

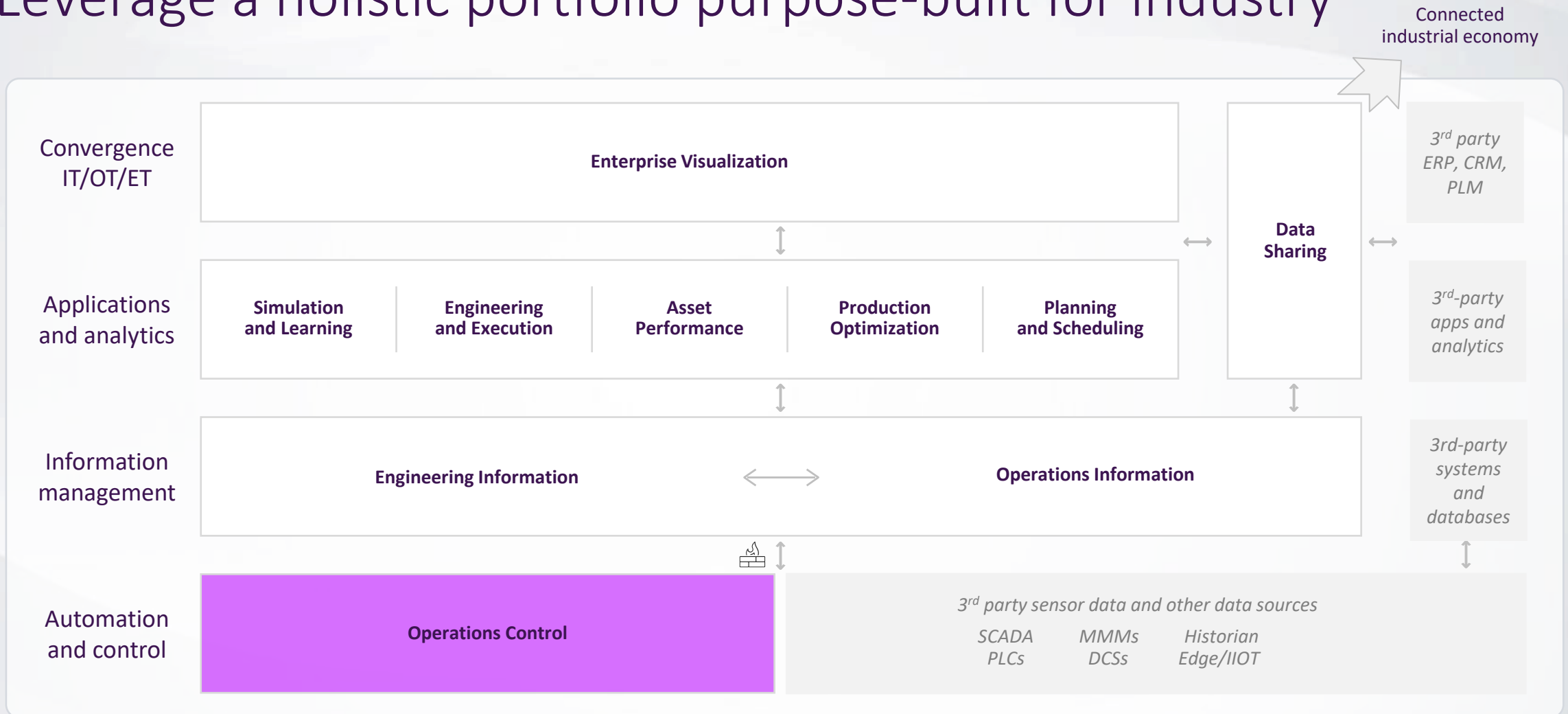
SEPTEMBER 2022

AVEVA Operations Control

Sneak Peek into 2023 and Beyond

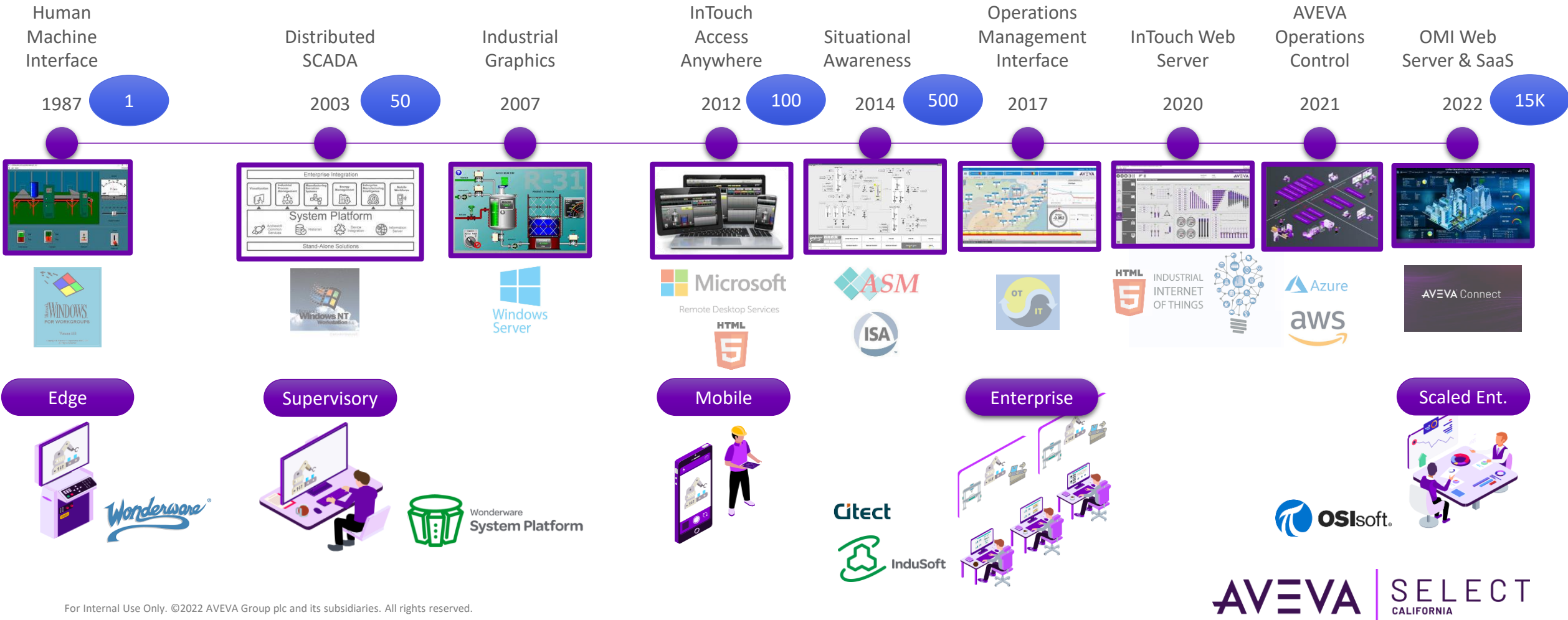
John Krajewski, VP Product Management

Leverage a holistic portfolio purpose-built for industry



