

The background of the image is a deep purple with a network of glowing, intersecting lines in shades of cyan and magenta, creating a diamond-like pattern. The text is centered in the middle of the image.

AVEVA WORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Connecting field operations through mobile workflows and real time insights

Boris Demarrez, Global Technical Excellence Lead – APM, AVEVA

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What it takes for technology to deliver

Actionable, applied technology that performs control and automation

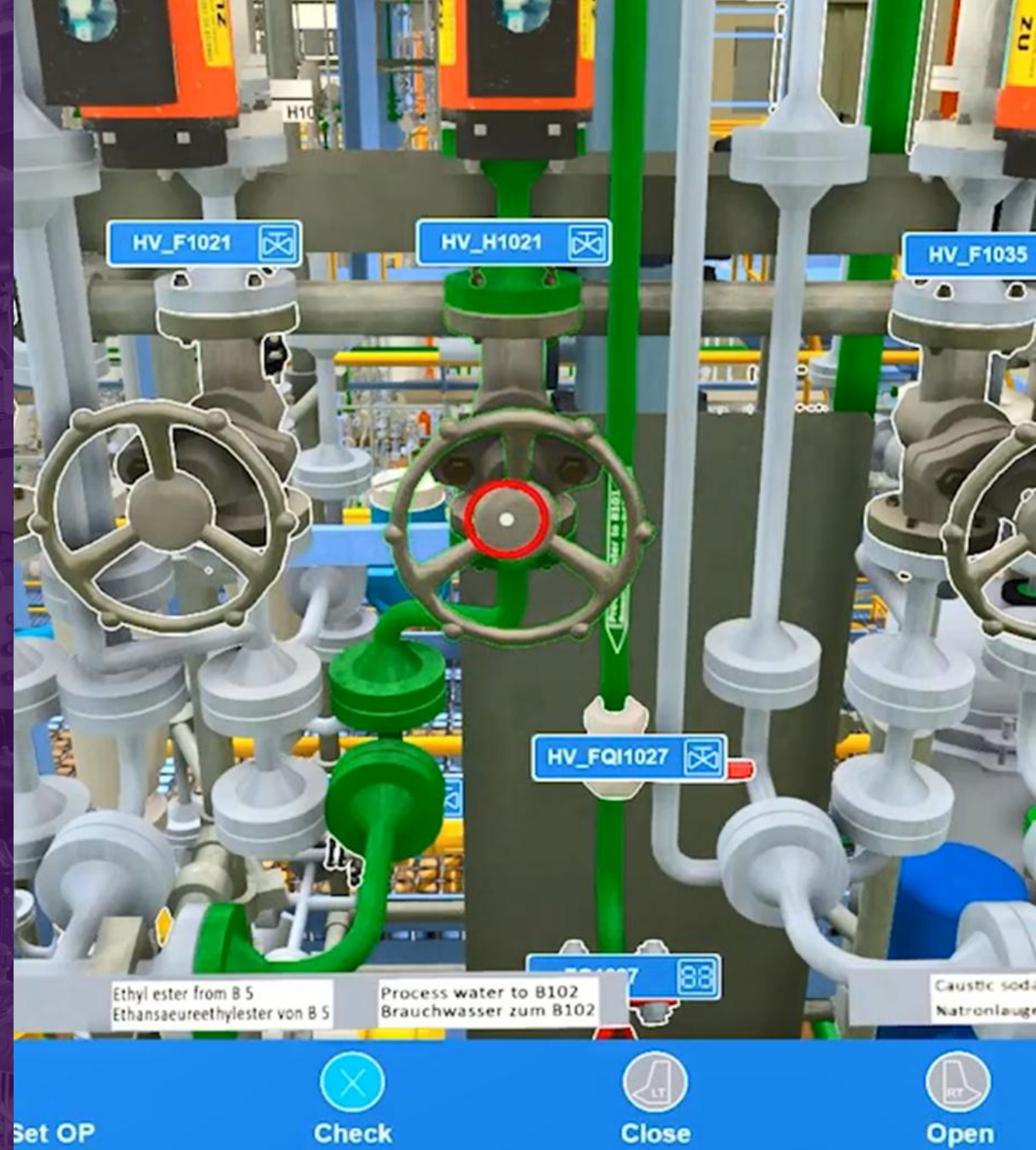
Domain specificity for value-driven industrial use cases

Hyper-collaborative and interoperable value chain backed by trusted systems and sources



