



MARK DERBECKER

CO-FOUNDER
CHIEF PRODUCT OFFICER

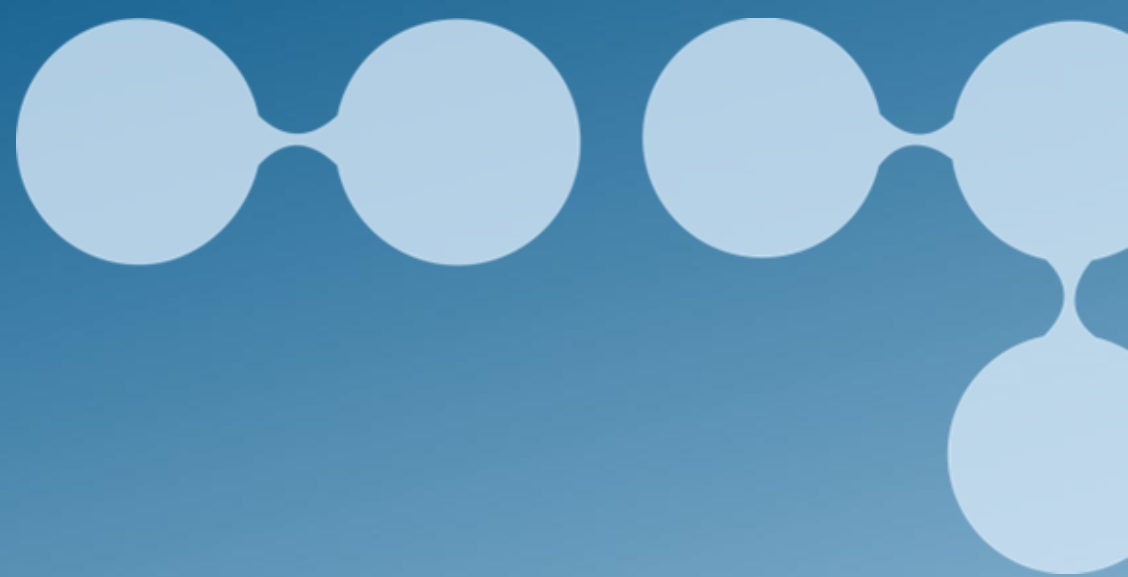


- 1. Everything is in play.**
- 2. The pressure is on us.**
- 3. Automation FTW.**
- 4. Time-to-value approaches zero.**
- 5. Best practices spread quickly.**

- 1. Seeq connects. We don't ETL.**
- 2. Streaming calcs is our superpower.**
- 3. 100% automatable since 2013.**
- 4. Meet you wherever you are.**
- 5. Compound your human investment.**



CORINNE ILVEDSON
FOUNDING PARTNER
STRATEGIC PRODUCT ADVISOR





**How have recent
global production
shortages impacted
demand for our
product?**



Boards

Date: May 1, 2026 - May 31, 2026 (MDT) ▾

AI Insights

Add visualization

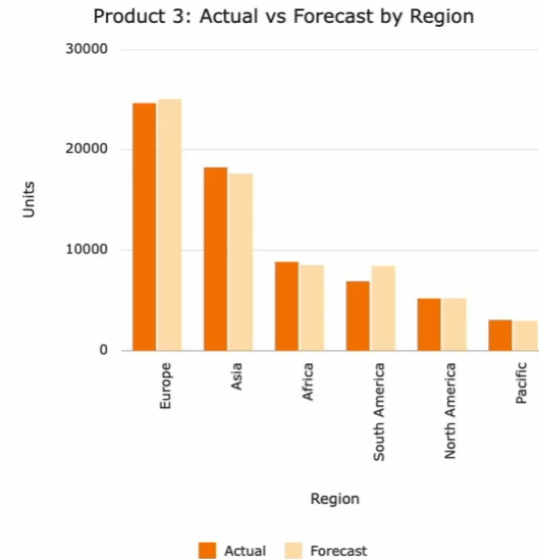
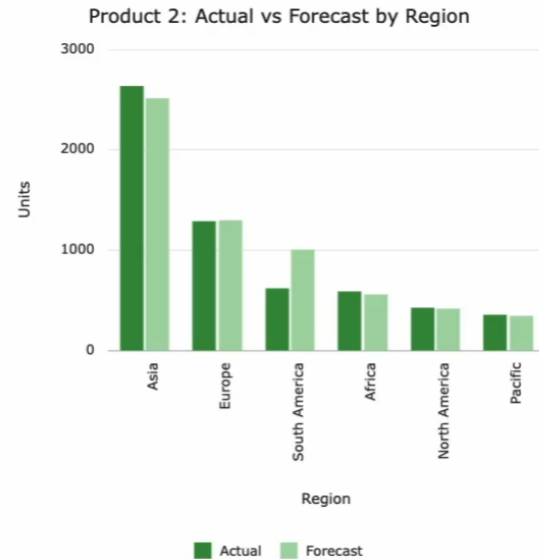
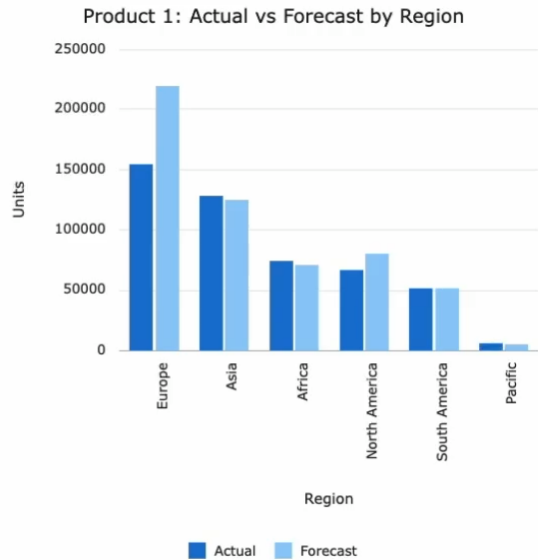
AI Insights

- Phoenix is exceeding forecast while other sites are falling short

Product 1: Actual as % of Forecast
87.1 %

Product 2: Actual as % of Forecast
96.5 %

Product 3: Actual as % of Forecast
98.6 %



Insight Boards: Available Q4

Date: May 1, 2026 - May 31, 2026 (MDT) ▾

AI Insights

Add visualization

AI Assistant



Custom Agents

Library

+ New Chat

AI Summary

Comparing Apr 30, 2026 - May 30, 2026 to Mar 31, 2026 - Apr 30, 2026

Product 1: Actual as % of Forecast

108.6 %

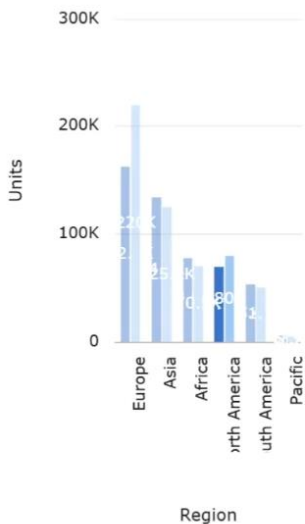
Product 2: Actual as % of Forecast

103.8 %

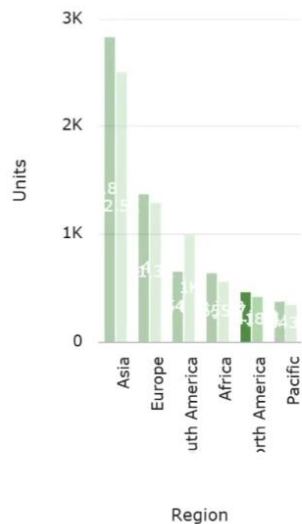
Product 3: Actual as % of Forecast

103.4 %

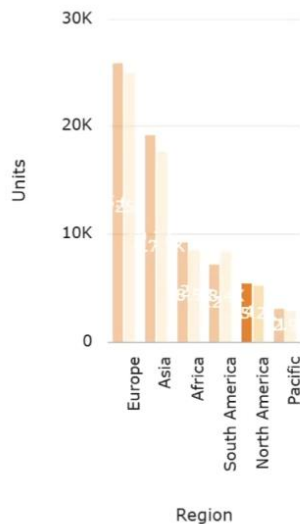
Product 1: Actual vs Forecast by Region



Product 2: Actual vs Forecast by Region



Product 3: Actual vs Forecast by Region



Agent Q

What can you do for me?

Production

What was the production the first week of the month?

Process Events

What events occurred yesterday?

Add context

Ask me about Insights

Agent Q ▾



Impact Reports: Available Now



Agent Q

How is Phoenix production higher than plan?

Thought Gathering production data >

❗ Discovering Seeq Context for Phoenix Production >

✅ Analyzing Phoenix Production Performance >

Phoenix is higher than plan because a **yield improvement (not necessarily higher feed rate)** has been implemented and documented for the Phoenix site.

From the Phoenix Impact Report "7% Increase in yield" (tested in May 2026):

- When **feed rates were elevated**, operators **increased both reactor temperature and additive rate**, which resulted in a **~7% higher Product 1 yield**.
- The documented recommended targets were:
 - **Additive rate: 1.4 kg/d**
 - **Temperature: > 600°F**
- This improvement is already quantified in the Impact Report as **\$200,000**.

So, "production higher than plan" is explained by **more product made per unit feed (higher yield)** driven by operating strategy (temperature + additive) during high-feed periods—i.e., actual output can exceed plan even on-plan.

If you want, I can also quantify *how much* Phoenix is above plan over a specific period (this week / month / since May) — I'll need the specific Phoenix **Actual** and **Plan** signal items (or I can search again if you can point me to a workbook/worksheet where you trend them).

View all files

Add context

Ask me about Insights

Agent Q

Your agent ecosystem = 
Seeq Agents = 
Seeq Platform = 



 **Agent to Agent: Available Now**



Custom Agents

Library

+ New Chat

Agent Q

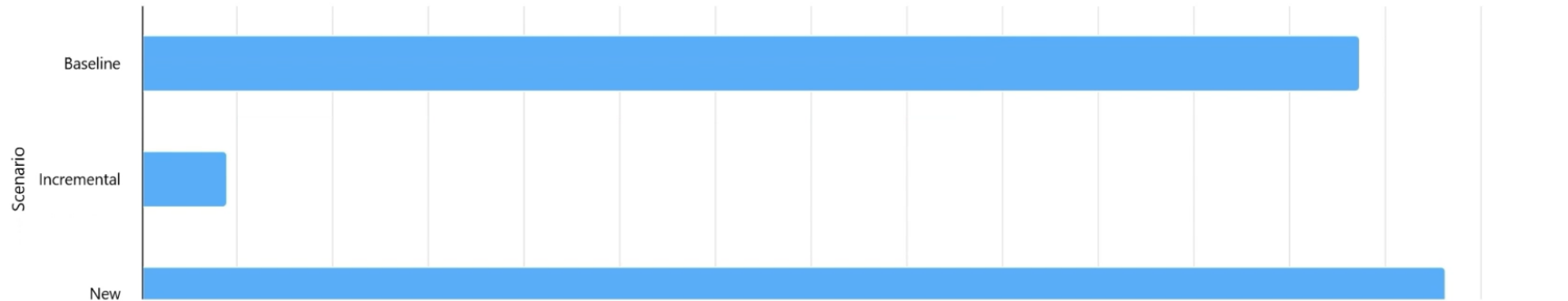
✓ Estimating Additional Product 1 Potential >

✓ Data Visualization Setup >

If the **20 Europe sites that are not already maximizing additive** were to increase to the **target additive rate (1.4 kg/day)** and achieve the **+7% yield** best practice, the additional Product 1 that may be possible (based on their **mean Product 1 rate** over **2026-05-01T13:14:00 to 2026-06-01T13:14:00**) is:

- **+89.15 tonnes/day** incremental Product 1 (across the 20 sites)
- Baseline (these 20 sites): **1273.58 tonnes/day**
- New total: **1362.74 tonnes/day**

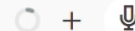
Product 1 uplift (not maximizing sites)



Add context

Ask me about Insights

Agent Q



Decision Capital



TIME — SMEs USING SEEQ



KELLY VAN DYKE
PRODUCT MANAGER





Six months earlier...

