



SeeQ

connect





AI
Trailblazer



Seeq Vantage for Industrial Enterprise Monitoring with Special Guest from UOP

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Seeq

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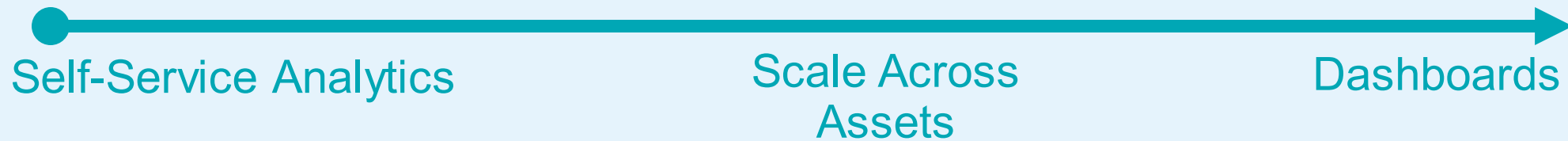
Digital Innovation and Implementation Leader

UOP

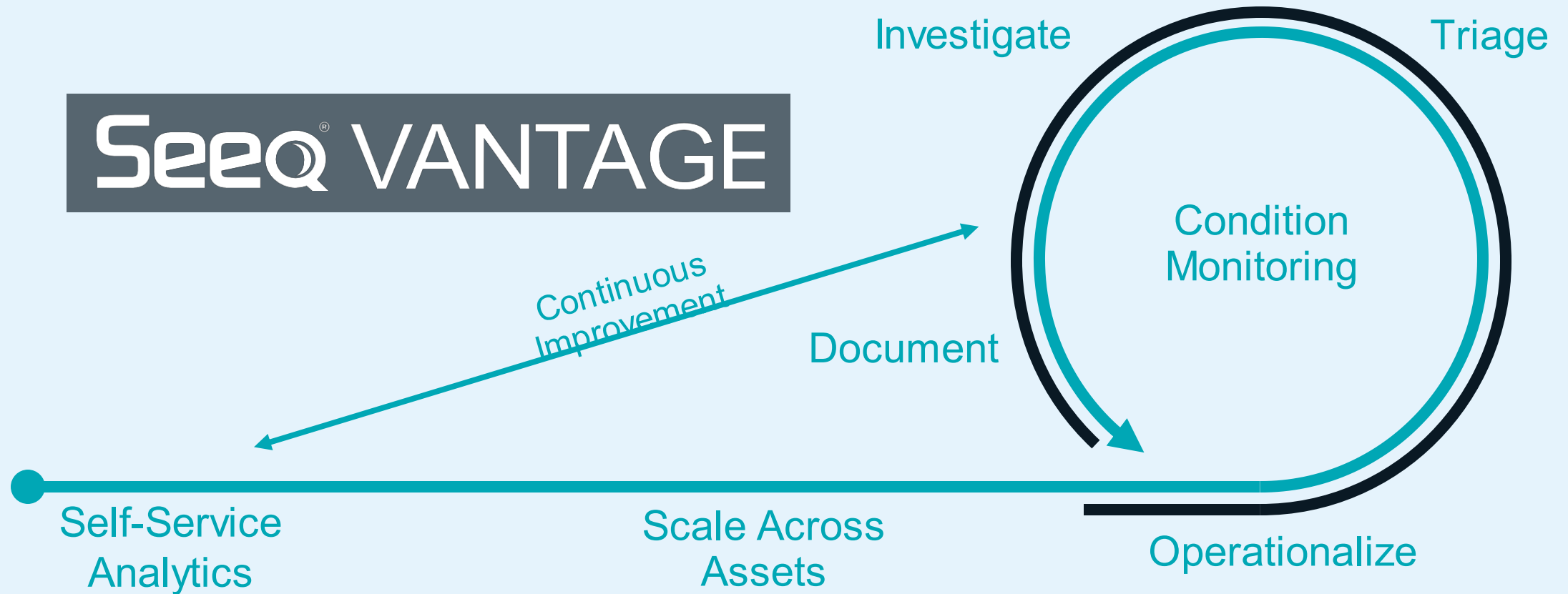
connect



What is Industrial Enterprise Monitoring™?