Industries are evolving

- Market forces
- Changing technology
- Expectations of a skilled, mobile workforce



The role of plant operators

- Continuous field presence, every shift
- First line of defense for early detection
- Critical context beyond the control room



Real-World Examples

- Leaks spotted before alarms
- Abnormal sounds signal wear
- Vibration and heat felt early





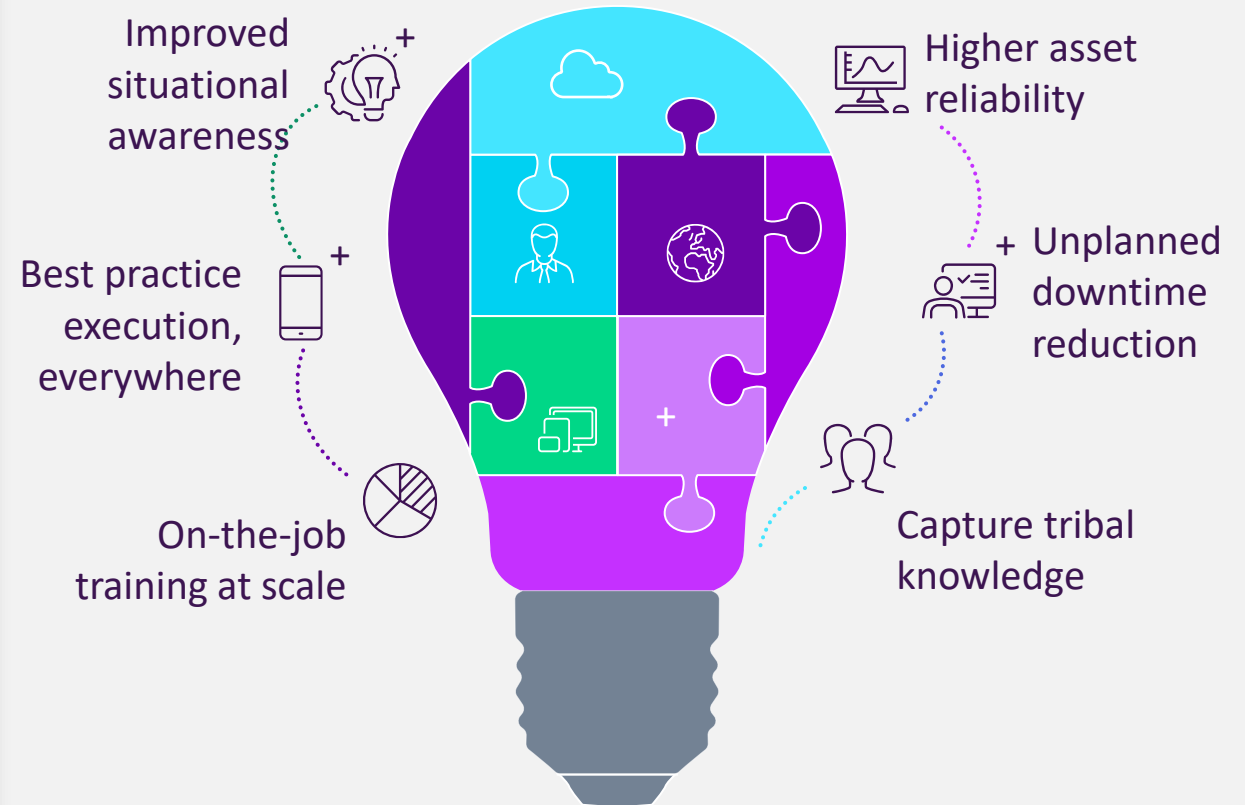
The limits of automation alone

- Sensors don't see everything
- Many assets remain uninstrumented
- People close the gap

Operator workflow: proven ROI

Measurable workforce impact

- Asset uptime: +10–30%
- Maintenance cost reduction: 5–30%
- Workforce productivity: +20–30%
- Compliance visibility: +30%
- Non-instrumented data visibility: +20–30%
- Payback: 6–12 months



AVEVA Mobile Operator

Digital workforce enablement

- Drives reliable, consistent frontline execution
- Reduces cost and operational risk
- Eliminates manual data loss and errors