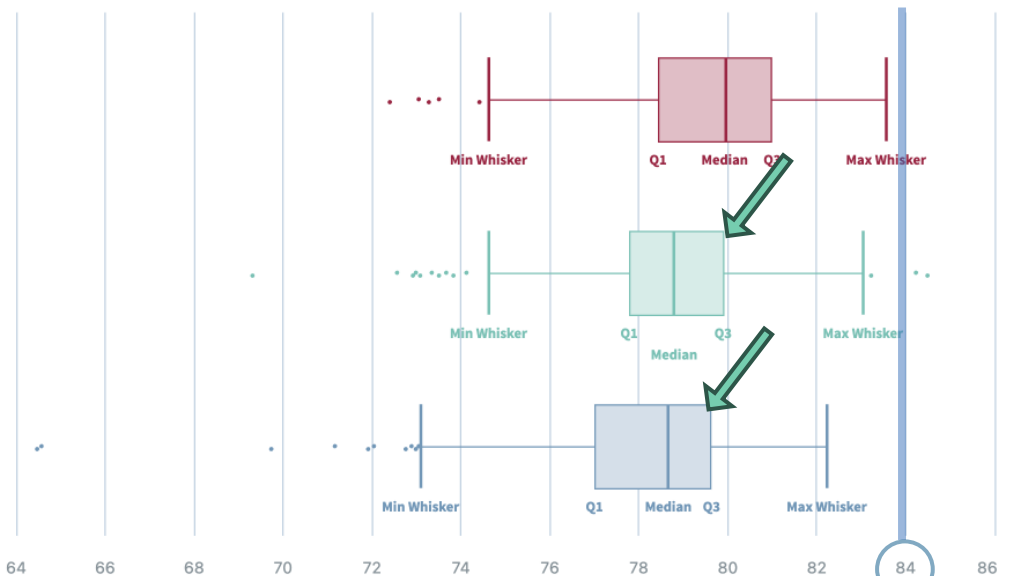
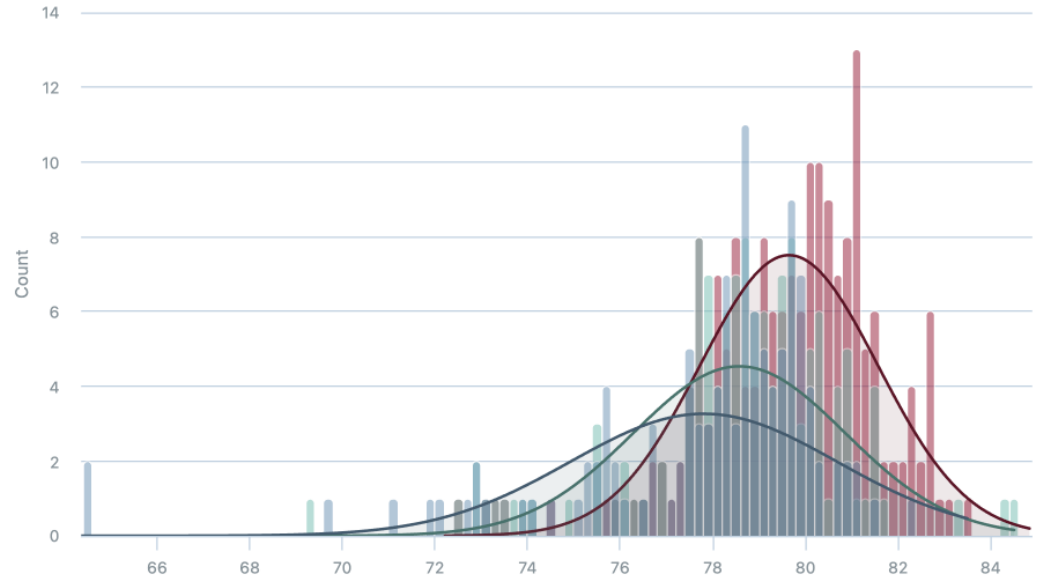
Trend Summary Report X Details Capsules

Overlay View Stats Baseline: Select baseline

Oct 2025 10/1/2025 5:11 AM - 10/31/2025 6:11 AM MDT
 Yield h
 High Feed

Nov 2025 11/1/2025 6:11 AM - 11/30/2025 5:11 AM MST
 Yield h
 High Feed

Dec 2025 12/1/2025 5:11 AM - 12/31/2025 5:11 AM MST
 Yield h
 High Feed



Statistic	Oct 2025	Nov 2025	Dec 2025
Descriptive Statistics			
Average	79.64	78.57	77.8
Count	181	130	118
Maximum	83.57	84.5	82.22

Statistics: Available Now



Trend Summary Report X Details Capsules

Worksheets

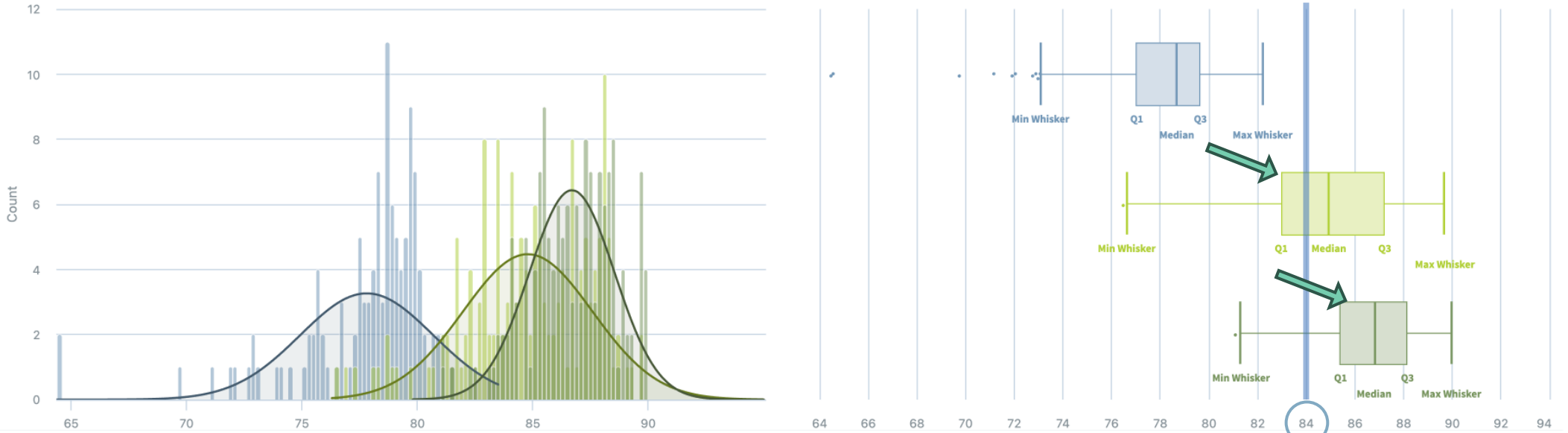
Baseline: Select baseline

Dec 2025
 12/1/2025 5:11 AM - 12/31/2025 5:11 AM MST
 Yield h
 High Feed

Jan 2026
 1/1/2026 5:11 AM - 1/31/2026 5:11 AM MST
 Yield h
 High Feed

Feb 2026
 2/1/2026 5:11 AM - 2/28/2026 5:11 AM MST
 Yield h
 High Feed

Yield Target: 84



Statistic	Dec 2025	Jan 2026	Feb 2026
Descriptive Statistics			
Average	77.8	84.78	86.69
Count	118	157	149
Maximum	82.22	89.67	89.95

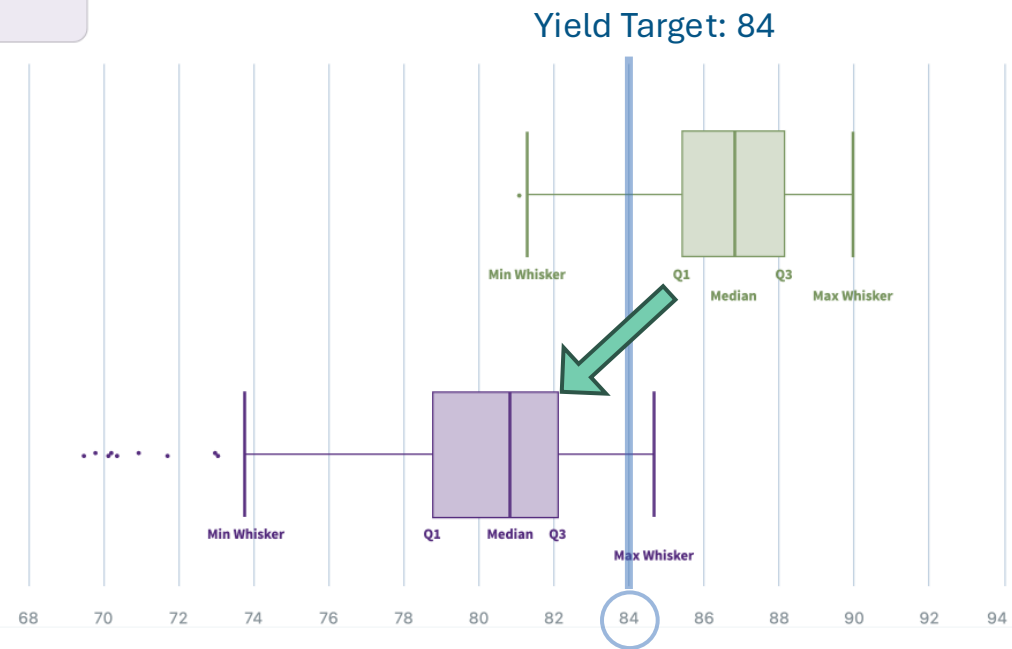
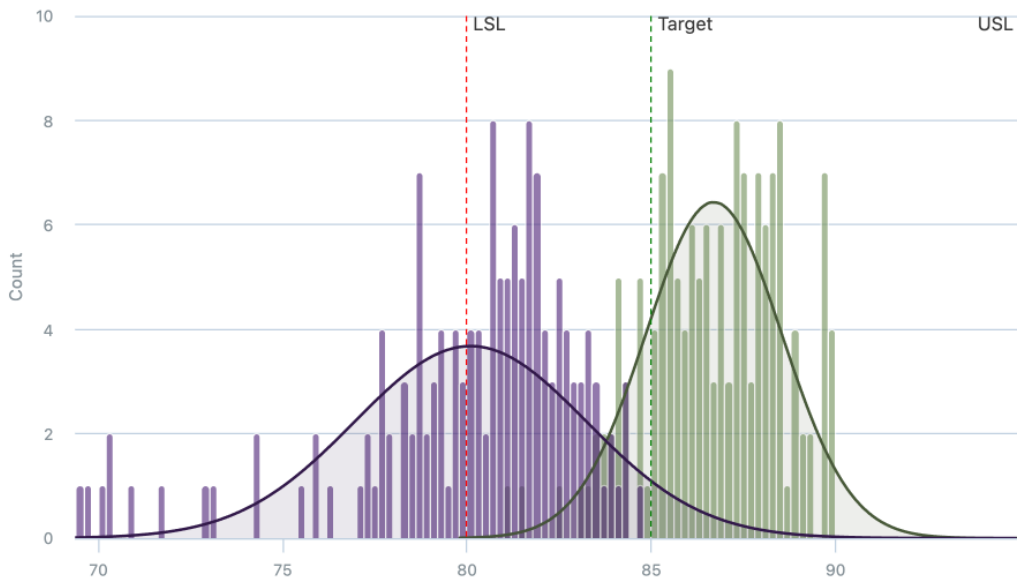
Statistics: Available Now