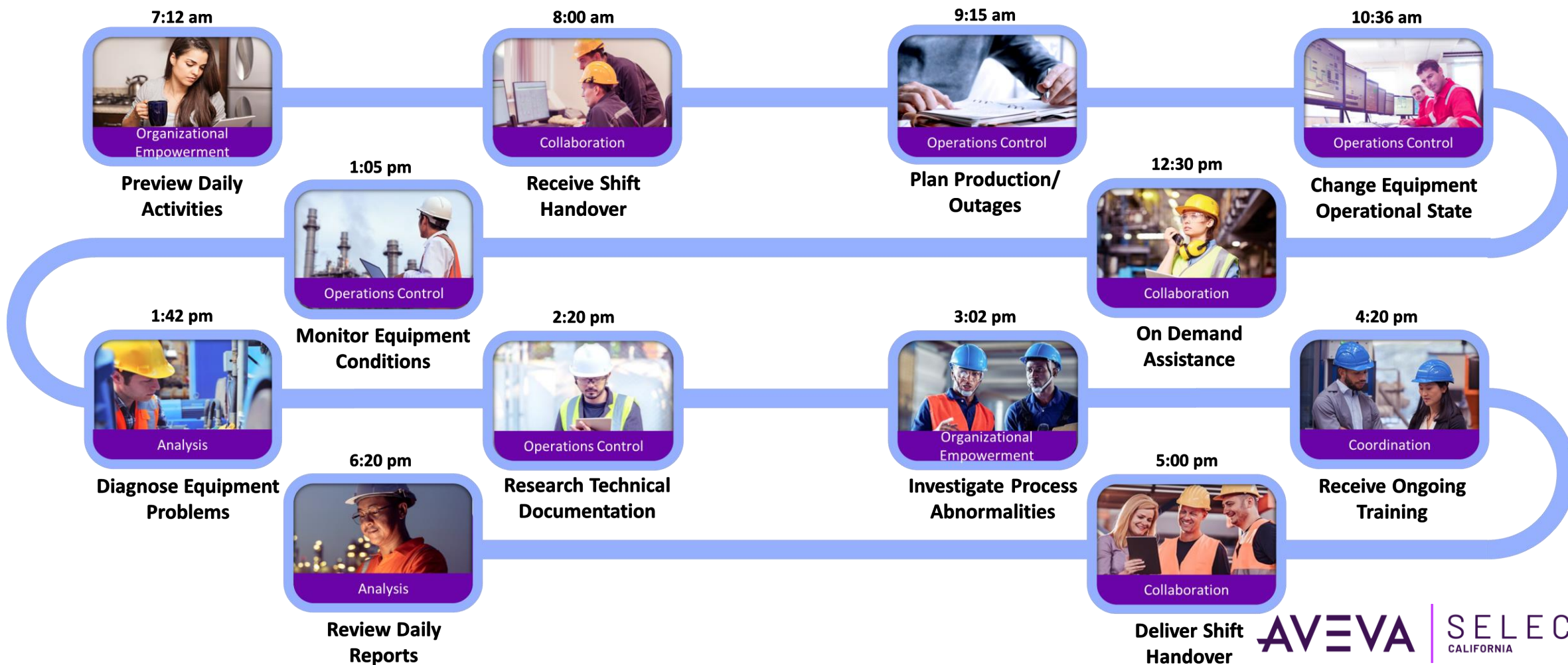
Technical Evolution to Unified Operations Platform

Proven History of Market Leading Innovation



Operations – A Day in the Life

Enabled By AVEVA Operations Control – Hybrid SaaS Solution



7:12 am

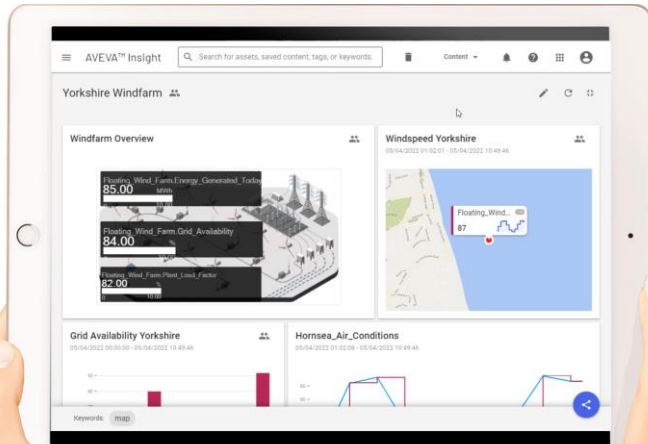
8:00 am



Organizational Empowerment

Preview Daily Activities

Preview your daily activities with remote access to operational data, process visualization, dashboards and detected anomalies that empower you to be prepared to hit the ground running.