Capture unconnected asset data

Standardize field work

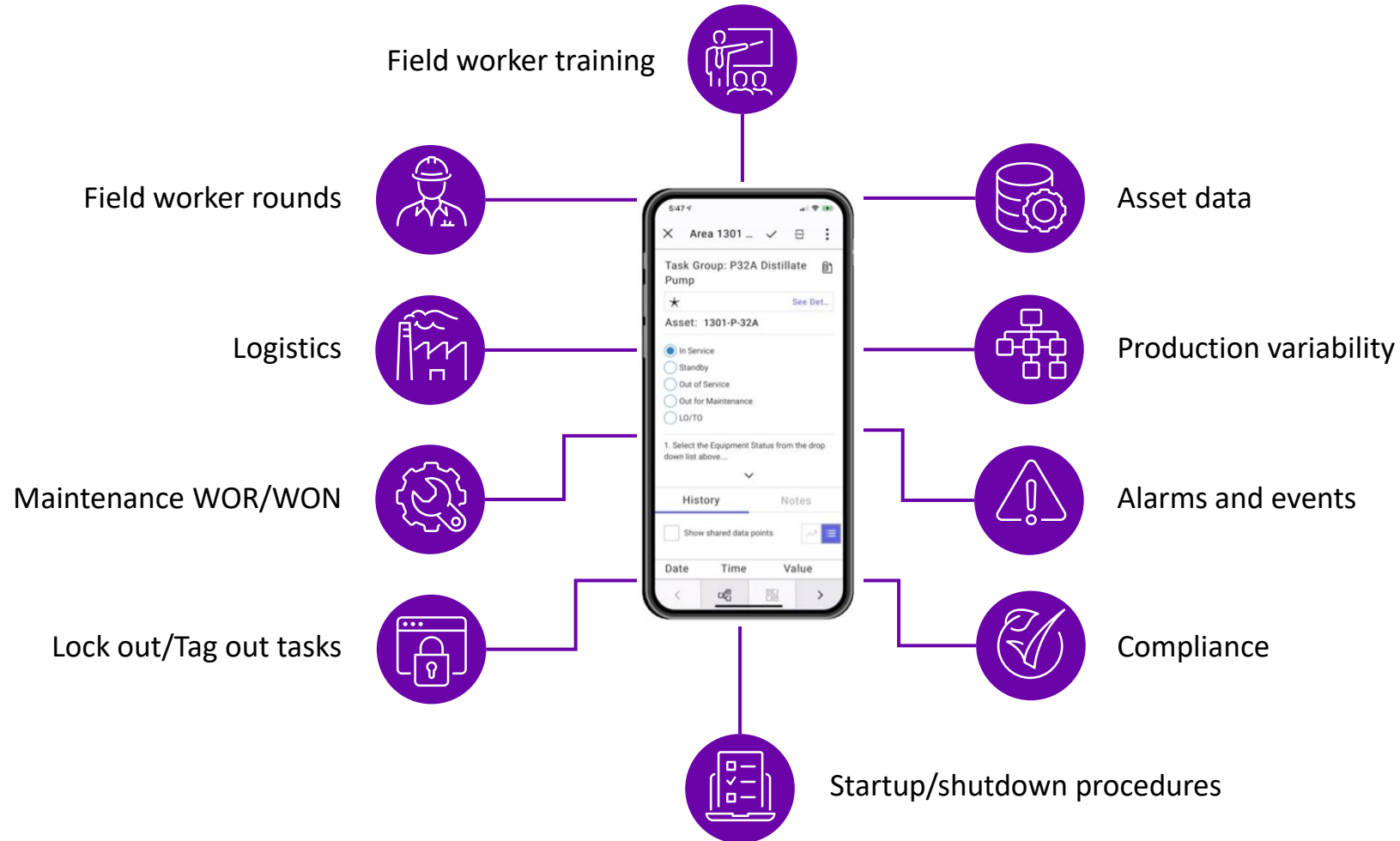
One operational view

Seamless system integration



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Solving frontline challenges with one mobile solution



Procedure sample:

limitations of paper-based work

- Unclear version and date validation
- Incomplete or missing data
- Illegible entries and note errors
- Data recorded in the wrong fields
- Unstructured comments
- Low confidence in collected data