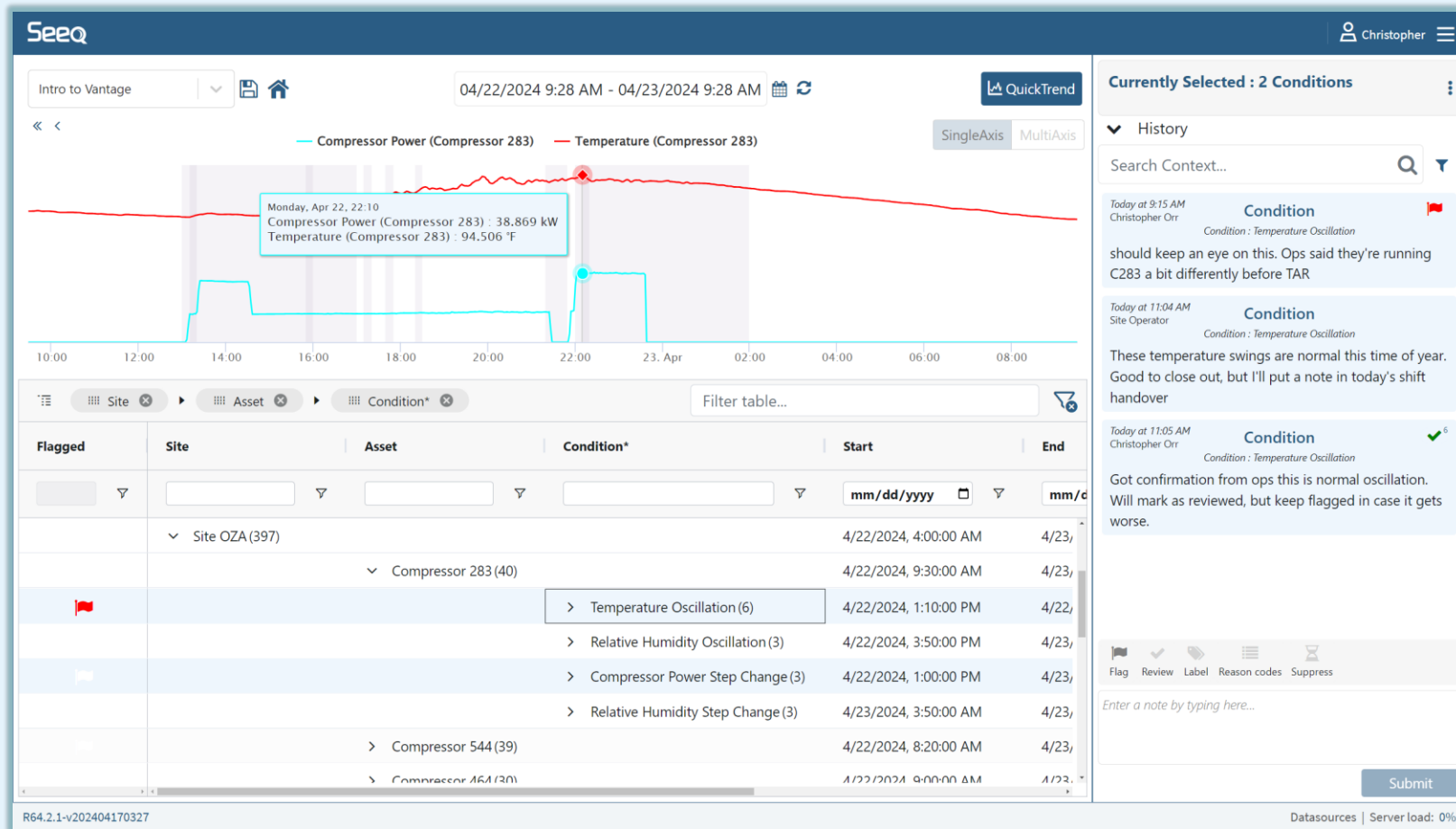


Industrial Enterprise Monitoring™ Reality



What is SeeQ VANTAGE

Elevate and prioritize events from across the Seeq platform...



...investigated and
actioned by SMEs...



...informing impactful decisions

Early Adopter Success



130+ complex assets

“Spend time on insights, not data collection and preparation.”

– Digital Innovation and Implementation Leader,
Honeywell UOP



80k+ Conditions deployed

“Enterprise monitoring in Seeq has been a step change in our performance within our monitoring capability.”

- Process and Equipment Monitoring Lead, FHR



500+ categorized loss events

Guardian Glass enables their operations team to
categorize coater downtimes in near real-time

Midsize Upstream
O&G Company

> 2200 operating windows

Monitoring made easy for

1000s of operating window deviations
across **100s of unique equipment**

Asset	Condition	Start	Duration	Site	Flagged
		mm/dd/yyyy		(9) Charlotte, Chattan	
> Area B (5)		04/30/2024, 03:55:46 PM	5 days 19:30:23	*multiple values*	
> Reactor 1 (5)		05/01/2024, 03:16:00 AM	4 days 15:29:48	*multiple values*	
> Area D (49)		04/30/2024, 05:44:42 PM	7 days 21:04:14	*multiple values*	
> Area K (4)		04/30/2024, 06:28:24 PM	5 days 12:19:47	*multiple values*	
> Area G (158)		04/30/2024, 03:56:49 PM	737 days 16:05:08	*multiple values*	
> Area I (105)		04/30/2024, 02:12:00 AM	842 days 17:16:47	*multiple values*	
> Area E (3)		04/30/2024, 03:50:19 PM	5 days 20:42:36	*multiple values*	
> Area J (3)		05/01/2024, 01:55:42 AM	16:27:28	*multiple values*	
> Pump 8257 (1)		05/01/2024, 02:43:03 AM	31:37:23	PineBend	
> Pump 4092 (2)		05/01/2024, 01:36:30 AM	21:37:49	*multiple values*	
> Generator 1659 (2)		04/30/2024, 08:19:02 AM	3 days 09:31:15	*multiple values*	
> Pump 7970 (4)		04/30/2024, 05:12:35 AM	3 days 09:59:28	*multiple values*	
> Reactor 2 (4)		04/30/2024, 09:01:21 PM	5 days 14:31:43	*multiple values*	
> Reactor 3 (7)		04/30/2024, 02:11:26 PM	7 days 01:41:33	*multiple values*	
> Area A (7)		04/30/2024, 04:15:21 PM	4 days 19:00:22	*multiple values*	
> Pump 8620 (4)		04/29/2024, 07:21:07 PM	2 days 20:39:30	*multiple values*	