Trend Summary Report X Details Capsules

Baseline: Select baseline

Feb 2026
 2/1/2026 5:11 AM - 2/28/2026 5:11 AM MST
 Yield h
 High Feed

Mar 2026
 3/1/2026 5:11 AM - 3/31/2026 5:11 AM MDT
 Yield h
 High Feed



Statistic	Feb 2026	Mar 2026
Descriptive Statistics		
Average	86.69	80.09
Count	149	145
Maximum	89.95	84.65

Statistics: Available Now

Trend | Summary Report X | Details | Capsules

Worksheets

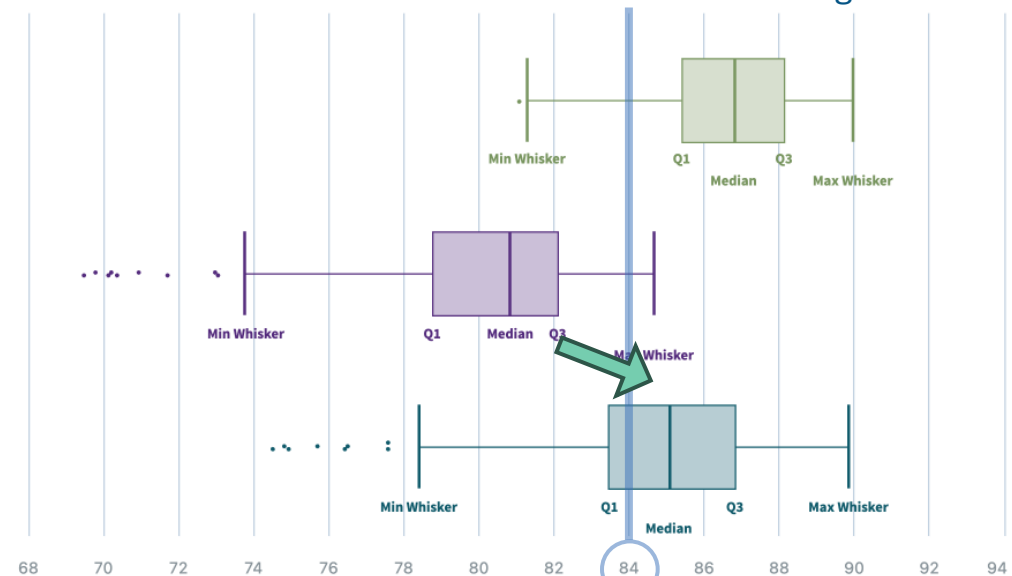
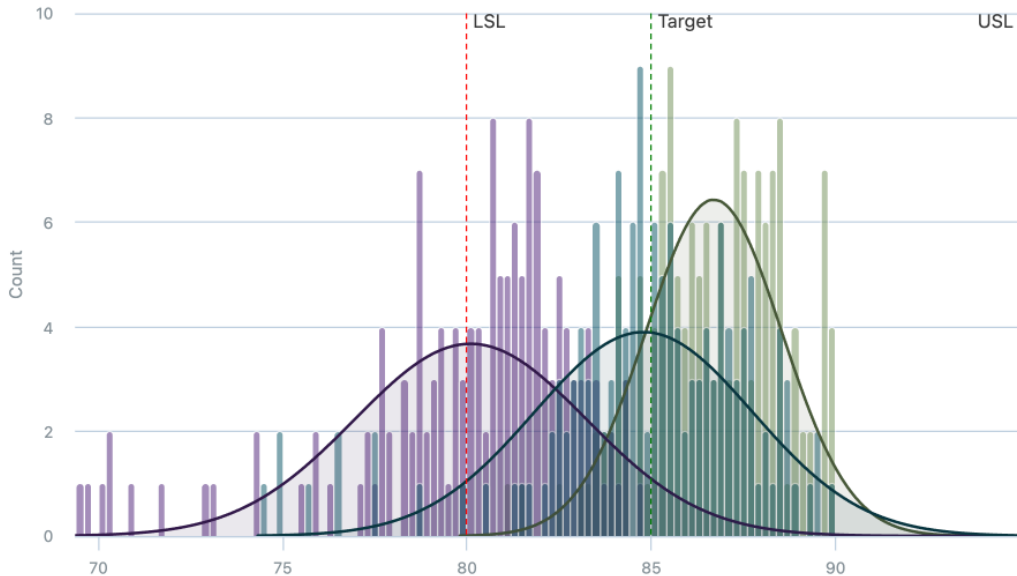
Overlay View Stats Baseline: Select baseline

Feb 2026
 2/1/2026 5:11 AM - 2/28/2026 5:11 AM MST
 Yield h
 High Feed

Mar 2026
 3/1/2026 5:11 AM - 3/31/2026 5:11 AM MDT
 Yield h
 High Feed

Apr 2026
 4/1/2026 5:11 AM - 4/30/2026 5:11 AM MDT
 Yield h
 High Feed

Yield Target: 84



Statistic	Feb 2026	Mar 2026	Apr 2026
Descriptive Statistics			
Average	86.69	80.09	84.79
Count	149	145	145
Maximum	89.95	84.65	89.84

Statistics: Available Now

Isolated Projects. Siloed Insights.



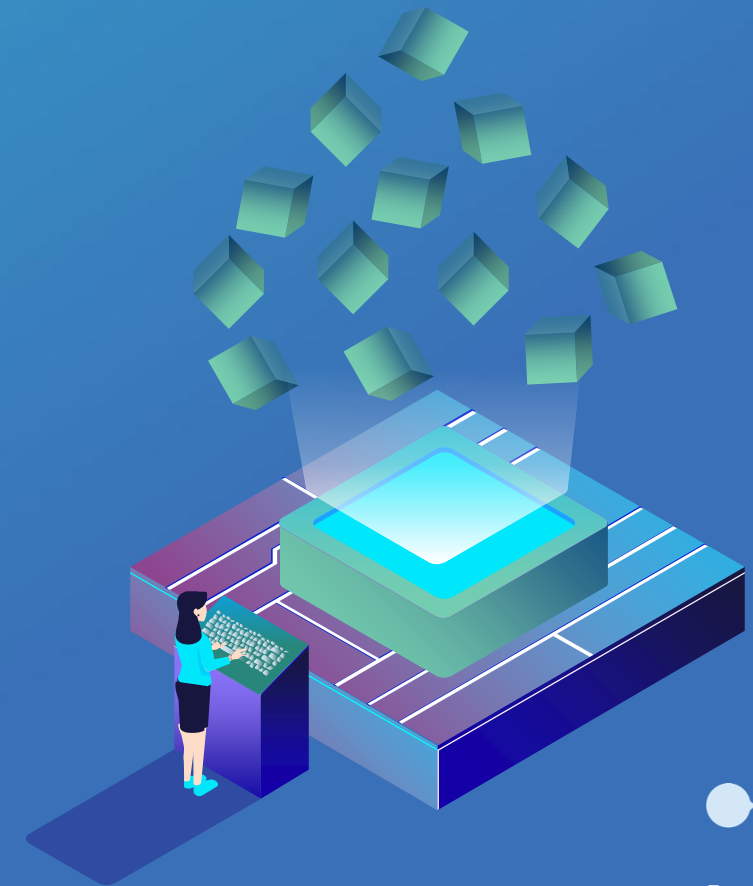
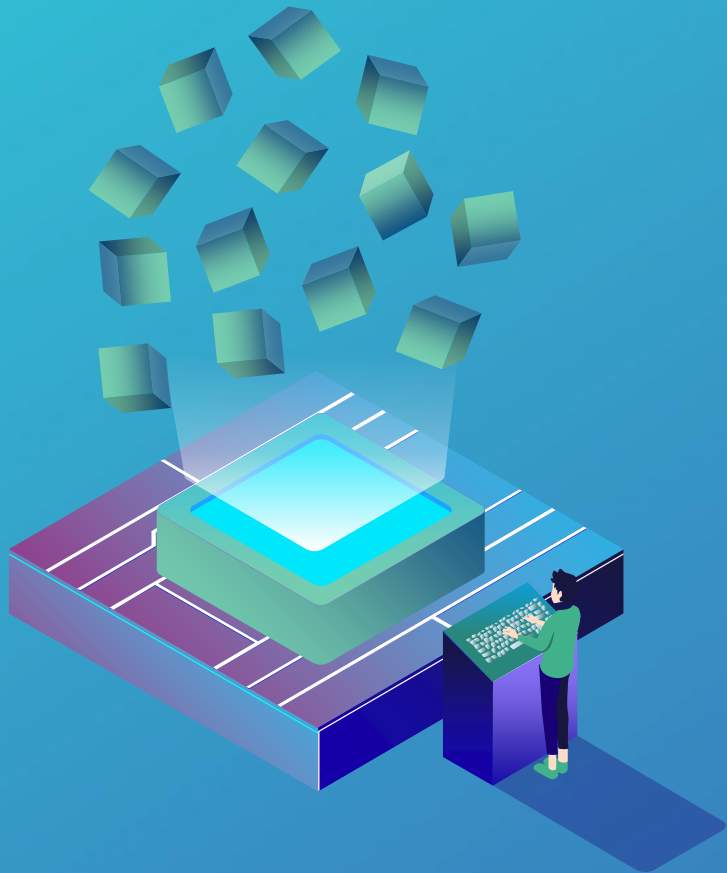
Isolated Projects. Siloed Insights.





