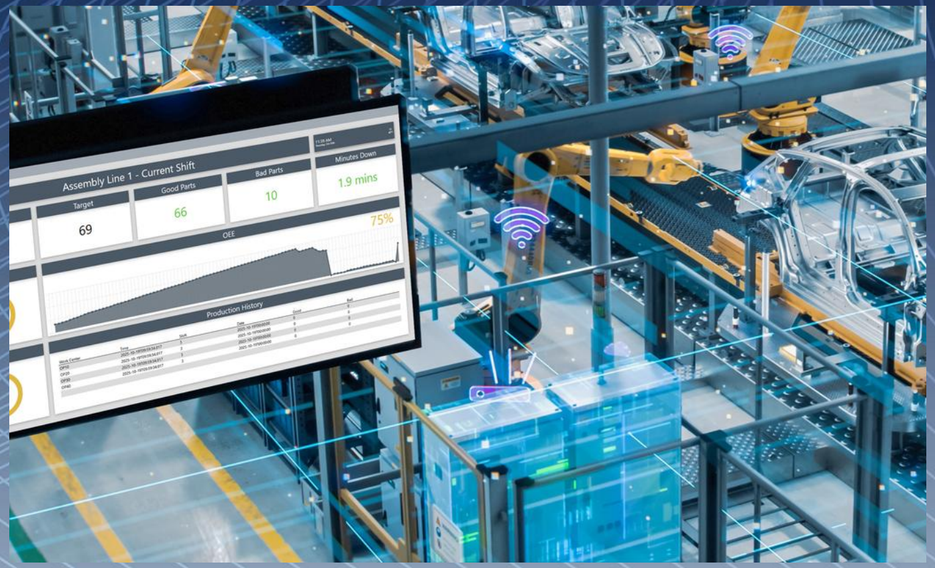
Line State

UP

Access SQUEAKS Dashboards Anywhere, Anytime







IGEAR INSIGHTS

Thank You!