



Seed conneqt







Stéphanie Raoul



#### **About us**





Headquartered in Oslo, Norway



2500 employees



Explores and produces oil and gas on the Norwegian continental shelf



Operator of 6 large oil and gas offshore fields / ~400 000 barrels per day



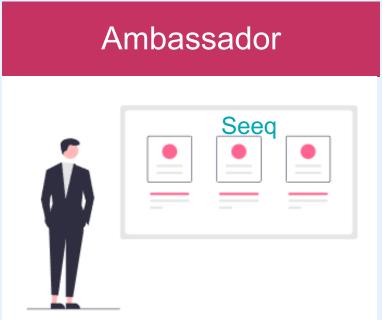
A global leader in low Greenhouse Gas emissions

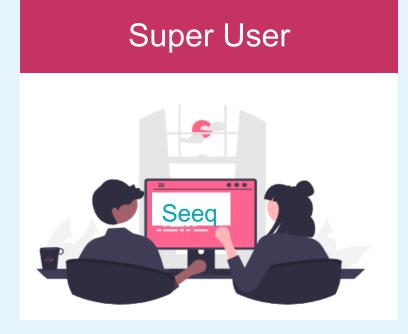


# Seeq organization









**Support Service** 

Knowledge



## **Operations Business Unit – Center of Excellence**



Central Team

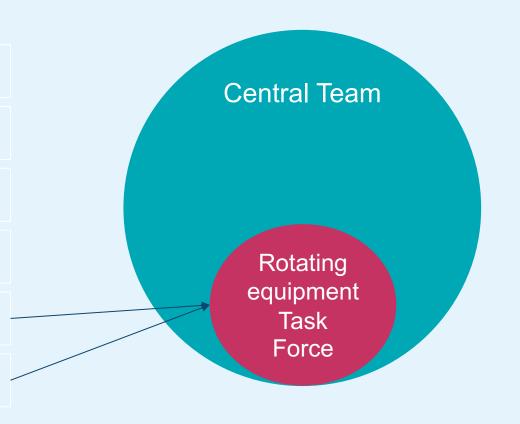
Work across all the offshore assets

One expert for each discipline (~ 10 people)