 **Templates: Available Now**

**Focus on innovation,
not repetition.**



Phoenix, AZ



Global Monitoring Team



ACME
CORPORATION



← Grid Sites With Details 🔍 Edit search 🏠 Create tree ➕ Add column ✎ Edit column 👤 Ancestor A Constant ↺ Delete

Columns

Trees (1) Create

Structured by Sensor Type ✎ ?

Seeq Metadata

Trees

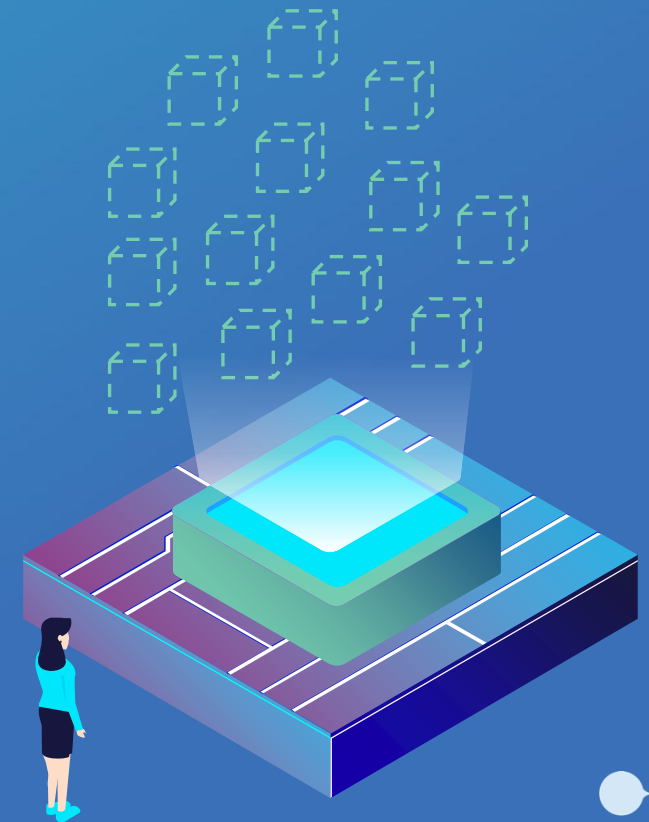
Search Items 1 ↑	Region 2 ↑	Country 3 ↑	City 4 ↑	Friendly Name ↕	Latitude ↕	Longitude
count	Africa	Algeria	Oran	Output	35.6971	-0.6
count	Africa	Algeria	Oran	Out3	35.6971	-0.6
count	Africa	Angola	Luanda	Output	-8.839	13.2
count	Africa	Angola	Luanda	Out3	-8.839	13.2
count	Africa	Benin	Cotonou	Out3	6.3703	2.39
count	Africa	Benin	Cotonou	Output	6.3703	2.39
count	Africa	Benin	Cotonou	Out2	6.3703	2.39
count	Africa	Benin	Cotonou	Chemical	6.3703	2.39
count	Africa	Benin	Porto-Novo	Out3	6.4969	2.62
count	Africa	Benin	Porto-Novo	Output	6.4969	2.62
count	Africa	Benin	Porto-Novo	Out2	6.4969	2.62
count	Africa	Botswana	Gaborone	Out3	-24.6282	25.9
count	Africa	Botswana	Gaborone	Output	-24.6282	25.9
count	Africa	Botswana	Gaborone	Out2	-24.6282	25.9
count	Africa	Botswana	Gaborone	Chemical	-24.6282	25.9
count	Africa	Burkina Faso	Ouagadougou	Output	12.3714	-1.5
count	Africa	Burkina Faso	Ouagadougou	Out3	12.3714	-1.5
count	Africa	Burkina Faso	Ouagadougou	Chemical	12.3714	-1.5

Column Visibility

COMING SOON Tree Builder: Available Q3



Crowdsourced Context. No code required.



Worksheets

Trend **Scaling Table Editor**

Grid icon Scaled Production Monitoring Search icon Edit search Plus icon Add column Pencil icon Edit column Hierarchy icon Descendant Hierarchy icon Ancestor fx icon Formula A icon Constant Settings icon Copy icon Refresh icon Delete Close

Columns	Search Items ↑	Chemical ↓	Feed ↓	Out2 ↓	Out3 ↓	Output ↓	Temperature ↓	ValvePos ↓
Abuja	📍	📄 ⓘ No Additive Injection	📄 Feed	-	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Addis Ababa	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Ahmedabad	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Albuquerque	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Alexandria	📍	📄 ⓘ Chemical	📄 Feed	-	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Amman	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Amsterdam	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Andorra la Vella	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Ankara	📍	📄 ⓘ Chemical	-	📄 Out2	📄 Out3	📄 Output	-	-
Ankara	📍	📄 ⓘ No Additive Injection	📄 Feed	-	-	-	📄 Temperature	📄 ValvePos
Antwerp	📍	📄 ⓘ Chemical	📄 Feed	-	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Arequipa	📍	📄 ⓘ Chemical	📄 Feed	-	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Ashgabat	📍	📄 ⓘ No Additive Injection	📄 Feed	📄 Out2	-	📄 Output	📄 Temperature	📄 ValvePos
Asuncion	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Athens	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Atlanta	📍	📄 ⓘ Chemical	📄 Feed	-	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos
Austin	📍	📄 ⓘ Chemical	📄 Feed	📄 Out2	📄 Out3	📄 Output	📄 Temperature	📄 ValvePos

Column Visibility

 **Scaling Tables: Available Now**

Decisions require more than just data.



Settings

Evidence Journal Conditions

Context

North America Constrained E... [Home]

5/3/2026 3:15 PM CDT - 5/16/2026 12:13 PM CDT

QuickTrend

- Pinned
- North America Constrained Events UN
- Mine
- NAMA Supply Chain Coordinator SD
- NAMA Maintenance Supervisor SD
- NAMA Environmental Team SD
- Other
- View 1 UN
- Condition, Region, City UN

Filter table...	Start	End	Duration	Feed	Supply Chain Action	Er nt
Querque (1)	May 12, 2026, ...	May 12, 2026, ...	00:33:41			
as (1)	May 13, 2026, ...	May 13, 2026, ...	01:10:48			
higher O2						
Multiple	Multiple	> Phoenix (13)	May 4, 2026, 7... May 13, 2026, ...	11:12:47	Multiple	
Multiple	Multiple	> Puebla (4)	May 6, 2026, 1... May 7, 2026, 9...	05:06:17		
		> Richmond (3)	May 4, 2026, 9... May 6, 2026, 1...	02:52:01		
Multiple	Multiple	> Roseau (11)	May 3, 2026, 6... May 14, 2026, ...	08:23:37	Multiple	
Low Feed Inventory	Low additive inventory. Need to pull forward next shipment to maintain max rates	> Seattle (1)	May 12, 2026, ... May 12, 2026, ...	00:47:16		

Currently selected: 1 City

History

Search timeline...

Yesterday at 6:31 PM
 Process Engineer
 May 12, 2026, 7:36 AM (US/Central) → May 12, 2026, 8:10 AM (US/Central)
 Capsule
 Constraint Details: Spare out for repairs. Running single pump on the production line

Today at 5:09 PM
 Site Engineer Van Dyke
 May 12, 2026, 7:36 AM (US/Central) → May 12, 2026, 8:10 AM (US/Central)
 Capsule

Review Bottleneck Constraint Details

Supply Chain Action Maintenance Action

Environmental Action

Submit

Vantage: Available Now



Settings

Evidence Journal Conditions

Context

North America Constrained E...

5/3/2026 3:15 PM CDT - 5/16/2026 12:13 PM CDT

QuickTrend

City X

Filter table...

Bottleneck	Constraint Details	City	Start	End	Duration	Feed	Supply Chain Action	Ernt
Pump Max	Spare out for repairs. Running single pump on the production line	> Albuquerque (1)	May 12, 2026, ...	May 12, 2026, ...	00:33:41			
Flue Gas Limit	Hitting furnace gas constraints due to running higher O2	> Dallas (1)	May 13, 2026, ...	May 13, 2026, ...	01:10:48			
Multiple	Multiple	> Phoenix (13)	May 4, 2026, 7...	May 13, 2026, ...	11:12:47		Multiple	
Multiple	Multiple	> Puebla (4)	May 6, 2026, 1...	May 7, 2026, 9...	05:06:17			
Multiple	Normal railcar station OOS. slowdown to set up temporary hoses	> Richmond (3)	May 4, 2026, 9...	May 6, 2026, 1...	02:52:01			
High Product Invento	Normal railcar station OOS. slowdown to set up temporary		May 4, 2026, 9...	May 4, 2026, 9...	00:35:48		4.25	

Currently selected: 3 Capsules

History

Search timeline...

(US/Central)

- Normal railcar station OOS. Constraint slowdown to set up temporary hoses
- Normal railcar station OOS. Constraint slowdown to set up temporary hoses
- Normal railcar station OOS. Constraint slowdown to set up temporary hoses

Review Bottleneck Constraint Details

Supply Chain Action Maintenance Action

Environmental Action

Enter a note by typing here...

Submit

Vantage: Available Now



Build the Foundation. Improve the efficiency.



Evidence Journal

Context

North America Constrained E... [Home]

5/18/2026 1:15 PM PDT - 5/28/2026 10:13 AM PDT

QuickTrend

City X

Filter table...

Bottleneck	Constraint Details	City	Start	End	Duration	Feed	Suppl Chain Action
Pump Max		> Miami (1)	May 19, 2026,...	May 19, 2026,...	00:34:57		
		▼ Minneapolis (1)	May 23, 2026,...	May 23, 2026,...	00:33:20		
			May 23, 2026,...	May 23, 2026,...	00:33:20	16.83	
Multiple	Multiple	> Monterrey (6)	May 19, 2026,...	May 28, 2026,...	05:27:48		Multip
		> Phoenix (8)	May 19, 2026,...	May 28, 2026,...	06:17:16		
		> Roseau (8)	May 18, 2026,...	May 27, 2026,...	05:32:14		
		▼ Washington (3)	May 23, 2026,...	May 26, 2026,...	01:41:20		
			May 23, 2026,...	May 23, 2026,...	00:30:45	8.76	
			May 25, 2026,...	May 25, 2026,...	00:30:06	4.82	
			May 26, 2026,...	May 26, 2026,...	00:40:28	5.47	

Currently selected: 1 City

History

Search timeline...

Last Tuesday

Process Engineer

Capsule

May 19, 2026, 7:28 AM (US/Pacific) → May 19, 2026, 8:01 AM (US/Pacific)

Storage tanks and rail cars full. Orders going out on Friday should clear up space.