Dagstaat - Sektor E752P -						Datum: 5 mei 2021
Omschrijving	Tag	Eenheid	Min	Max	12 uur	24 uur
DRESSER RAND E752P						
Druk zuig eerste trap	PI E261P/L1	Bar	0	0.6	0.4	0.4
Temperatuur zuig eerste trap	TI E261P/L2	°C	20	30	28	18
Temperatuur koelwater eerste tussenkoeler	TI E362P/L1	°C	15	35	27	28
Druk zuig tweede trap	PI E264P/L1	Bar	3	4	3.5	3.6
Temperatuur zuig tweede trap	TI E264P/L2	°C	35	45	36	36
Temperatuur koelwater tweede tussenkoeler	TI E365P/L1	°C	15	35	28	30
Druk zuig derde trap	PI E267P/L1	Bar	10	13	12	12
Temperatuur zuig derde trap	TI E267P/L2	°C	35	45	28	30
Druk pers derde trap	PI E268P/L2	Bar	32	40	36	32
Temperatuur koelwater uit cilinders						
- 1 ^{ste} trap A	TI E752P/L12	°C	15	30	18	18
- 1 ^{ste} trap B	TI E752P/L10	°C	15	30	23	23
- 2 ^{de} trap	TI E752P/L9	°C	15	25	23	23
- 3 ^{de} trap	TI E752P/L6	°C	30	50	1	1
Kontrolé van druk in de tussenruimte		Barg		1	0.7	0.2
Temperatuur olietank	TI E269P/L2	°C	35	50	39	39
Temperatuur olie voor reductiekast	TI E752P/L2	°C	35	50	37	32
Delta druk over de filter	PDI E269P/L3	Barg	0	0.5	0.46	0.36
Druk olie na filter	PI E752P/L1	Bar			2.7	2.6
Druk pers pomp E552P	PI E552P/L1	Bar		4.5	4.2	4.2
Mechanische pakking lekt niet			ok	nok	ok	ok
Druk pers pomp E553P	PI E553P/L1	Bar		4.5		
Mechanische pakking lekt niet			ok	nok		
Tussenkamers purgeren :						
Trap 1 A	Process		ok	nok	ok	ok
	Olie		ok	nok		
Olie opvangen in maatbeker	Olie	Liter				
	Steun cilinder		ok	nok		
Trap 1 B	Process		ok	nok		
	Olie		ok	nok		
Olie opvangen in maatbeker	Olie	Liter				
	Steun cilinder		ok	nok		
Trap 2	Process		ok	nok		
	Olie		ok	nok		
Olie opvangen in maatbeker	Olie	Liter				
	Steun cilinder		ok	nok		
Trap 3	Process		ok	nok		
	Olie		ok	nok		
Olie opvangen in maatbeker	Olie	Liter				
	Steun cilinder		ok	nok		
Test lampen op controle paneel			ok	nok		

Converting paper to digital

Information accuracy and transparency

- Automatic date and version control
- Mandatory fields prevent missing data
- Guided input ensures correct placement
- Structured notes and comments
- Controlled updates and procedure revisions
- Improved data reliability