2 Data Scientists

Lead Data Scientist

4 Advisors





### Goals



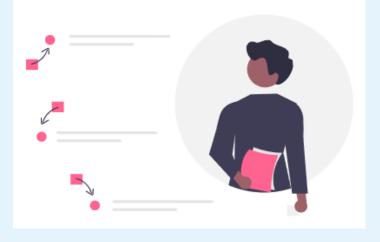
Enhance Equipment Availability



Optimize Equipment Efficiency



Root Cause Analysis





# **Optimize Equipment Efficiency**



### **Monitoring Solutions**

Tailored data models

3rd-party data models

Alerts management system

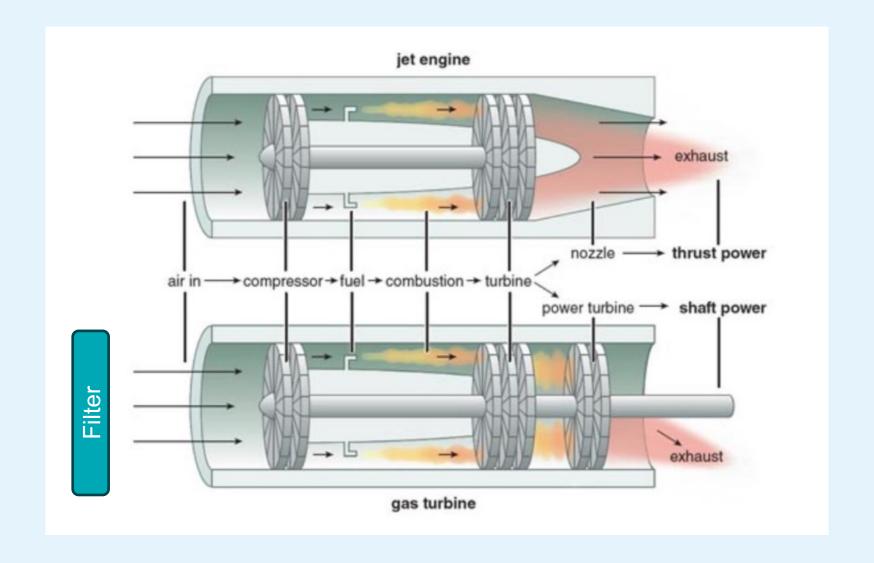
Diagnostic dashboards





## **Gas Turbine**

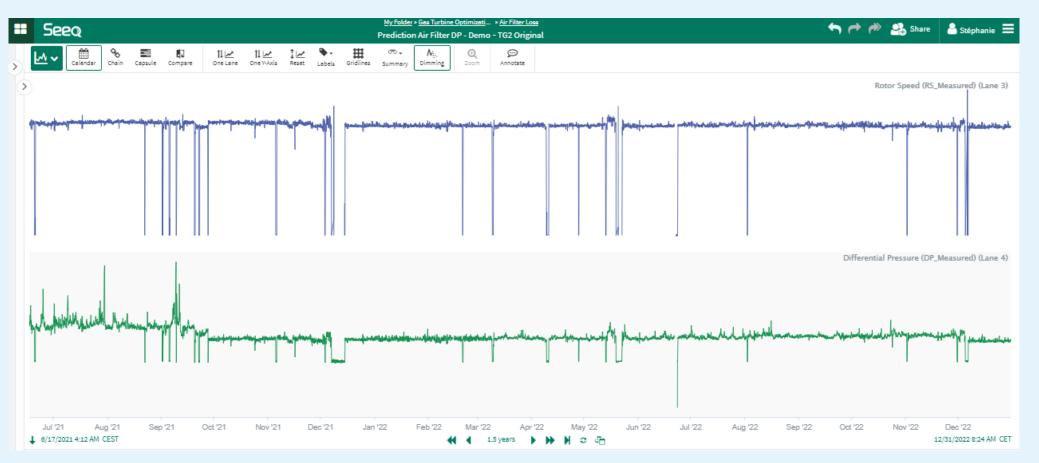






#### **Data**





Rotational Speed = Load

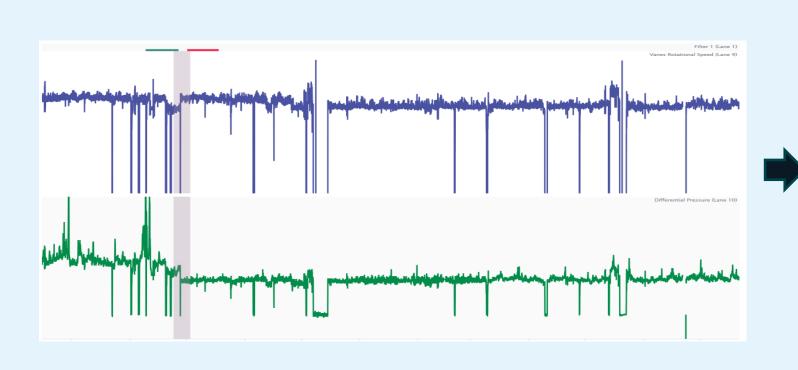
DP = Resistance

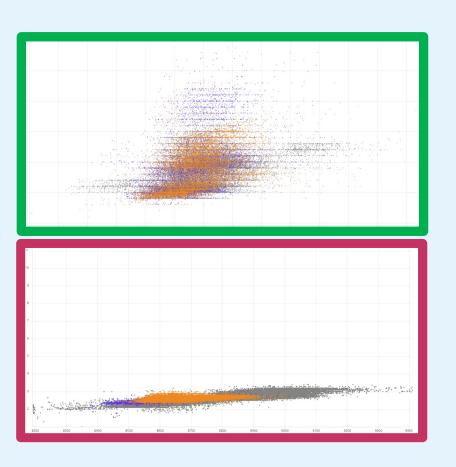