- Flag
- Label
- Bottleneck
- Constraint Details
- Supply Chain Action
- Maintenance Action
- Environmental Action

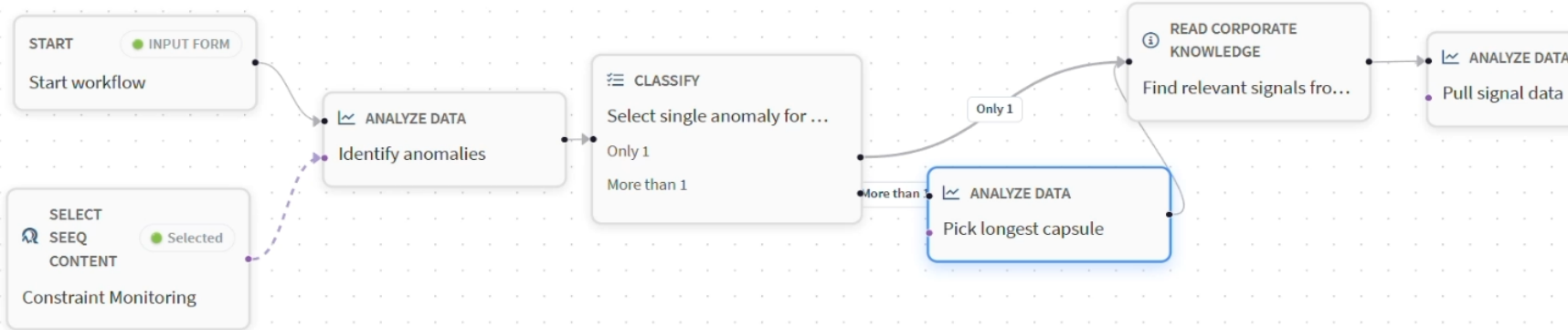
Submit

Agent Builder: Available Now



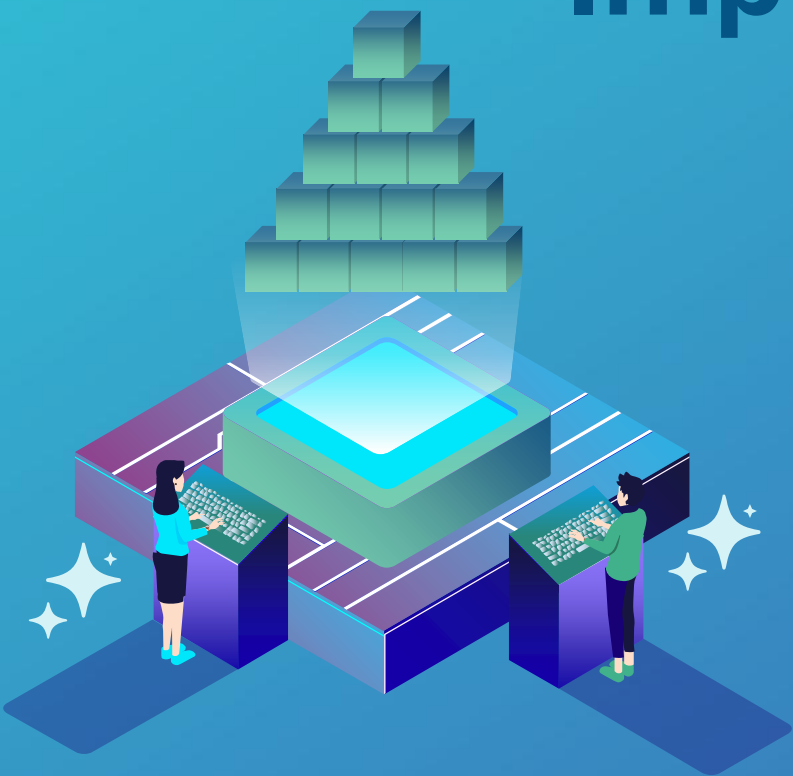
Search nodes...

- Core
 - Note
 - Add a sticky note for annotations.
 - Classify
 - Route the workflow based on a category.
 - Analyze Data
 - Analyze or pull data in a code environment.
 - Think
 - Think deeply about a problem or plan.
 - Respond
 - Stream a response directly to the Chat.
 - Send a Notification
 - Send a notification to specified users.
- Search & Read
- Create
- Edit



Agent Builder: Available Now

**Built the Foundation.
Improved the efficiency.**





STEVE EVANGELISTA

VP OF PRODUCT





Mark Derbecker

Here's to You!



Here's to You!

1.8M analytics created

Here's to You!

1.8M analytics created

2.8M conditions monitored

- **Accessible**
- **Scalable**
- **Deep Insight**
- **Across the Org**



The Anatomy of a Decision

Data



- Fast
- Trusted
- Discoverable

Context



- What changed
- Past similarities
- Expected consequences

Collaboration



- Call and Talk
- Email and Chat
- Walk the line, together

The Anatomy of a Decision

Data



- Fast
- Trusted
- Discoverable

Context



- What changed
- Past similarities
- Expected consequences

Collaboration



- Call and Talk
- Email and Chat
- Walk the line, together

The background of the image is a grid of microscopic cell images, likely from a time-lapse study. Each cell is roughly square-shaped with a central nucleus. The color of the cells transitions from a dark blue on the left to a lighter teal on the right. The text "One year later..." is overlaid in the center in a white, bold, sans-serif font.

One year later...

Settings

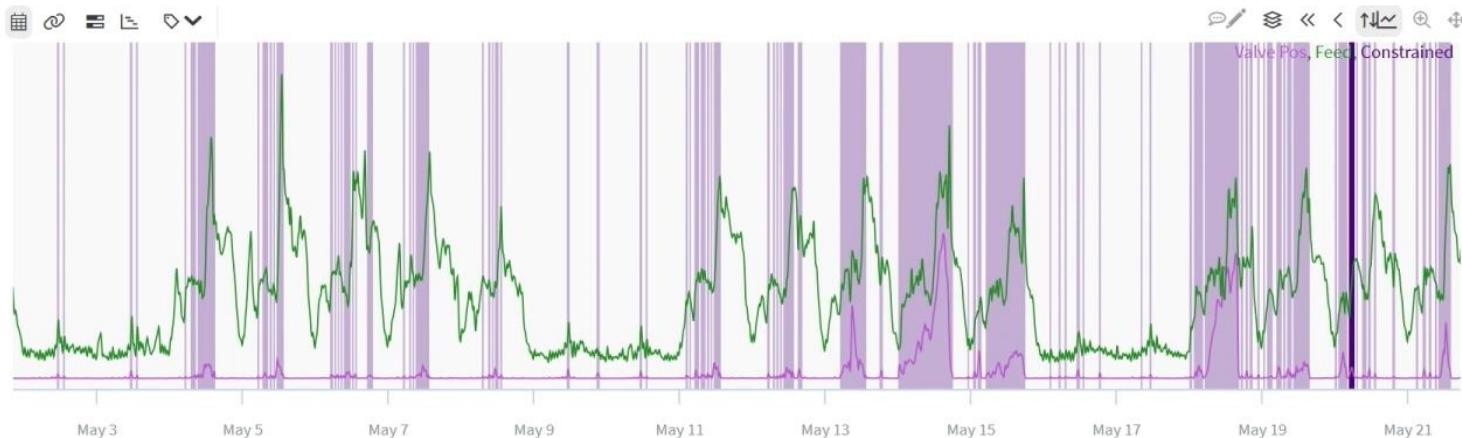
Evidence Journal

AI Assistant

Nottingham Constrained

5/1/2026 8:15 PM UTC - 5/21/2026 5:13 PM UTC

QuickTrend



Condition Name X > Region X > City X Filter table...

Condition Name	Region	City	Start ↓	End	Duration	Feed
	Europe	Nottingham				
▼ Constrained (88)			May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
▼ Europe (88)			May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
▼ Nottingham (88)			May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
			May 20, 2026, 4:25 AM	May 20, 2026, 6:26 AM	02:00:52	139.40
			May 20, 2026, 12:32 AM	May 20, 2026, 3:56 AM	03:23:50	108.17
			May 19, 2026, 11:49 PM	May 20, 2026, 12:29 AM	00:39:56	61.04
			May 19, 2026, 9:44 AM	May 19, 2026, 3:34 PM	05:50:40	215.03



Agent Q

I specialize in providing answers to general aspects of Seeq.

What can you do for me?

Production
What was the production the first week of the month?

Process Events
What events occurred yesterday?

Add context

Ask me about Insights

Agent Q

Vantage: Available Now



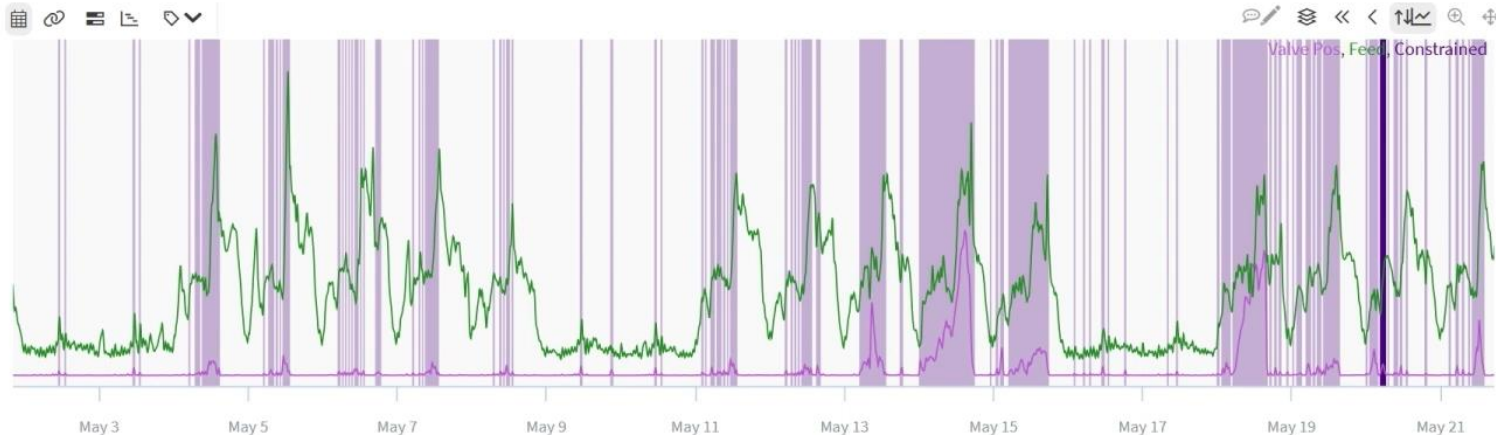
Settings

Evidence Journal

Nottingham Constrained

5/1/2026 8:15 PM UTC - 5/21/2026 5:13 PM UTC

QuickTrend



Condition Name X Region X City X Filter table...

Condition Name : Region : City : Start ↓ : End : Duration : : Feed :

Condition Name	Region	City	Start ↓	End	Duration	Feed
	Europe	Nottingham				
▼ Constrained (88)			May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
	▼ Europe (88)		May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
		▼ Nottingham (88)	May 2, 2026, 10:45 AM	May 21, 2026, 2:07 PM	6 days 12:39:08	
			May 20, 2026, 4:25 AM	May 20, 2026, 6:26 AM	02:00:52	139.40
			May 20, 2026, 12:32 AM	May 20, 2026, 3:56 AM	03:23:50	108.17
			May 19, 2026, 11:49 PM	May 20, 2026, 12:29 AM	00:39:56	61.04

Context

Currently selected: 1 Capsule

History

Search timeline...