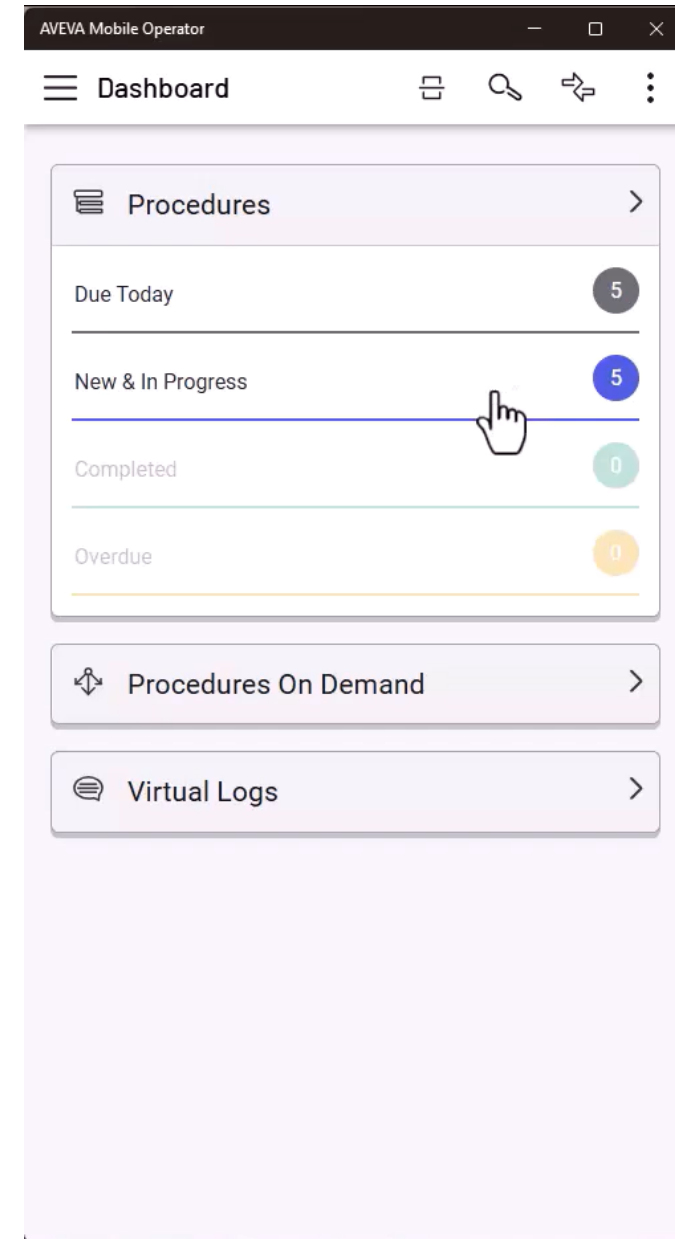
Dagstaat - Utilities -						Datum: 21 december 2020	
Omschrijving	Tag	Eenheid	Min	Max	12 uur	24 uur	
TOORTS							
Stikstofdruk naar toorts	PI U810A/L17	Bar	1	3			
Stikstofdebiet naar toorts	FI U810A	m³/h	1	3			
Controle water uit drain aan de toorts		OK of NOK					
O2 in toortssysteem	AI U210A	%	0	0,3			
Niveau in U210A	LI U210A	%	-	0			
1 ^{ste} Pilotbrander aan	TAH U810A/51	OK of NOK				5%	
2 ^{de} Pilotbrander aan	TAH U810A/52	OK of NOK				OK	
3 ^{de} Pilotbrander aan	TAH U810A/53	OK of NOK				OK	
Gasdruk	PI U810A/L11	Bar	3	5		3,8	
Tijdstip meteropname PI U810A/L11		Uur				3,8	
Gasdruk	PI U810A/L10	Bar	1,5	2		2,3	
Tijdstip meteropname PI U810A/L10		Uur				2,3	
Kontrole drains pilot leidingen		OK of NOK					
Controle stoom U210A : IN DIENST		OK of NOK					
Controle stoomtrap U210A		OK of NOK					
KOELTOREN							
Pomp U551A							
Pomp U552A							
Pomp U553A							
Persdruk							
Temperatuur vertrek koelwater							
Temperatuur retour koelwater							
Druk retour koelwater							
Niveau koeltoren							
Kontrole rotameters op KW'n							
Controle lekken aan additieven							
KOELWATERBEHANDELING							
Niveau zwavelzuurvat							
Werking zwavelzuurpomp							
Geleidbaarheid koelwater							
Spui open							
Purgevatje javel							
Stromen er bellen in buffervatje KT-A							
Level buffervatje koelwater KT-A							
Indien NOK → pugen via top							
Controle level javeltank							
Controle en test alarmen (Proc.info #65)							
AFVALWATER							
Werking pomp U530A							
Werking pomp U531A							
Werking pomp U540A							
Werking pomp U541A							
Werking pomp U520A							

Toorts Inspectie

- Stikstofdruk naar Toorts
- Stikstofdruk te Hoog
 - Believe De standaard hoge Stikstofdruk procedure te volgen
 - Additional High pressure reading check
 - Stikstofdruk bevestigd onder 3 bar
 - pressure Reading back to normal
 - Stikstofdruk bevestigd boven 3 bar
 - High pressure - persistent
- Stikstofdebiet naar Toorts
- Controle Water Uit drain aan de toorts
- O2 in toortssysteem
- Niveau in U210A
- 1ste Pilotbrander aan

Digital procedures in AVEVA Mobile Operator

- Trusted, time-stamped data
- Consistent execution across shifts
- Full transparency and traceability
- Clean, structured operational records
- Simplified audits and compliance
- Higher confidence in operational decisions



Integrations

Connect seamlessly with your existing systems

- Bi-directional integration with third-party systems
- Push and pull data, with support for both standard and custom integrations.