Currently Selected : 1 Asset

History

Search Context...

01/04/2024
Ryan Dolan

Condition

Condition : Reactor Temperature_FixedLimit_

Flag

Review

Label

Reason codes

Suppress

Enter a note by typing here...

Submit



Intro to Vantage




05/01/2024, 12:00 AM - 05/02/2024, 01:53 PM




QuickTrend

 Asset 

 Condition 

Filter table...




Asset	Condition	Start	Duration	Site	Flagged	Le
<input type="text"/>	<input type="text"/>	mm/dd/yyyy	<input type="text"/>	(9) Charlotte, Chattan	<input type="text"/>	
> Area B (5)		04/30/2024, 03:55:46 PM	5 days 19:30:23	*multiple values*		
> Reactor 1 (6)		05/01/2024, 03:16:00 AM	6 days 08:59:17	*multiple values*		
> Area D (55)		04/30/2024, 05:44:42 PM	8 days 02:56:11	*multiple values*		
> Area K (5)		04/30/2024, 06:28:24 PM	5 days 12:28:49	*multiple values*		
> Area G (158)		04/30/2024, 03:56:49 PM	824 days 05:29:14	*multiple values*		
> Area I (105)		04/30/2024, 02:12:00 AM	897 days 06:19:38	*multiple values*		
> Pump 2743 (3)		04/29/2024, 07:09:51 PM	5 days 09:56:19	*multiple values*		
> Area E (3)		04/30/2024, 03:50:19 PM	5 days 20:42:36	*multiple values*		
> Area J (3)		05/01/2024, 01:55:42 AM	16:27:28	*multiple values*		
> Reactor 3 (8)		04/30/2024, 02:11:26 PM	7 days 01:49:16	*multiple values*		
> Generator 5835 (1)		05/01/2024, 02:06:17 AM	21:58:13	Mobile		
> Pump 4092 (2)		05/01/2024, 01:36:30 AM	21:37:49	*multiple values*		
> Generator 1659 (2)		04/30/2024, 08:19:02 AM	3 days 16:38:07	*multiple values*		
> Pump 7970 (4)		04/30/2024, 05:12:35 AM	3 days 17:06:20	*multiple values*		
> Reactor 2 (4)		04/30/2024, 09:01:21 PM	5 days 14:31:43	*multiple values*		
> Pump 8257 (1)		05/01/2024, 02:43:03 AM	35:10:49	PineBend		


Currently Selected : 1 Condition


History


Search Context...


The selected items have no context.

 Flag

 Review

 Label

 Reason codes

 Suppress

Enter a note by typing here...

Submit

Area A-D Downtimes

04/24/2024 8:52 AM - 04/25/2024 8:52 AM

QuickTrend

Drag here to set row groups

Filter table...

Asset	Start	Duration	Reason code 1	Reason code 2	Author
(4) Area A,Area B,Ar	mm/dd/yyyy				
Area B	4/25/2024, 4:56:00 AM	03:04:31			
Area A	4/25/2024, 1:04:00 AM	06:56:31			
Area D	4/24/2024, 1:42:00 PM	01:22:00	Materials	Supply	Site Operator
Area D	4/24/2024, 12:22:00 PM	00:56:00	Resources	Training	Site Operator
Area D	4/24/2024, 10:16:00 AM	02:00:00	Equipment	Belt Stoppage	Christopher Orr
Area A	4/24/2024, 6:04:00 AM	08:06:00	Utilities	Steam	Christopher Orr
Area B	4/24/2024, 1:24:00 AM	12:34:00	Utilities	Nitrogen	Christopher Orr

Currently Selected : 1 Capsule

History

Search Context...

The selected items have no context.

Reason codes

Enter a note by typing here...

Submit

Area B_Downtimes

04/24/2024, 12:00 AM - 05/01/2024, 05:24 PM

QuickTrend

Drag here to set row groups

Filter table...

