

AkerBP SAP Initiatives

SBN SAP Energy Day 2022

22/3-2022





Ivar Aasen



Valhall



Alvheim



Skarv



Ula

Background

NEW CONSEQUENCE CLASSIFICATION TOOL



Requirements and
commitments



Software



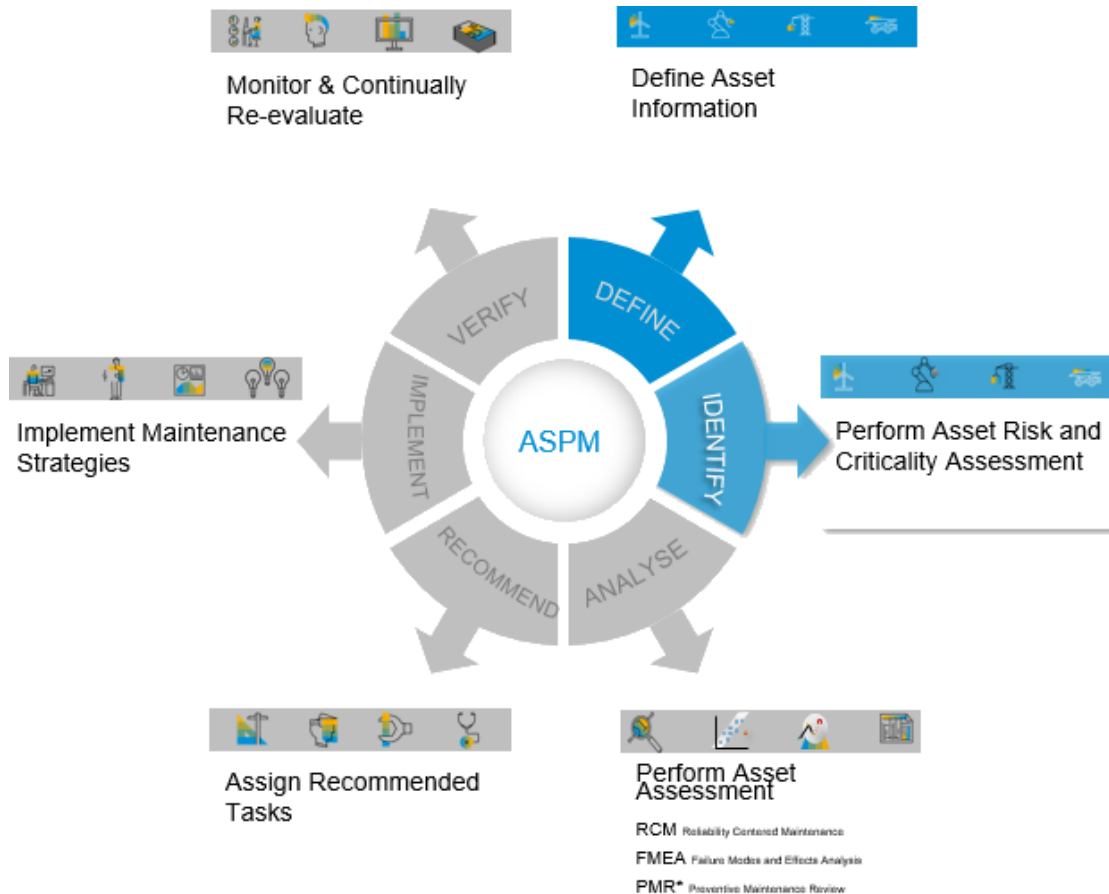
Data quality

SAP Intelligent Asset Management Suite



Asset Strategy & Performance Management

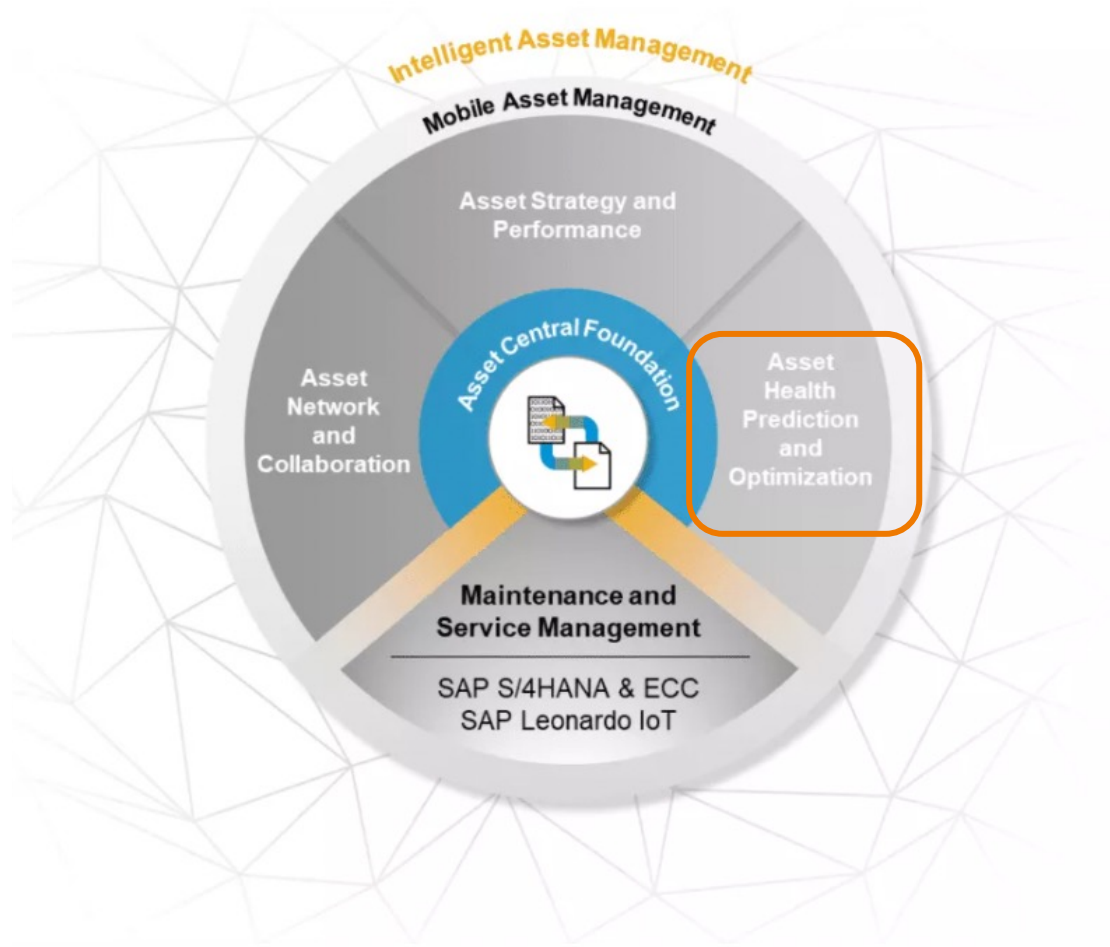
Solution Overview



Where are we today

- 3 out of 5 assets live on ASPM for consequence classification
 - Approx 250 000 tags live today
- Reclassification of all assets due to be completed by end of 2022
- Rolling out the solution to brownfield and greenfield projects in parallel
- Started initiative to review additional features
 - RCM Assessments
 - FMEA Assessments
 - Recommendations

SAP Predictive Asset Insights PoC



Pilot Use Cases

- Transmitter Comparison
- Transmitter Comparison: use history to avoid function test
- Calculate grease amount
- Predictive maintenance

TransmitterTemperature /

 SKA-23-TT-0009B -1 St Stage Recompressor.. ✓ 

Publish

Manage

☆







INFORMATION ▾

STRUCTURE & PARTS ▾

DOCUMENTATION ▾

MONITORING ▾

MAINTENANCE & SERVICE ▾

ANALYTICS ▾

TIMELINE

Indicators

Show All (3) ▾

Search

New Manual Entry

Manage Manual Entry ▾

Configure Indicator

Reset

↕

☰



Refresh

☐ Indicator	Value	Trend	Date and Time	Threshold Status	Type	Indicator Group	Provider	Context	From	My Favorites
☐ Deviation Towards Safety Transmitter					 	Deviation				☆
☐ Absolute Deviation Towards Safety Transmitter					 	Deviation				☆
☐ Temperature					 	Temperature Transmitter				☆

Nested Structure Indicators

Indicator	Value-Trend	Date and Time	Context	From
There is no data available.				