Today at 2:05 PM

Process Engineer

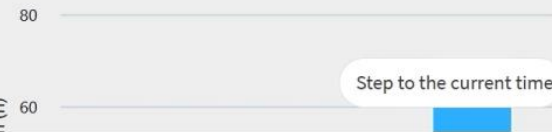
Capsule

May 20, 2026, 4:25 AM (UTC) → May 20, 2026, 6:26 AM (UTC)

[Added by Agent Q] Nottingham "Constrained" (May 1-May 21) — duration week over week

Summary: Total constrained duration increased week over week across this window (May 1-7 → May 8-14 → May 15-21), with the middle week having fewer but longer events, and the final week having both more events and more total duration.

Constrained events duration



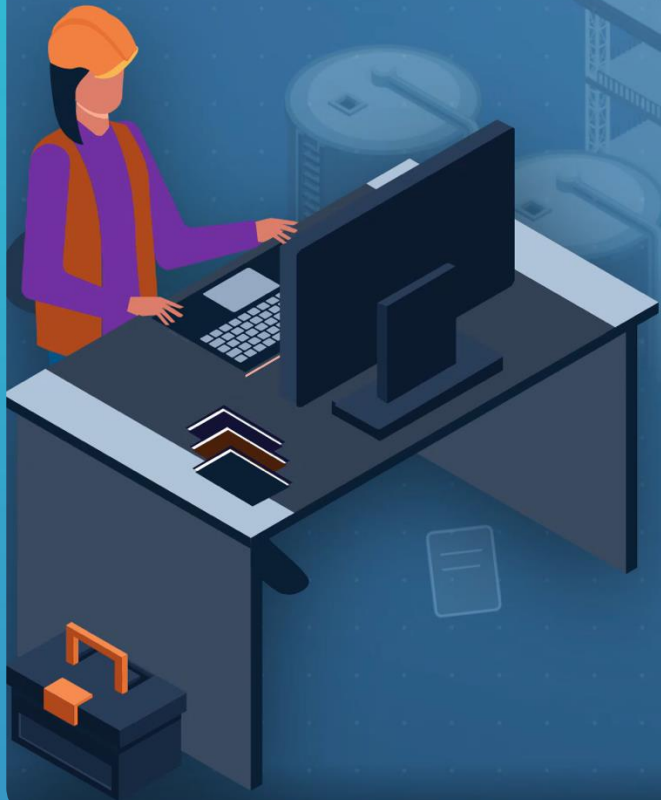
- Flag
- Label
- Bottleneck
- Constraint Details
- Supply Chain Action
- Maintenance Action
- Environmental Action

Enter a note by typing here...

Submit

 Vantage: Available Now

Incident investigation: the first 28 hours



DAY 1

9:03 AM

+0h elapsed



Settings
Journal

Evidence



Condition Name	Region	Min	Max	Resolution
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+
+	+	+	+	+

Context

Currently selected: 1 Capsule

History

Search timeline...

Total Duration

Investigate in a new workbench

Open source workbench

Open in Sightline

Yesterday at 7:52 PM
Process Engineer

Capsule

May 20, 2026, 8:49 AM (UTC) → May 20, 2026, 10:18 AM (UTC)

Shift Supervisors any process changes recently leading to higher than normal constrained durations? I'm seeing a step change after May 9th.

Yesterday at 7:53 PM
Shift Supervisors

Capsule

May 20, 2026, 8:49 AM (UTC) → May 20, 2026, 10:18 AM (UTC)

Process Engineer - May 10th night shift switched to a new additive. It seems to line up with your timeline...

Yesterday at 7:54 PM
Process Engineer

Capsule

May 20, 2026, 8:49 AM (UTC) → May 20, 2026, 10:18 AM (UTC)

Great. I'll dig into that and confirm if it is causing any other issues.

- Flag
- Label
- Bottleneck
- Constraint Details
- Supply Chain Action
- Maintenance Action
- Environmental Action

Enter a note by typing here...

Submit

10 suggested context items based on your frame summary, tags, and related assets. Click + to add to the canvas, or expand to preview. Refresh suggestions

Seeq 6 From past frames, Workbench, models & journals

FRAME-1842 — Phoenix yield decline traced to additive quality (closed Apr 2026)
Closed Apr 2026 · Phoenix
88% tag-pattern match — same "additive quality changed" narrative on a different specialty polymer line. Yield was recovered via a temperature handle while procurement re-sourced the additive; statistical analysis confirmed the new additive returned the process to target.

FRAME-1923 — K-2010 compressor surge investigation
Closed Mar 2026
62% tag-pattern match — flagged because of similar Constrained-condition tags, but on a different unit (U410) and asset. Likely unrelated.

FT-3208 · AF-22 additive flow rate
Workbench Analysis
Volumetric dose rate is steady, but the new AF-22 lot is 15% more viscous — actual mass dosing may be under-target.

U312 Constrained-duration anomaly model
fx Template · v2.0
Flagged the trend reversal on May 12 with 0.91 confidence — 4 days before operator escalation.

Extended-constraint production loss estimate
Impact Report · Auto

FRAME-2087 Investigating S2 P3

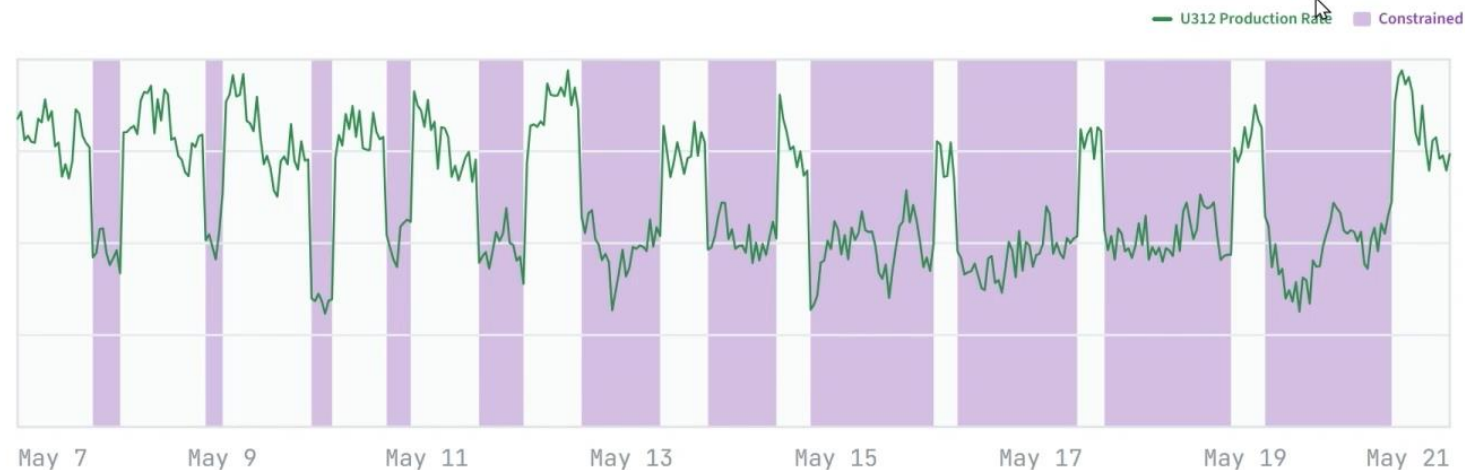
Nottingham: Frequent constraint events May 11–May 20 2026

Constrained capsules on the Unit 312 specialty polymer line at Nottingham have grown from a typical 20–40 min, ~2/week before May 11, to multi-hour events nearly every shift. Mean Constrained-capsule duration over the last 7 days is 4.2 h against a 32-minute 90-day baseline, with capsule frequency rising from ~2/week to daily. No SIS trips, no alarm bypasses, no quality holds. Investigating.

Process Engineer Due May 25, 2026 Opened May 18, 2026 · 06:14 GMT Unit 312 / Cooling & additive skid · Nottingham

U312 Production Rate · Constrained capsules · 14-day view

May 7 → May 21 (14 days)



AI GENERATED Constrained capsules cluster heavily from May 11 onward — mean duration 4.2 h vs the 32-minute 90-day baseline, with capsule frequency rising from ~2/week to daily. No SIS trips, no alarm bypasses, no quality holds.

Comments 2




Sightline: Lighthouse Soon


External 4

Documents, drawings & vendor manuals


 **MOC-2026-0314 — Additive supplier change (closed May 10)** +


 SAP MOC Module

 Approved supplier swap for AF-22 additive. First dose of the new product entered service on May 10 18:00 GMT — exactly when capsule duration starts climbing.


 **PID-U312-CW-04 — E-3120 cooling exchanger** +


 AutoCAD · Engineering

 P&ID for E-3120 cooling-water service. Shows the additive injection skid upstream of the shell-side inlet.


 **U312 recent constraint event log — 14-day rollup** +

 OSI Operations · Event log

 Operations event log shows 11 Constrained capsules since May 10 (vs 3 in the prior 14-day window) and three E-3120 hose-down entries.

 **LIMS QA-3098 — U312 daily quality drift (May 12–20)** +

 LIMS · Quality Assurance

 Daily QA shows monotonic drift on MFI, residual monomer, and color since May 12. All values are still in spec, but the trend is unambiguous.



Sightline: Lighthouse Soon

Reactor unit



Seeq **APP** Today 9:14 AM



⚠ Nottingham: Frequent constraint events May 11–May 20, 2026

Reactor Unit

● **Constraint event pattern change detected since May 11**

Constrained capsules on the Unit 312 specialty polymer line at Nottingham have grown from a typical 20–40 min, ~2/week before May 11, to multi-hour events nearly every shift. No SIS trips, no alarm bypasses, no quality holds. Investigating.

[↗ View analysis in Seeq →](#)

5 replies · Thread

Replying to Seeq in #Reactor unit

Reply to thread...



10 suggested context items based on your frame summary, tags, and related assets. Click + to add to the canvas, or expand to preview. Refresh suggestions

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Extended-constraint production loss estimate Impact Report · Auto

Operator turnover note — May... Journal · Lin K.

"21:48 — U312 Constrained band returned 5h 50m after the previous one ended. TE-3122 climbed to 51.4°C against a ~44°C baseline. 22:14 — opened utility hose on shell-side inlet head of E-3120; held for ~18 min. Approach temp dropped ~3°C, U312 came off Constrained at 22:51. Third hose-down this week — flagging for engineering."

Lin K. · Night shift operator · May 20 22:55 GMT

AI GENERATED Includes the May 20 hose-down timeline on E-3120 and a request for engineering review.

MOC-2026-0314 — Additive suppl... SAP MOC ModuLe

Table with 2 columns: Field (MOC #, Title, Opened, Closed, Change) and Value (MOC-2026-0314, AF-22 additive supplier change, May 8, 2026 · Marco Vega (Procurement), May 10, 2026 · 18:00 GMT, Sentinel Chemicals → Chimera Specialty Ltd)

AI GENERATED Approved supplier swap for AF-22 additive. First dose of the new product entered service on May 10 18:00 GMT — exactly when capsule duration starts climbing.

Teams thread · Reactor unit Process Eng

Teams thread interface showing 'Process Eng / Reactor unit' with 4 replies, 4 people, and 6 reactions. Includes 'LIVE' indicator and 'Open in Teams' link.