Asset	Start ↓	End	Duration	Reason code 1	Reason code 2	Aut
	mm/dd/yyyy	mm/dd/yyyy				
Area B	05/01/2024, 03:50:30 PM	05/01/2024, 03:52:00 PM	00:01:29			
Area B	05/01/2024, 03:19:21 PM	05/01/2024, 03:36:54 PM	00:17:32	Mechanical Issues	Valve Malfunction	C
Area B	04/30/2024, 03:55:46 PM	05/01/2024, 04:35:09 AM	12:39:22	Process Upsets	Flow Rate Variations	C
Area B	04/29/2024, 06:10:01 PM	04/30/2024, 03:03:46 AM	08:53:45			
Area B	04/29/2024, 05:54:14 PM	04/29/2024, 06:04:27 PM	00:10:13			
Area B	04/29/2024, 04:34:33 PM	04/29/2024, 05:24:38 PM	00:50:05	Process Upsets	Flow Rate Variations	C
Area B	04/29/2024, 04:22:07 PM	04/29/2024, 04:25:39 PM	00:03:31			
Area B	04/29/2024, 04:17:50 PM	04/29/2024, 04:21:03 PM	00:03:12	Safety Incidents	Other	C
Area B	04/28/2024, 09:30:18 PM	04/29/2024, 01:13:33 AM	03:43:15			
Area B	04/27/2024, 11:21:48 PM	04/27/2024, 11:31:47 PM	00:09:58			
Area B	04/27/2024, 11:11:48 PM	04/27/2024, 11:16:44 PM	00:04:55			
Area B	04/27/2024, 10:40:57 PM	04/27/2024, 11:01:08 PM	00:20:10	Environmental Factor:	Air Quality Concerns	C
Area B	04/27/2024, 10:11:40 PM	04/27/2024, 10:15:08 PM	00:03:27			
Area B	04/27/2024, 04:12:49 PM	04/27/2024, 05:25:23 PM	01:12:33	Environmental Factor:	Air Quality Concerns	C
Area B	04/27/2024, 03:57:56 PM	04/27/2024, 04:11:14 PM	00:13:18			
Area B	04/27/2024, 12:30:06 AM	04/27/2024, 01:16:11 AM	00:46:04	Mechanical Issues	Pressure Relief Valve	C
Area B	04/26/2024, 09:15:01 PM	04/27/2024, 12:25:52 AM	02:10:51			

Currently Selected : 1 Capsule

History

Search Context...

The selected items have no context.