Component Indicators

Safety Temperature Transmitter

Search Components

↕

Refresh

Component	Safety Temperature
 23TSI0013 1 St Stage Recompressor Discharge	>

Indicators

Show All (3)

Search

New Manual Entry

Manage Manual Entry

Configure Indicator

Reset

↑↓

[≡]

⚙️

Refresh

☐ Indicator	Value	Trend	Date and Time	Threshold Status	Type	Indicator Group	Provider	Context	From	My Favorites
☒ Deviation Towards Safety Transmitter					📊 📅	Deviation			📄	☆
☐ Absolute Deviation Towards Safety Transmitter				⚠️	📊 📅	Deviation			📄	☆
☐ Temperature									📄	☆

Nested Structure Indicators

Indicator	Value-Trend

Component Indicators

Safety Temperature Transmitter

Component
23TSI0013 1 St Stage Recompressor Discharge

Search Components

🔍

↑↓

Refresh

Deviation Towards Safety Transmitter

Max: 0,5

Min: 0

Reset:

Normal:

Threshold Status

Unit of Measure - %

Number of Thresholds

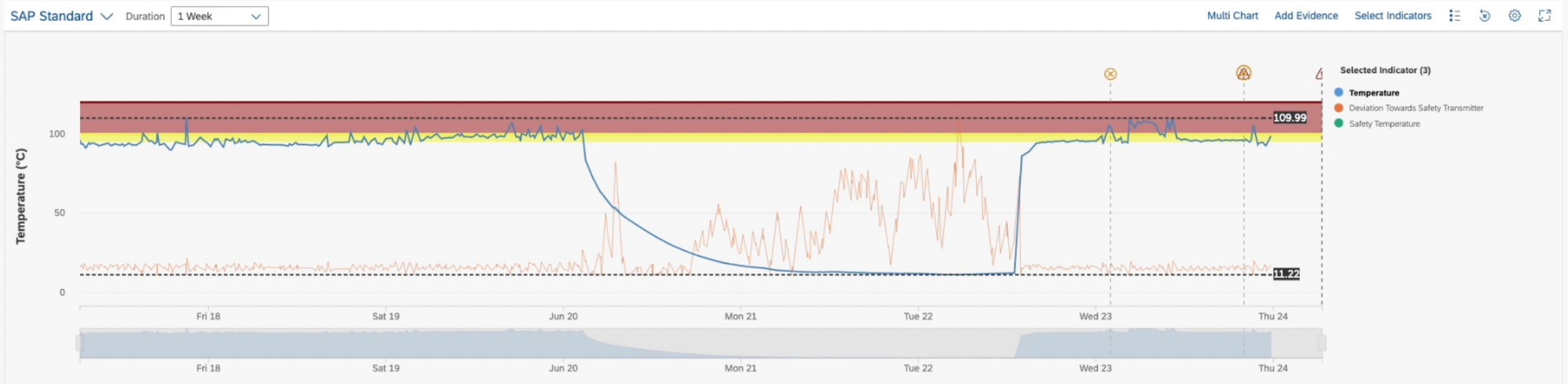
Threshold Value *	Color	Threshold Description *	Primary Threshold
0.5 .. 0,2	🔴 🕒	Out of Safety range	✓
0.2 .. 0	🟢 🕒	Within Safety range	✓

OK

Cancel

Indicator Chart

Refresh



DEMO: Temperature out of range

Save

Delete

Cancel

Rule For: Model Object: TransmitterTemperature Source: Akerbp Norway

Long Description

Rule Details

When

Event Type

Triggered ▾

Alert Type*

TransmitterTemperat...

If

(

TransmitterDeviation Deviation(In %)

NOTWITHIN

TransmitterDeviation Deviation(In %) "In_Safety Range[0.2-0]"

)

(TransmitterTemperature.TransmitterDeviation.Deviation NOTWITHIN TransmitterTemperature.TransmitterDeviation.Deviation."In_Safety Range[0.2-0]")

Then

☒ Alert Type

TransmitterTemperatureAlerts.Tem...