Add more evidence to this frame Review AI suggestions (7 remaining)

Comments 2

Sightline: Lighthouse Soon



Status Evidence 7 History

Insert Export

STATE
Open Investigating Resolved

SEVERITY PRIORITY
S2 - High P3 - Medium

FRAME #
FRAME-2087

ASSIGNEE
Process Engineer Process Eng

DUE OPENED
May 25, 2026 May 18, 2026 · 06:14 GMT

TAGS - 3
Unit 312 X Constraint X Nottingham X + Add tag

EXTERNAL LINKS - 1
Reactor unit Process Eng · Thread started just now Sync

Operator turnover note — May... Journal · Lin K.

MOC-2026-0314 — Additive suppl... SAP MOC ModuLe

Work Notification created
SAP S/4HANA · Plant Maintenance · prod-eu-1

WN-20176 is live in SAP
Linked to FRAME-2087. Status & comments will sync both ways.

WORK NOTIFICATION
WN-20176 [Open in SAP](#)

U312 cooling exchanger fouling — inspect & clean E-3120 shell-side; correlate to MOC-2026-0314 dosing change. Linked to FRAME-2087.

Nottingham Specialty Chemicals PM-MECH-U312 2 — High
Sync on

Captured in frame history [Done](#)

MOC #	MOC-2026-0314
Title	AF-22 additive supplier change
Opened	May 8, 2026 · Marco Vega (Procurement)
Closed	May 10, 2026 · 18:00 GMT
Change	Sentinel Chemicals → Chimera Specialty Ltd

Approved supplier swap for AF-22 additive. First dose of the new product on May 10 18:00 GMT — exactly when capsule duration starts climbing.

Comments 2

Add more evidence to this frame

 **Sightline: Lighthouse Soon**

Status Evidence 7 History

Insert Export

STATE
Open Investigating Resolved

SEVERITY PRIORITY
S2 - High P3 - Medium

FRAME #
FRAME-2087

ASSIGNEE
Process Engineer Process Eng

DUE OPENED
May 25, 2026 May 18, 2026 - 06:14 GMT

TAGS - 3
Unit 312 X Constraint X Nottingham X + Add tag

- EXTERNAL LINKS - 3
WN-20176 - U312 cooling exchanger fouling
Reactor unit
FRAME-2087 resolved - reverting AF-22 dosing to Add...

Operator turnover note - May... Journal - Lin K.
"21:48 - U312 Constrained band returned 5h 50m after the previous one ended. TE-3122 climbed to 51.4°C against a ~44°C baseline. 22:14 - opened utility hose on shell-side inlet head of E-3120; held for ~18 min. Approach temp dropped ~3°C, U312 came off Constrained at 22:51. Third hose-down this week - flagging for engineering."
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MOC-2026-0314 - Additive suppl... SAP MOC ModuLe
MOC # MOC-2026-0314
Title AF-22 additive supplier change
Opened May 8, 2026 - Marco Vega (Procurement)
Closed May 10, 2026 - 18:00 GMT
Change Sentinel Chemicals -> Chimera Specialty Ltd
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Teams thread - Reactor unit Process Eng
Process Eng / Reactor unit LIVE
4 REPLIES 4 PEOPLE 6 REACTIONS
SIGHTLINE AI - THREAD SUMMARY
Additive B replaced Additive A in production on May 11 - the same day constraint durations began climbing. Warehouse Manager reports plenty of totes of Additive A still in inventory; team is staged to revert next shift to isolate the variable.

FRAME-2087 resolved - Resolved - mitigated
View all Frames

Comments 2

Add more evidence to this frame

Decision Capital in use



MAR 2024 · COMPRESSOR A

Extended runtime — vibration normalized in 6 days

AUG 2024 · COMPRESSOR A

Throttled suction 5%, ran to turnaround
+ \$1.1M avoided downtime

JAN 2025 · COMPRESSOR A

Extended runtime — bearing inspected clean
+ \$920K avoided downtime

NOW · APR 2026

Compressor A vibration signature has reappeared. Pull for inspection, or extend runtime?

Seeq Intelligence recommends: **extend runtime, throttle suction 4–6%**. Confidence: **87%** based on 3 directly comparable prior decisions, all with positive outcomes totaling **\$2.91M** in avoided downtime.

DRAWING FROM 3 PRIOR DECISIONS · DECISION CAPITAL BALANCE NOW INFORMING THIS CALL

MAY 2024 · REACTOR R-302

Deferred regen 9 days — selectivity held within band

DEC 2024 · REACTOR R-302

Deferred regen 11 days — selectivity drift < 0.4%

AUG 2025 · SISTER REACTOR R-305

Same decline pattern — deferred 8 days, held
+ \$610K · pattern transfers across reactors

NOW · APR 2026

R-302 catalyst activity hit regen trigger. Take the unit down on schedule, or defer 8–12 days?

Seeq Intelligence recommends: **defer 9 days, tighten selectivity sampling to 4-hour cadence**. Confidence: **84%** based on 3 prior decline-curve patterns, all deferred safely with selectivity held in-band.

DRAWING FROM 3 PRIOR REGEN DECISIONS · 2 REACTORS, SAME CATALYST SYSTEM

SEP 2024 · BATCH FB-1907

DO trend deviation — increased feed rate, held at setpoint

FEB 2025 · BATCH FB-2058

Same DO signature — feed adjusted, hold extended 4 hours

NOV 2025 · BATCH FB-2161

DO + osmolality drift — adjusted setpoint, no hold

In-spec · released on schedule

NOW · MAY 2026

Batch FB-2204 shows the same DO trend deviation at hour 96. Adjust setpoint and continue, or scrap the batch?

Seeq Intelligence recommends: **adjust feed setpoint +6%, hold 2 hours, continue to harvest**. Confidence: **91%** based on 3 prior comparable batches, all released in-spec with comparable adjustments.

DRAWING FROM 3 PRIOR FED-BATCH RELEASES · VALIDATED BY PROCESS SCIENCE

JUL 2024 · GT-2A

Deferred borescope 14 days — dispatched into peak

AUG 2025 · GT-2A

Deferred 10 days — heat wave dispatch at \$210/MWh

JAN 2026 · GT-1A

Same age-profile, sister unit — deferred 12 days

+ \$1.4M margin · pattern transfers across fleet

NOW · MAY 2026

GT-2A scheduled borescope due. Take down now, or defer through forecast heat wave at \$180+/MWh?

Seeq Intelligence recommends: **defer 10–14 days, dispatch through peak, schedule borescope post-event**. Confidence: **88%** based on 3 prior deferrals across 2 turbines, all cleared inspection with no findings.

DRAWING FROM 3 PRIOR DEFERRAL DECISIONS · VISIBLE TO RELIABILITY, OPERATIONS, AND TRADING DESK



How is Phoenix production higher than plan?



Agent Q

Thought Gathering production data >

Discovering Seeq Context for Phoenix Production >

Analyzing Phoenix Production Performance >

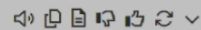
Phoenix is higher than plan because a **yield improvement (not necessarily higher feed rate)** has been implemented and documented for the Phoenix site.

From the Phoenix Impact Report “7% Increase in yield” (tested in **May 2026**):

- When **feed rates were elevated**, operators **increased both reactor temperature and additive rate**, which resulted in a [7% Increase in yield](#)
- The documented recommended targets were:
 - **Additive rate: 1.4 kg/d**
 - **Temperature: > 600°F**
- This improvement is already quantified in the Impact Report as **\$200,000**.



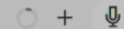
View all files



Add context

Ask me about Insights

Agent Q



The background is a dense, repeating pattern of stylized, five-petaled flowers. The flowers are rendered in various shades of blue and purple, with some appearing lighter and others darker, creating a textured, almost painterly effect. The petals are rounded and slightly irregular, and each flower has a small, light-colored center. The overall composition is a grid of these floral motifs, filling the entire frame.

A little later...

Workspace > Frames

Frames 247 total

Export Saved views **New frame**

All **247** Open 42 Investigating 18 Resolved 187

Search frames, units, tags... Assignee 2 Unit Tags More

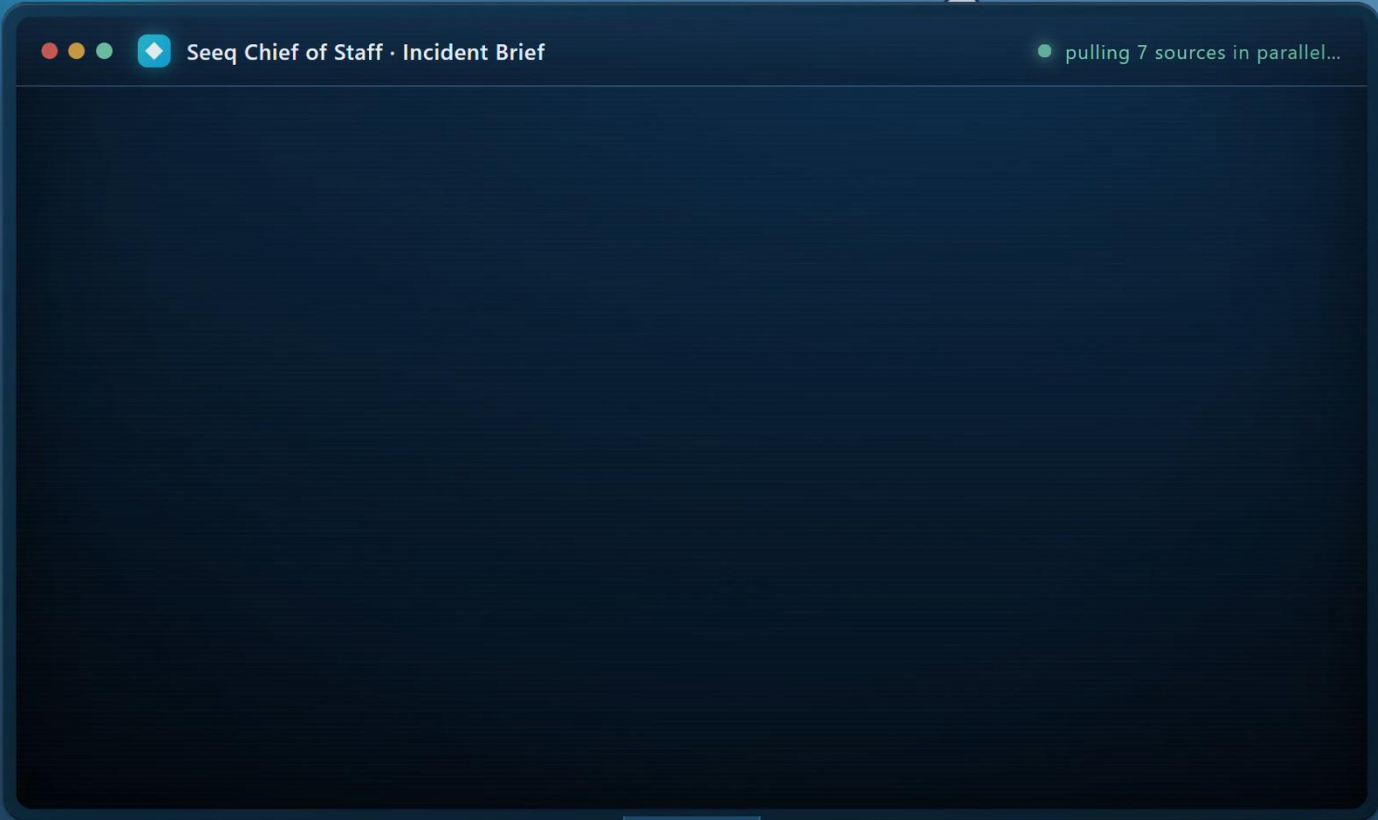
FRAME #	STATUS	SEVERITY	PRIORITY	ASSIGNEE	LAST UPDATED
FRAME-2087 Nottingham: Frequent constraint events May 11–May 20 2026	Resolved	S2	P3	Process Engineer	42 min ago
FRAME-2086 Baytown F-203 firebox TIs reading 18°C above sister units	Investigating	S1	P1	A. Patel	12 min ago
FRAME-2085 Rotterdam: Coker drum cycle time +9 hr since exchanger swap	Investigating	S2	P2	M. Chen	1 hr ago
FRAME-2084 Houston Olefins: C-301 furnace COT drifting low post-shutdown	Open	S3	P3	D. Okafor	3 hr ago
FRAME-2083 Geismar: Compressor K-2A surge margin trending into alarm band	Resolved	S2	P2	Process Engineer	Yesterday
FRAME-2082 Pasadena: Wastewater TOC excursion correlated with batch 4421	Open	S4	P4	Unassigned	Yesterday
FRAME-2081 Antwerp: Crude unit overhead naphtha endpoint exceeding spec	Investigating	S1	P1	J. Schmidt	2 days ago
FRAME-2080 Singapore: Reactor R-101 yield down 1.4% since catalyst load	Resolved	S3	P3	L. Rivera	2 days ago
FRAME-2079 Karratha: Train-2 LNG production rate -3.5% over rolling 30-day	Open	S2	P2	K. Holm	3 days ago
FRAME-2078 Nanjing: Polymer line P-2 melt index drifting outside control	Resolved	S2	P3	M. Chen	4 days ago
FRAME-2077 Cooper plant: Tower-3 lift gas H2S surge during MOC trial	Resolved	S3	P3	A. Patel	5 days ago
FRAME-2076 Pasadena: PSV release on V-401 — root cause review	Investigating	S2	P2	D. Okafor	6 days ago