# Tackle the challenge with Seeq



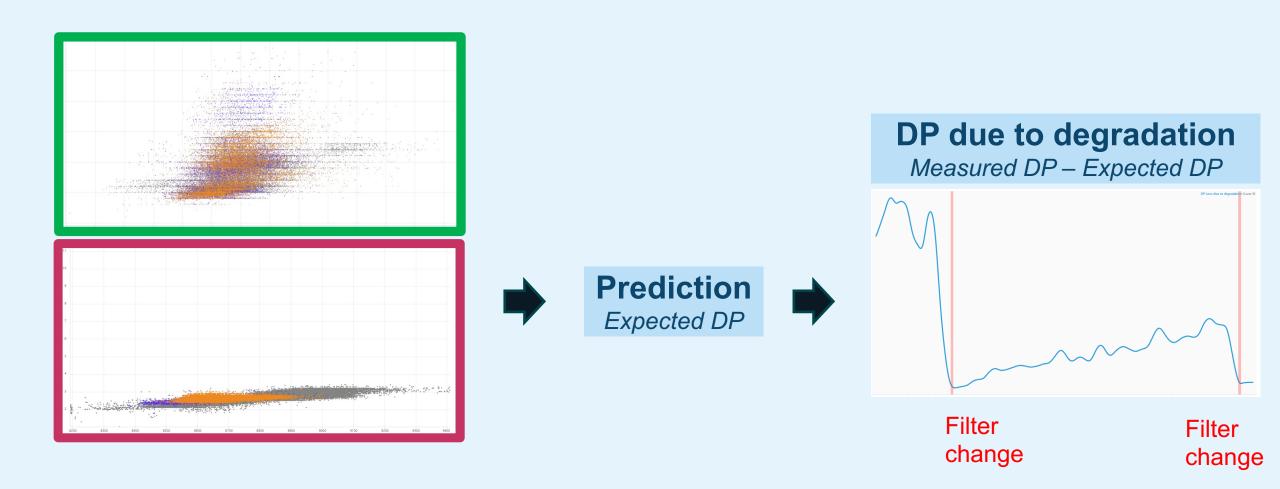






# Tackle the challenge with Seeq



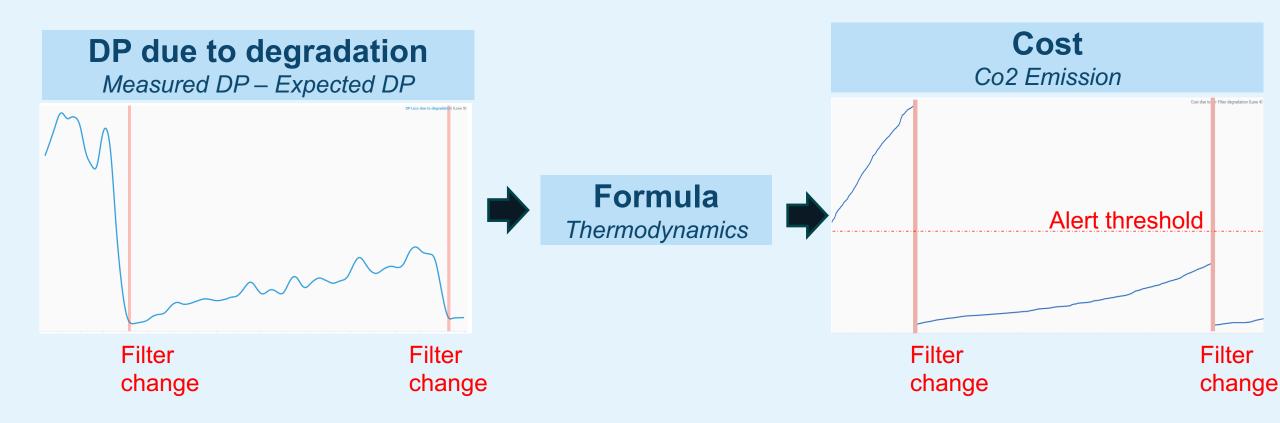






# Tackle the challenge with Seeq

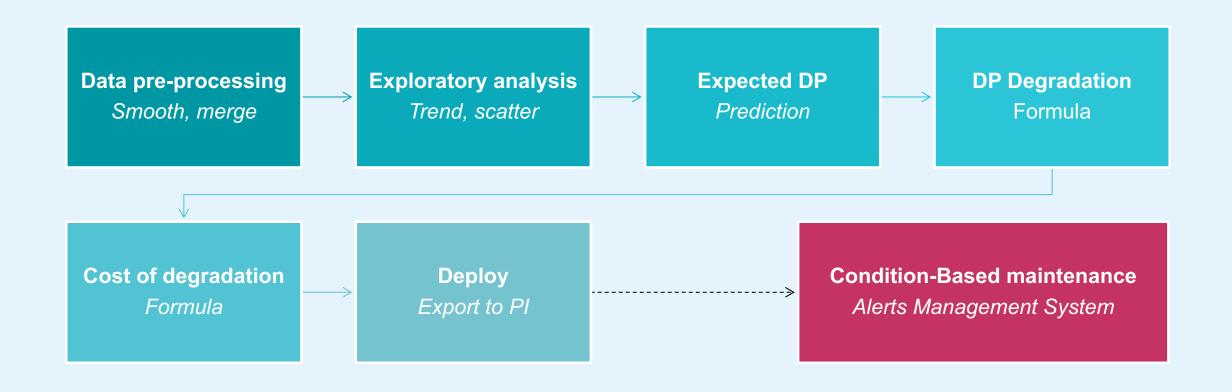






## **Seeq functionalities**







## **Impacts**





Reduce CO<sub>2</sub> emission of 10 000 tons / year

&

Transition from Calendar-based maintenance to Condition-based maintenance for Gas

Turbines

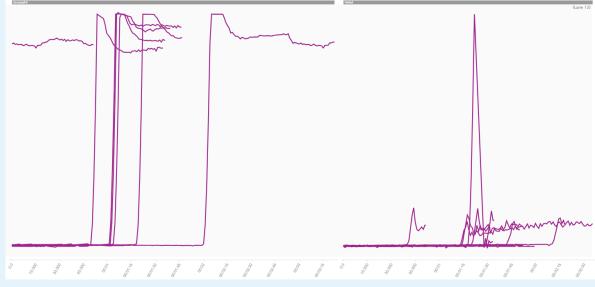




# What's next & other Seeq highlights







÷ :	Dec 1, 2023 12:00 AM - Jan 1, 2024 12:00 AM	Jan 1, 2024 12:00 AM - Feb 1, 2024 12:00 AM	Feb 1, 2024 12:00 AM - Mar 1, 2024 12:00 AM	Mar 1, 2024 12:00 AM - Apr 1, 2024 12:00 AM
50PS0001A	11.078 L	0.2208 L	7.9777 L	0.8509 L
50PS0001B	1.2703 L	20.563 L	0.9489 L	13.526 L
50PS0002	4.9969 L	1.2943 L	1.08 L	1.403 L
50PS0003-M01-H01	3.2894 L	2.7921 L	3.8325 L	3.4192 L
71PS0001A-B01-H01	3.1054 L	3.2572 L	1.92 L	2.091 L
71PS0001B-B01-H01	2.9657 L	2.0182 L	1.8555 L	1.4808 L
71PS0001C-B01-H01	2.6041 L	1.9022 L	0.9181 L	1.73 L



# Acknowledgement



#### **Aker BP**

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&

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Emil Thune
Thorsten Vogt

#### Seeq

Kelly Kolotka Topher Smith

&

**Support Team** 