Flag

Review

Label

Reason codes

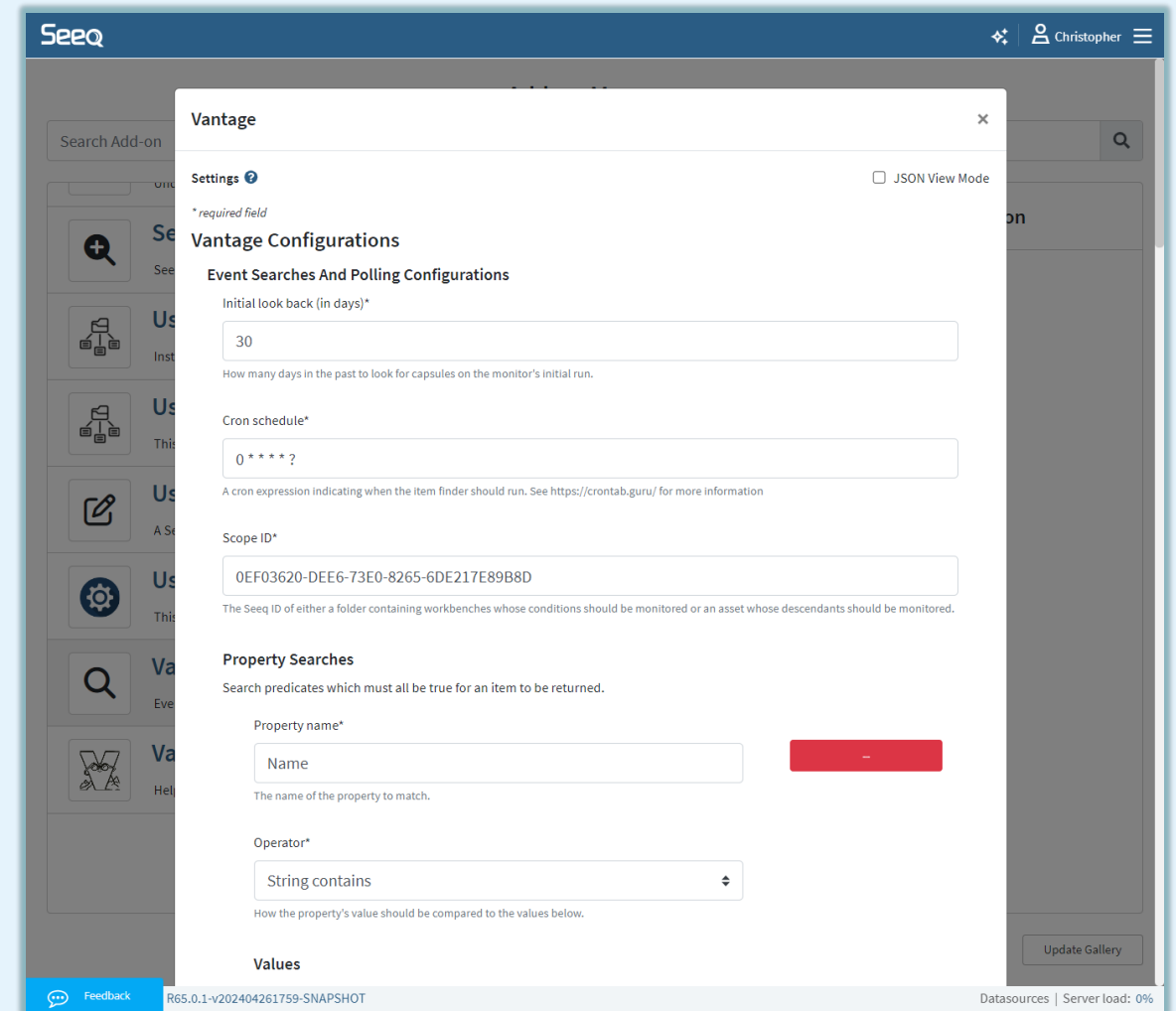
Suppress

Enter a note by typing here...

Submit

Vantage Configuration and Setup

- No code configuration and settings
- User defined:
 - Search criteria
 - Schedule frequency
 - Properties to include



The screenshot shows the 'Vantage' configuration window within the Seeq application. The window is titled 'Vantage' and has a close button (X) in the top right corner. It contains several sections for configuration:

- Settings:** Includes a 'JSON View Mode' checkbox.
- Vantage Configurations:**
 - Event Searches And Polling Configurations:**
 - Initial look back (in days)*:** A text input field containing '30'. Below it, a note says 'How many days in the past to look for capsules on the monitor's initial run.'
 - Cron schedule*:** A text input field containing '0 * * * * ?'. Below it, a note says 'A cron expression indicating when the item finder should run. See <https://crontab.guru/> for more information.'
 - Scope ID*:** A text input field containing '0EF03620-DEE6-73E0-8265-6DE217E89B8D'. Below it, a note says 'The Seeq ID of either a folder containing workbenches whose conditions should be monitored or an asset whose descendants should be monitored.'
 - Property Searches:**
 - Search predicates which must all be true for an item to be returned.**
 - Property name*:** A text input field containing 'Name'. To its right is a red button with a minus sign (-). Below the input field, a note says 'The name of the property to match.'
 - Operator*:** A dropdown menu currently showing 'String contains'. Below it, a note says 'How the property's value should be compared to the values below.'
 - Values:** A section for defining values, currently empty.

The background of the application shows a sidebar with various icons and a top navigation bar with the 'Seeq' logo and a user profile for 'Christopher'. The bottom of the application shows a status bar with 'Feedback', 'R65.0.1-v202404261759-SNAPSHOT', and 'Datasources | Server load: 0%'.