Showing 1-12 of 247 frames

Navigation icons: back, forward, page 1 / 21, search

 **Sightline: Lighthouse Soon**

Bringing the **context** to you: An expertly researched briefing



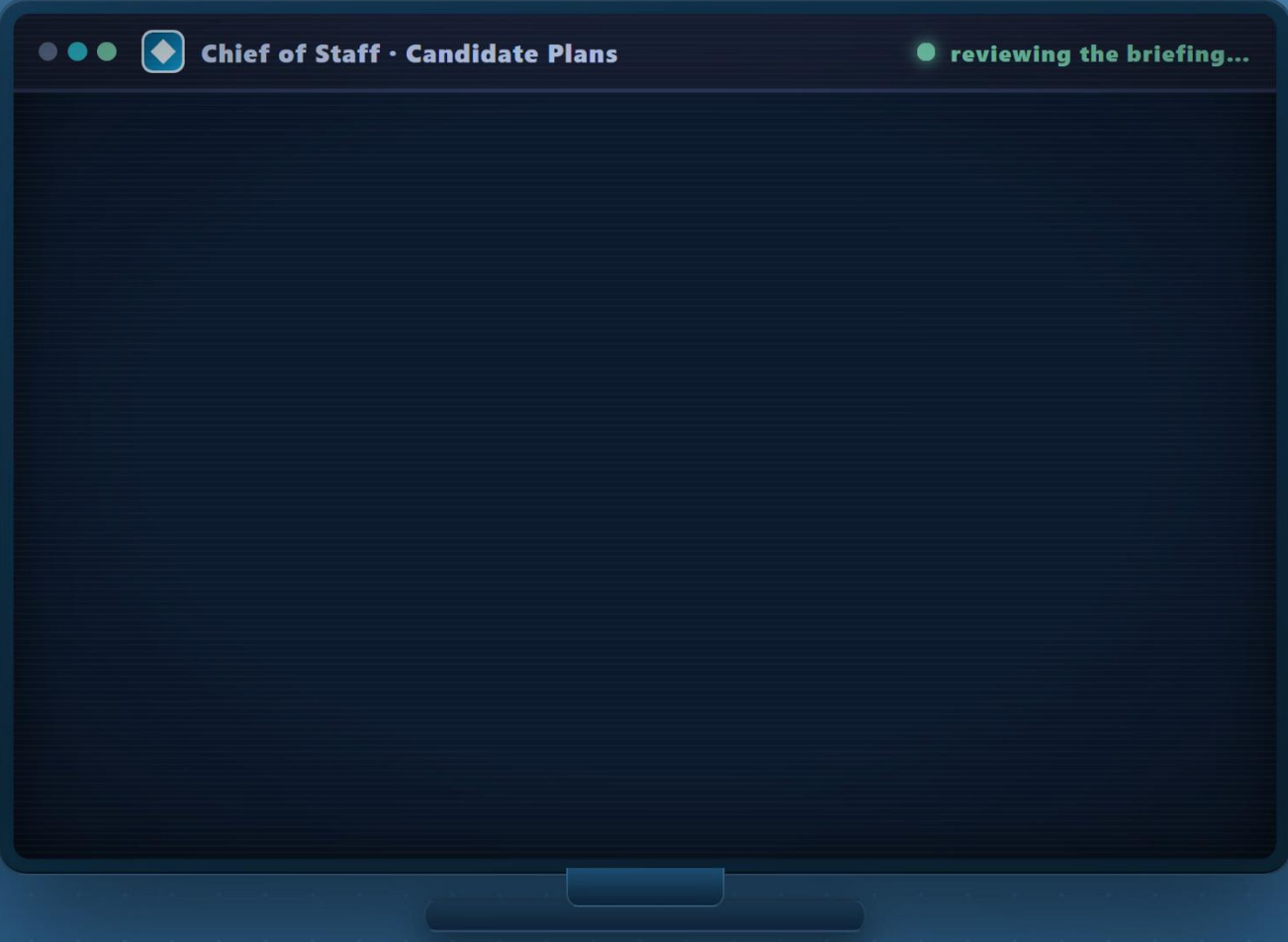
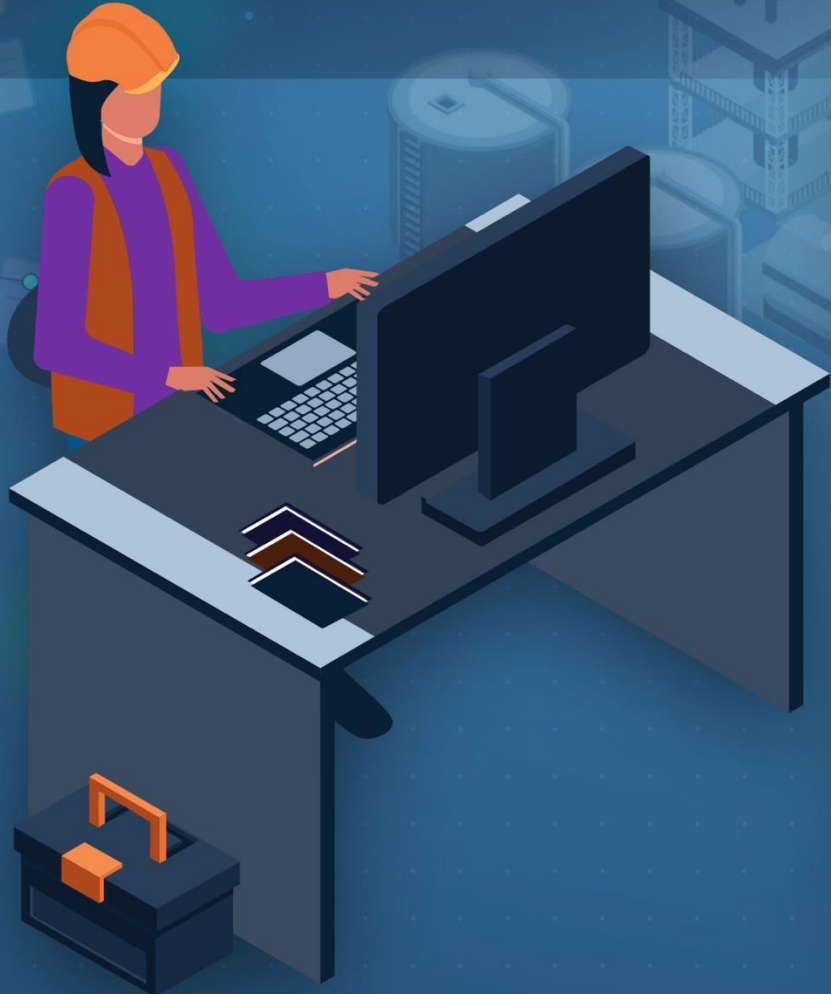
00:00.3

CoS BRIEFING **PULLING**

briefing in **02:48** - vs 28h manual



**From research to options:
Chief of Staff speeds up your time to action.**



Decision Capital



TIME — SMEs USING SEEQ



DUSTIN JOHNSON
FOUNDING PARTNER
CHIEF TECHNOLOGY OFFICER



Seeq[®] + intel

Innovating Together



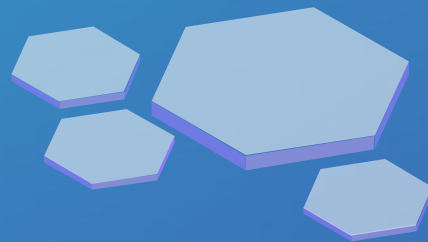
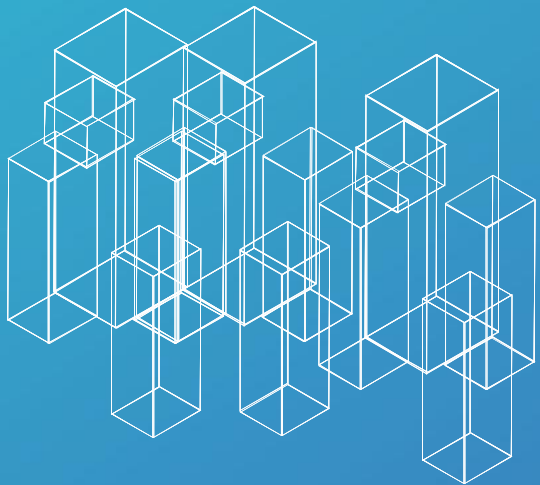
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SAMPATHKUMARAN**

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Talking Technology



- 1. More, Better, Faster**
- 2. Ecosystem**
- 3. Connect to context & action**
- 4. Knowledge capture**
- 5. AI accelerated, Fact validated**

Better Data-Driven Decisions