Supported Historians

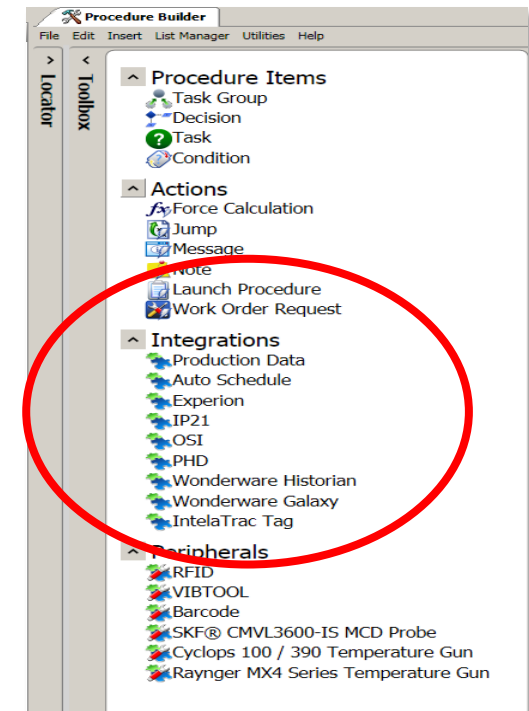
- AspenTech IP21
- Honeywell PHD
- AVEVA PI System
- AVEVA Historian
- AVEVA System Platform

Supported EAM/CMMS

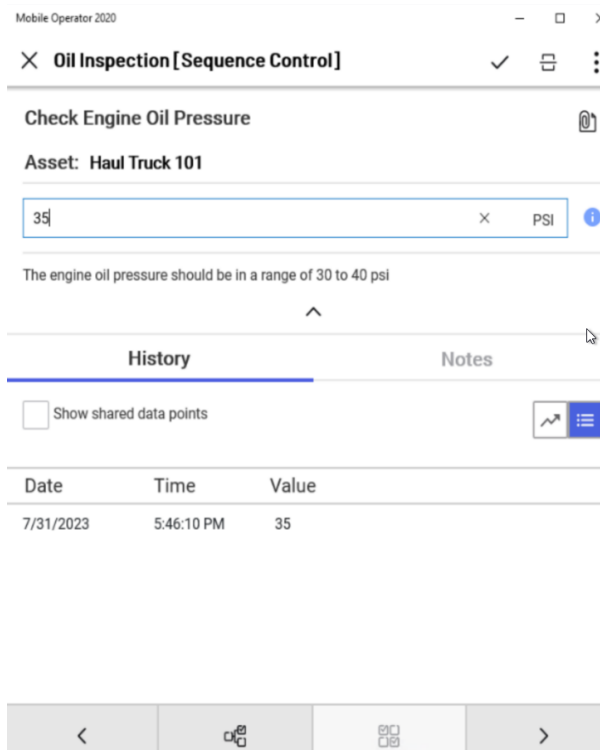
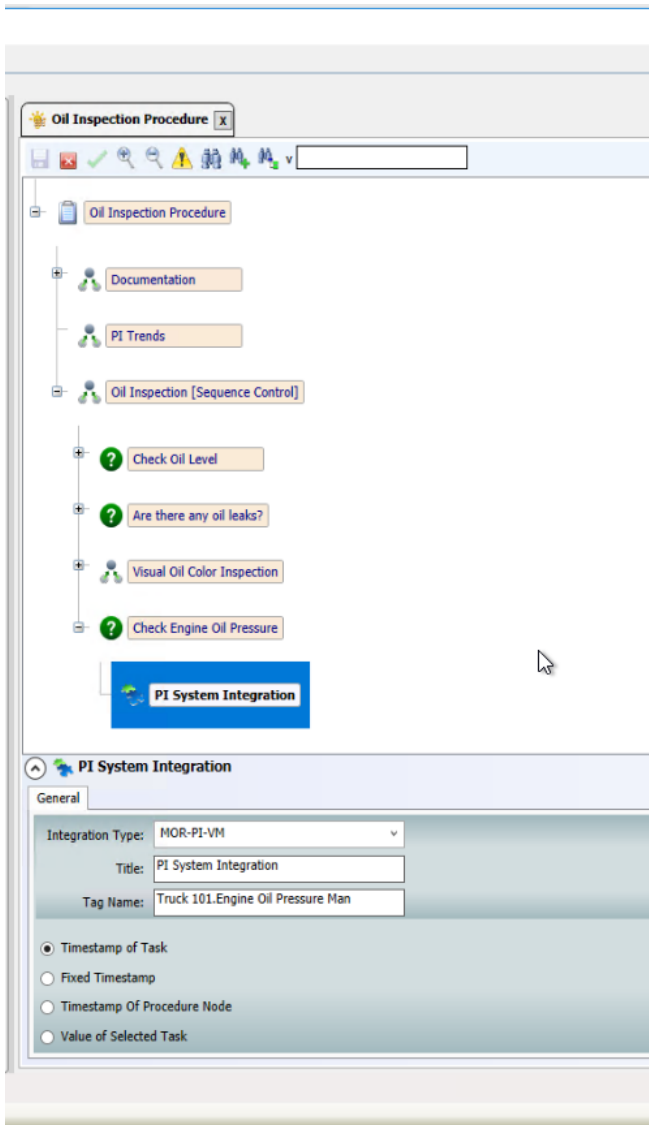
- IBM Maximo
- SAP
- Infor