Operations Control

Monitor Equipment Conditions

2:20 pm



Receive Shift Handover

8:00 am

9:15 am



Collaboration

Receive Shift Handover

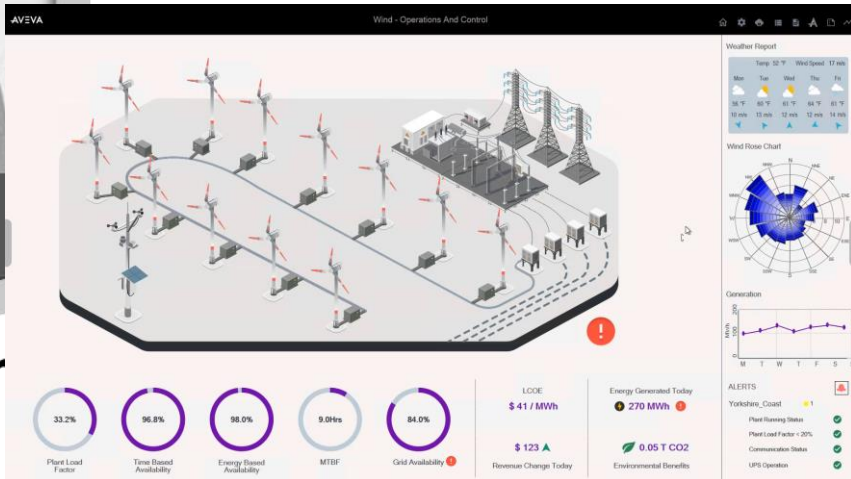
Receive shift handover to easily get up to speed on open activities and ensure continuity in operations across shift changes.