Honeywell UOP – A Journey of Enterprise Monitoring

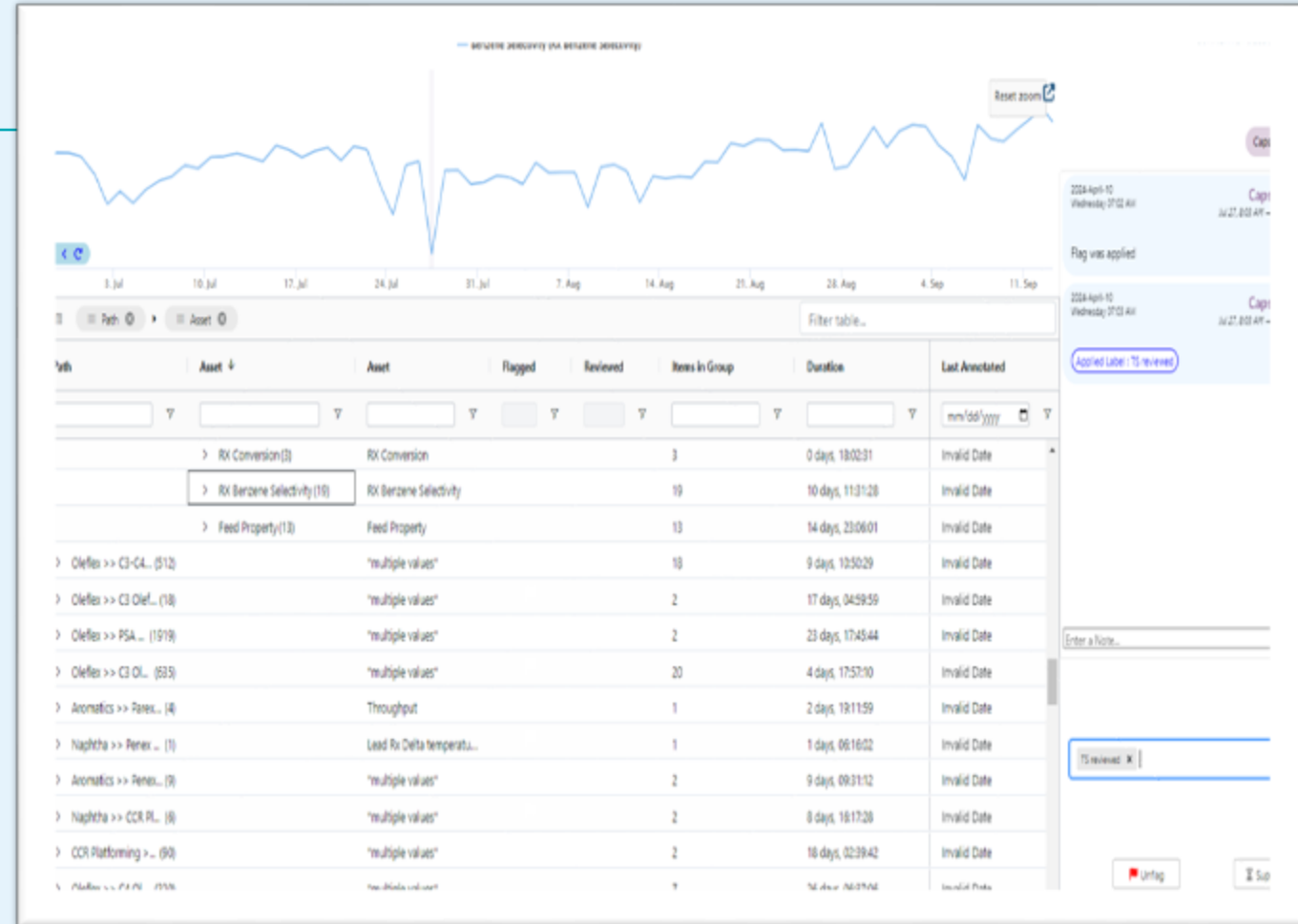


UOP's unique centralized dashboard enables tech services to identify common product and process trends.

Tech service can investigate and prioritize alerts quickly through flags and tags.

The dashboard provides a convenient notes and label section for record keeping to aid in future investigations and data reviews.

Tech service can quickly slice and dice the alerts to efficiently identify what the root cause is.