☒ Notification

Maintenance Request ▾

High ▾

☒ Email

andreas.bauge@akerbp.com ✕

Rule Status: ☐ OFF

Temperature Deviation is Out of Range

Set to In ProcessSet to CompletedSet ProcessorCreate Notification

Severity: WarningCreated On: Jun 24, 2021, 6:35:00 AMTop Equipment: 23T10009B

Status: NewCategory: MachineLocation:

Top Functional Location:

INFORMATION

INDICATOR CHART

FAILURE MODES AND CAUSES

EQUIPMENT MAINTENANCE HISTORY

Violated Indicators

Related Indicators

Indicator ID	Description	Value	UoM	Explanation
Deviation	Deviation Towards Safety Transmitter	0.4461552484777775	%	AVERAGE (Deviation) for 15 days Lesser than 1 %

Indicator Chart



Temperature Deviation is Out of Range

Set to In ProcessSet to CompletedSet ProcessorCreate Notification

Severity: WarningCreated On: Jun 24, 2021, 6:35:00 AMTop Equipment: 23TI0009B

Status: NewCategory: MachineLocation:

Top Functional Location:

- INFORMATION
- INDICATOR CHART
- FAILURE MODES AND CAUSES
- EQUIPMENT MAINTENANCE HISTORY

Alert	Technical Object	Notification
Type: TemperatureDeviationOOR	Model: TransmitterTemperature	Equipment Description: SKA-23-TT-0009B -1 St Stage Recompressor..
Processor:	Operator: Akerbp Norway	Functional Location Name:
Origin: Rule	Equipment Name: 23TI0009B	Functional Location Description:
Alert Occurrence: 8		ID: NO.PAI.13
Last Occurrence: Jun 24, 2021, 6:43:00 AM		Description: Temperature Deviation is Out of Range
		Type: Maintenance Request
		Status: New
		Priority: High

Takeaways

- AkerBP live med SAP Asset Strategy & Performance Management for konsekvensklassifisering sommeren 2021
- Pågående initiativ for å ta i bruk ny funksjonalitet (FMEA, RCM, Recommendations)
- Gjennomført vellykket Proof of Concept på SAP Predictive Asset Insights

Aker BP Finance Fiori Journey

2018

2019

2020

2021

2022

- SAP S/4 Hana 1610 version implementation for Finance and SCM
- Introduced to Fiori
- SAP project started for PM and SCM
- “Endringsreisen 2020” rolled out (new SAP PM module)
- Development of Fiori apps for PM and SCM
- SAP PM module January
- SAP upgraded to version 1909 in December
- Development of apps for Financial Reporting
- Rollout of Apps
- **Reconciliation app**
- Intern control
- **E-billing project completed**
- First billing/cash calls published in February
- Rollout of Apps
 - JV audit
 - Commitment report
 - M&O Budget and Forecast

Cash Call for Joint Venture

Report Date: 27.07.2022
 Reporting Date: 27.07.2022
 Document Number: 1000000000

Currency	Bill Date	Amount	Tax
NOK	20220401		
USD	20220401		
GBP	20220401		
EUR	20220401		

Cash Call Period:

Currency	May 2022	June 2022	July 2022
NOK			
USD			
GBP			
EUR			

Attachments (0)