Custom

- Primavera
- LIMS
- Shift Reports
- GE Energy's System 1
- Document Management
- GPS for Android
- Production Data
- Tietonator EC



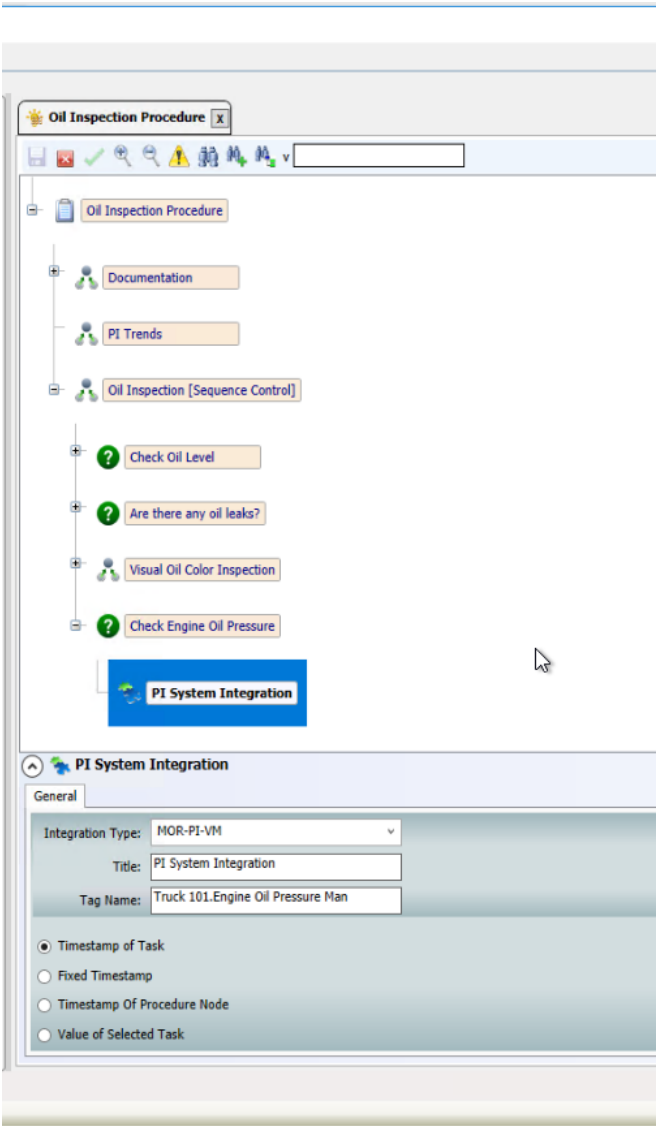
Mobile operator and AVEVA PI System integration example



- Configure procedures with the correct PI tags
- Execute procedures on mobile with situational awareness
- Capture non-instrumented field data
- Guide operators to the next best action
- Store and visualize field data in AVEVA PI System & AVEVA PI Vision

Mobile operator and AVEVA PI System integration example

- Configure procedures with the correct PI tags



Enhancing Human Senses with Technology

From observations to digital intelligence

- Digital companion for frontline operators
- Capture observations, photos, and issues
- Create a trusted inspection trail

Integrated by design

→ Built for AVEVA PI System and more



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Sessions of Interest

Community Group

Extending the value of the PI System across operations

Thursday, May 21 @ 10:00

Amber 2 - Level 2

Visit us at the Expo!

Booth: Maximize reliability and performance through data intelligence and AI



Community
Group

Please remember to...

Navigate to this session in the mobile app to complete the survey.

Thank you!

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