Seeq Vantage Roadmap

2024



Support multiple, distinct enterprise workflows



Easier calculation scaling and monitoring configuration



Enable complex Equipment Effectiveness workflows



Infuse AI Assistant capabilities with Vantage Events and Context

2025

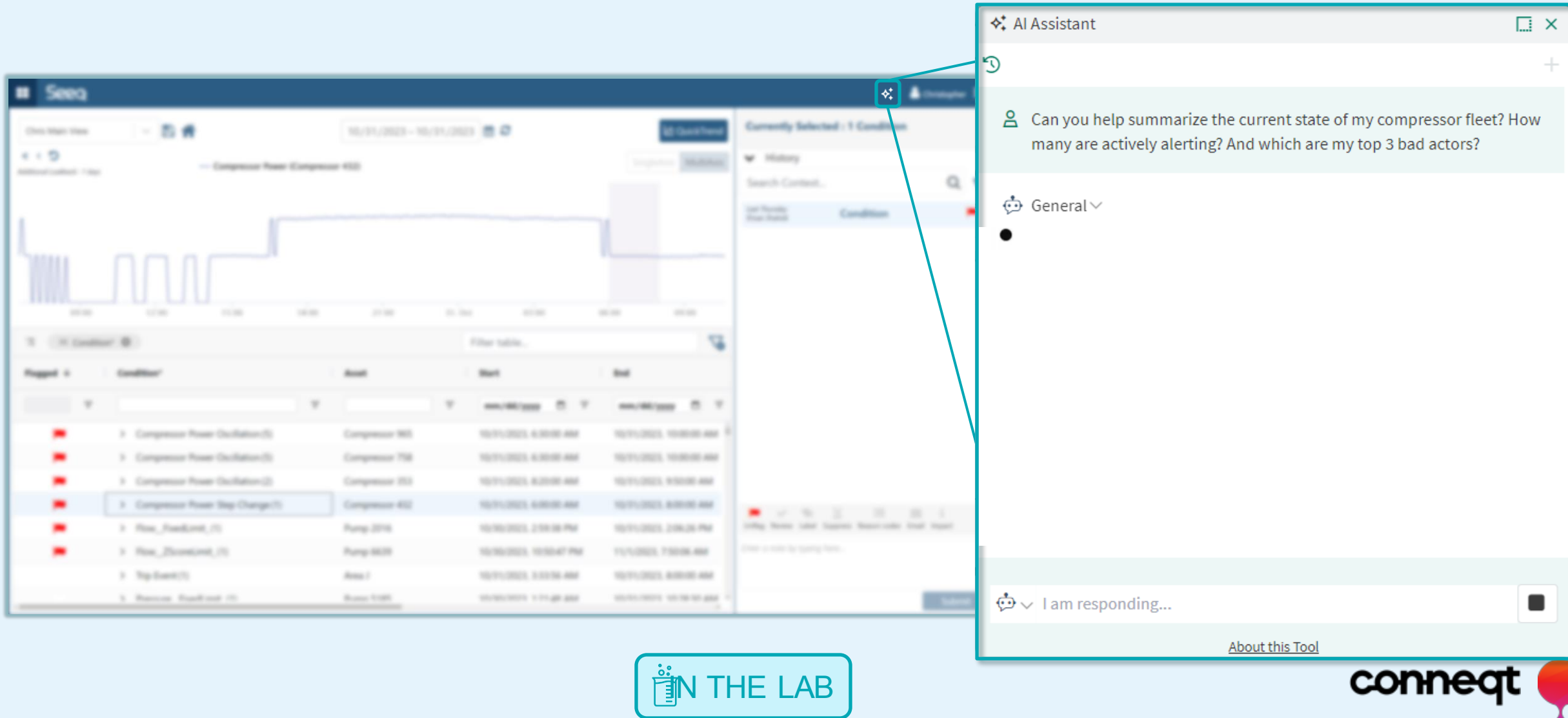


Expand visualization and dashboarding options



Enhance extensibility for partner and customer-built Extensions and integrations

Coming soon: Infusing the AI Assistant with Seeq Vantage



The screenshot displays the Seeq Vantage interface. The top section features a time-series plot for 'Compressor Power (Compressor 402)' from 10/31/2023 to 11/01/2023. Below the plot is a table of conditions. A callout box highlights the AI Assistant icon in the top right corner of the interface.

Flagged	Condition	Asset	Start	End
✓	Compressor Power Oscillation (2)	Compressor 902	10/31/2023, 8:00:00 AM	10/31/2023, 10:00:00 AM
✓	Compressor Power Oscillation (2)	Compressor 758	10/31/2023, 8:00:00 AM	10/31/2023, 10:00:00 AM
✓	Compressor Power Oscillation (2)	Compressor 202	10/31/2023, 8:00:00 AM	10/31/2023, 9:00:00 AM
✓	Compressor Power Step Change (1)	Compressor 402	10/31/2023, 8:00:00 AM	10/31/2023, 8:00:00 AM
✓	Flow_Feedback (1)	Pump 2016	10/30/2023, 2:00:00 PM	10/31/2023, 2:00:00 PM
✓	Flow_Feedback (1)	Pump 9020	10/30/2023, 10:00:47 PM	11/1/2023, 7:00:00 AM
✓	Stop Event (1)	Area 1	10/31/2023, 3:00:00 AM	10/31/2023, 8:00:00 AM
✓	Reservoir_Flowback (1)	Reservoir 1000	10/30/2023, 1:00:00 PM	10/31/2023, 10:00:00 AM

AI Assistant

Can you help summarize the current state of my compressor fleet? How many are actively alerting? And which are my top 3 bad actors?

General ▾

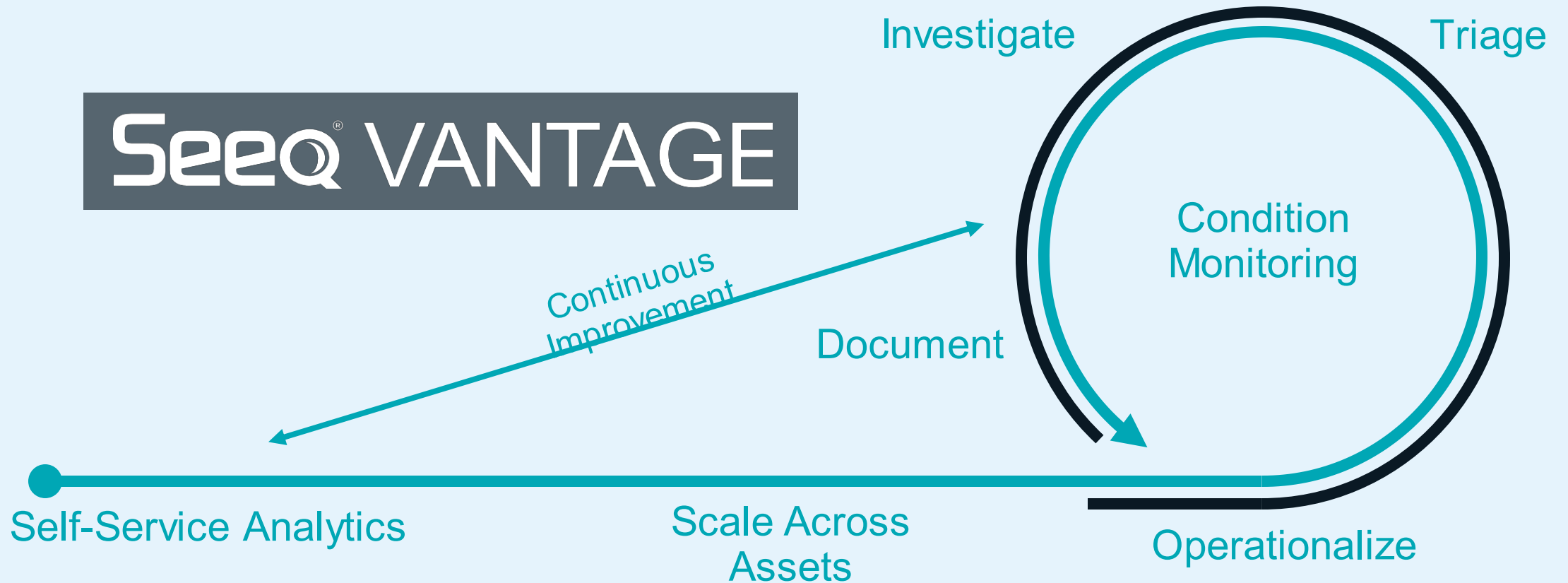
I am responding...