No entries found

Billing Report

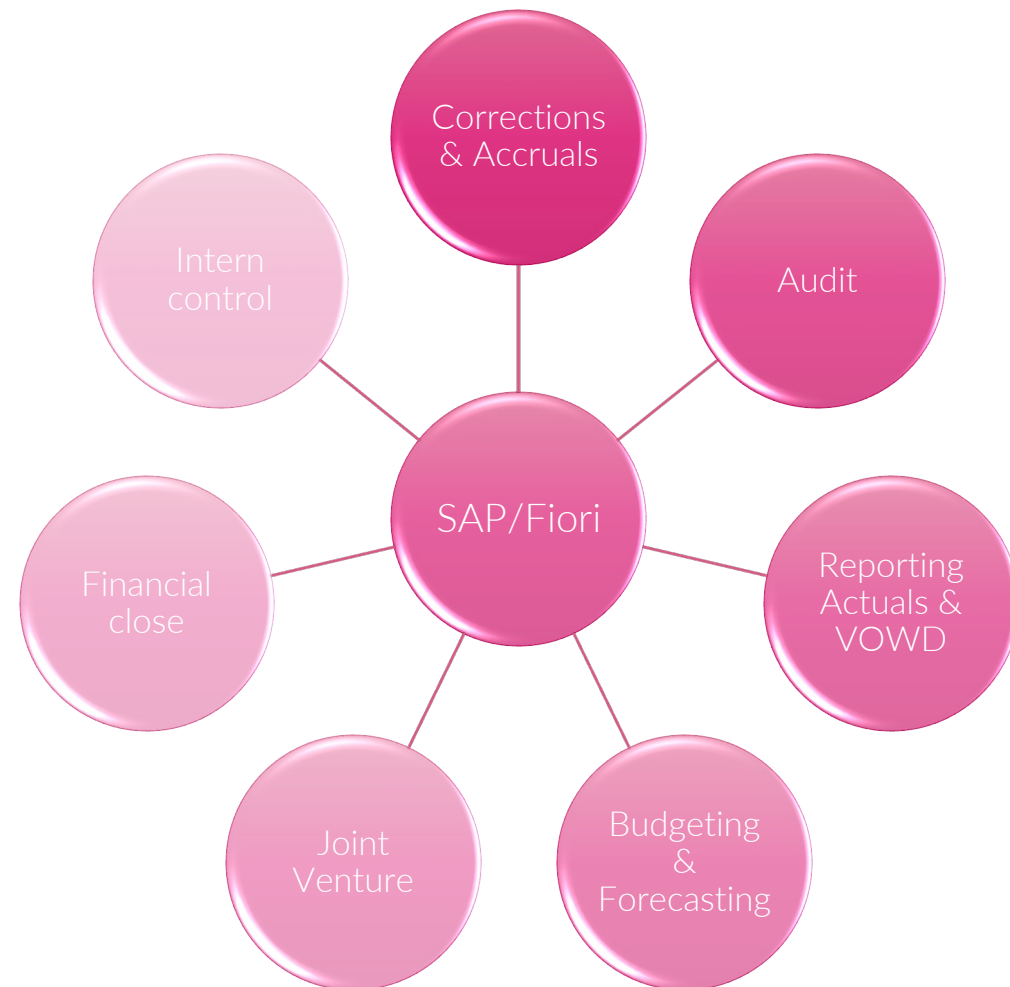
Report Date: 27.07.2022
 Reporting Date: 27.07.2022
 Billing Date: 27.07.2022

Bill Code	Description	M&O Element	M&O Element Description	Billing Amount
1.1	Service & products			
1.2	Service			
1.3	Special studies			
1.4	Other exploration costs			
2	Exploration			
2.1	Regional positioning costs			
2.2	Seismic & testing			
2.3	Seismic			
2.4	Testing			
3	Exploration Drilling & Testing			
3.1	Perforation			
3.2	Perforation			
4.1	Completion studies			
4	Completion studies			

Aker BP Finance Fiori Journey

Fiori - solutions/functionality

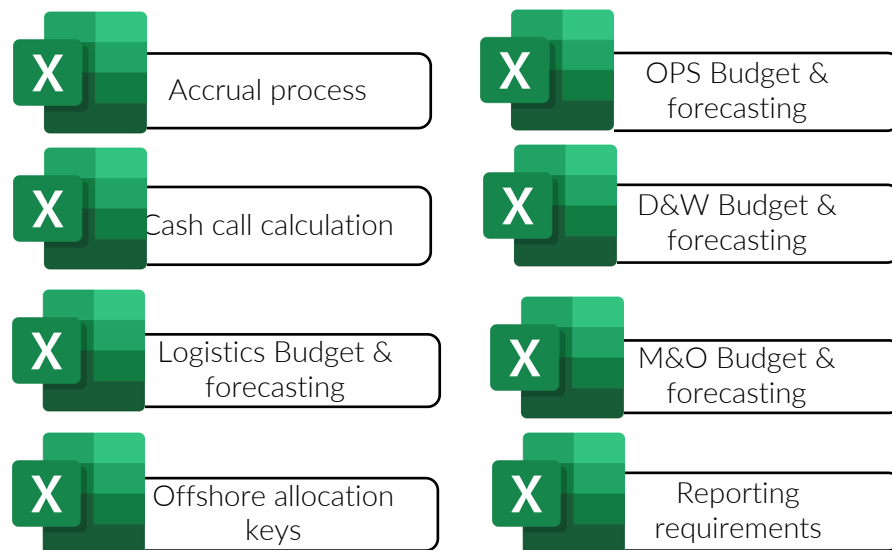
- SAP user perspective
 - Move from SAP GUI to Fiori
- Move from Excel templates to Fiori
 - Increase data quality
 - Reduce manual effort
 - Standardize processes
 - Improve audit trail
- Challenges
 - New way of working
 - Less flexibility that Excel provides



Aker BP Finance Fiori Journey

Cost Control/Joint Venture

Current setup



New Setup





www.akerbp.com