[About this Tool](#)

IN THE LAB

connect

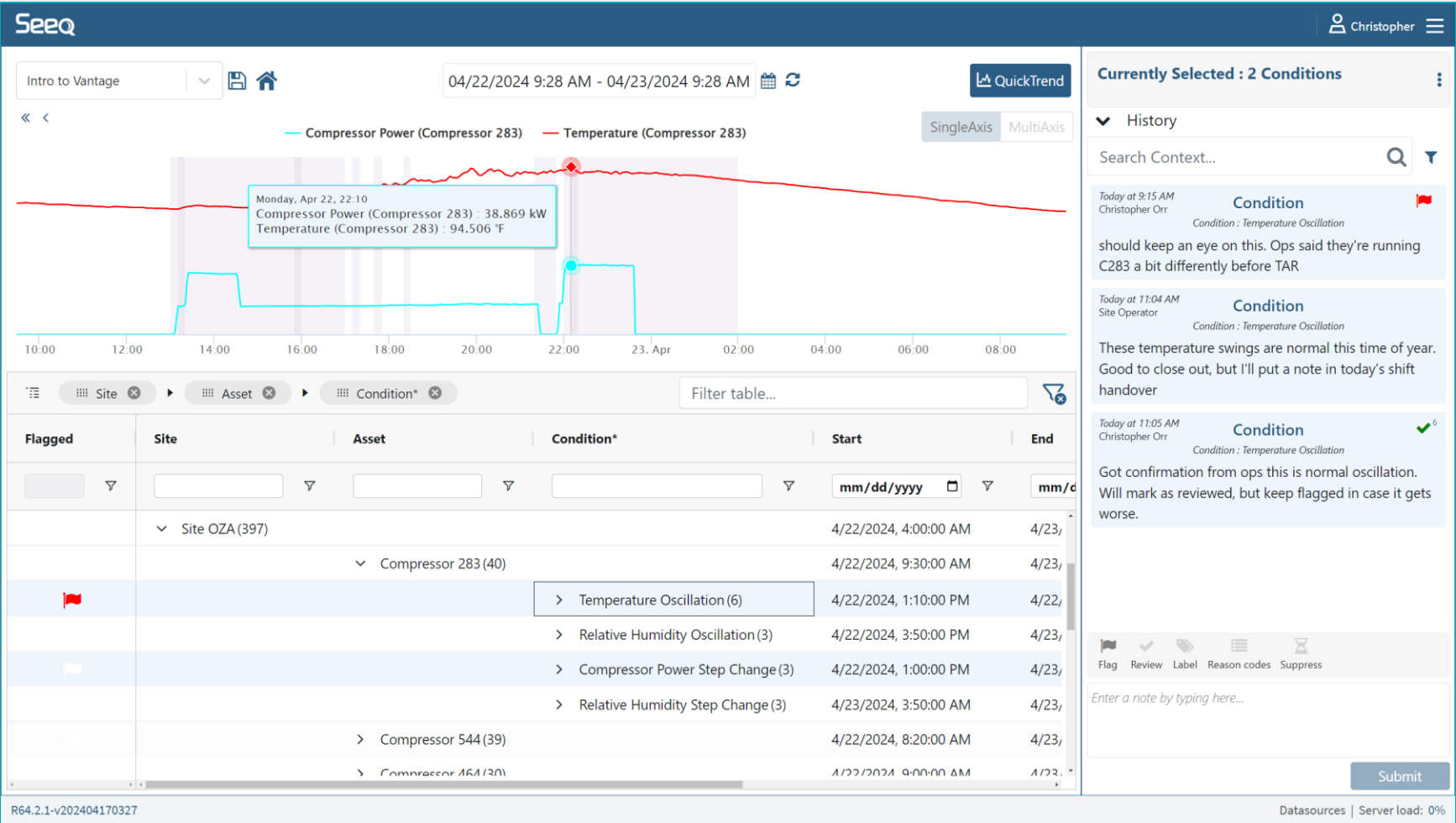
Industrial Enterprise Monitoring™ with Seeq Vantage



Recap of Seeq Vantage

Operationalize *your* monitor-by-exception workflow

Investigate



Document

Triage

Action



Thank You

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