Plan Production/ Outages

12:30



Collaboration



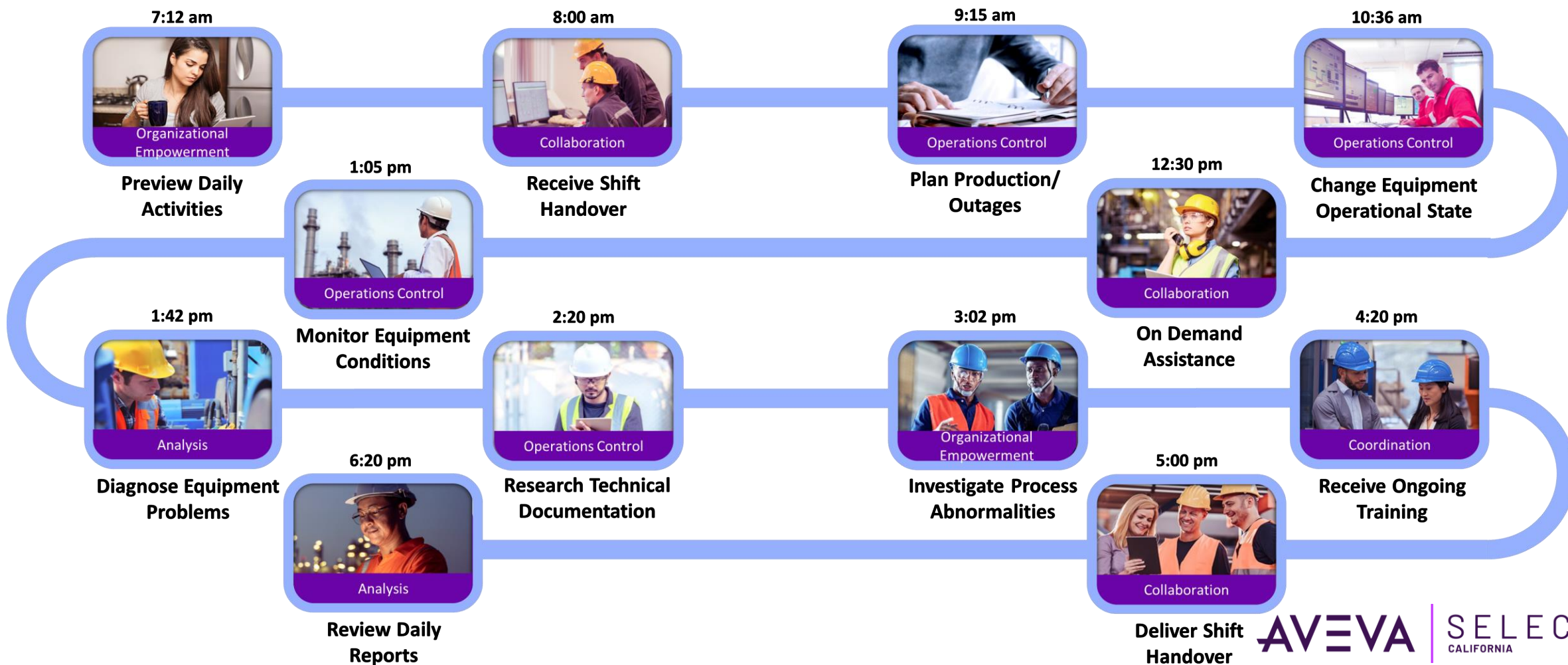
3:02 pm



On Demand Assistance

Operations – A Day in the Life

Enabled By AVEVA Operations Control – Hybrid SaaS Solution



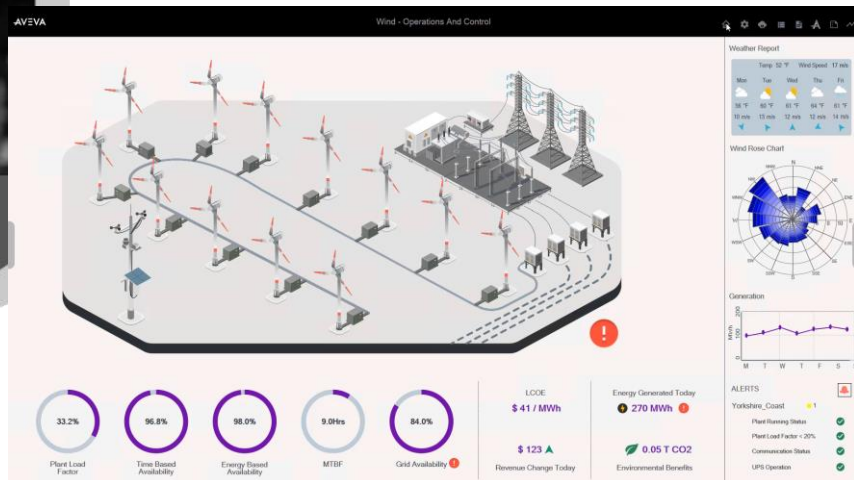
10:36 am



Operations Control

Safely and securely adjust the operational state of your process to achieve the goals of your production plan while maintaining optimal situational awareness.

Change Equipment Operational State



Operations Control

12:30 pm



Collaboration

Change Equipment
Operational Status

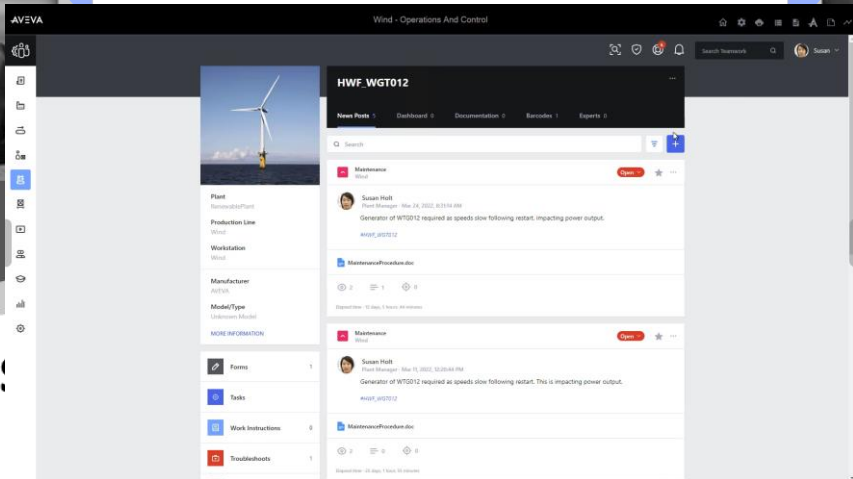
When an unexpected situation arises, easily engage and collaborate with your team to address issues quickly and digitize the knowledge to ensure all staff are prepared for similar situations in the future.

On Demand Assistance



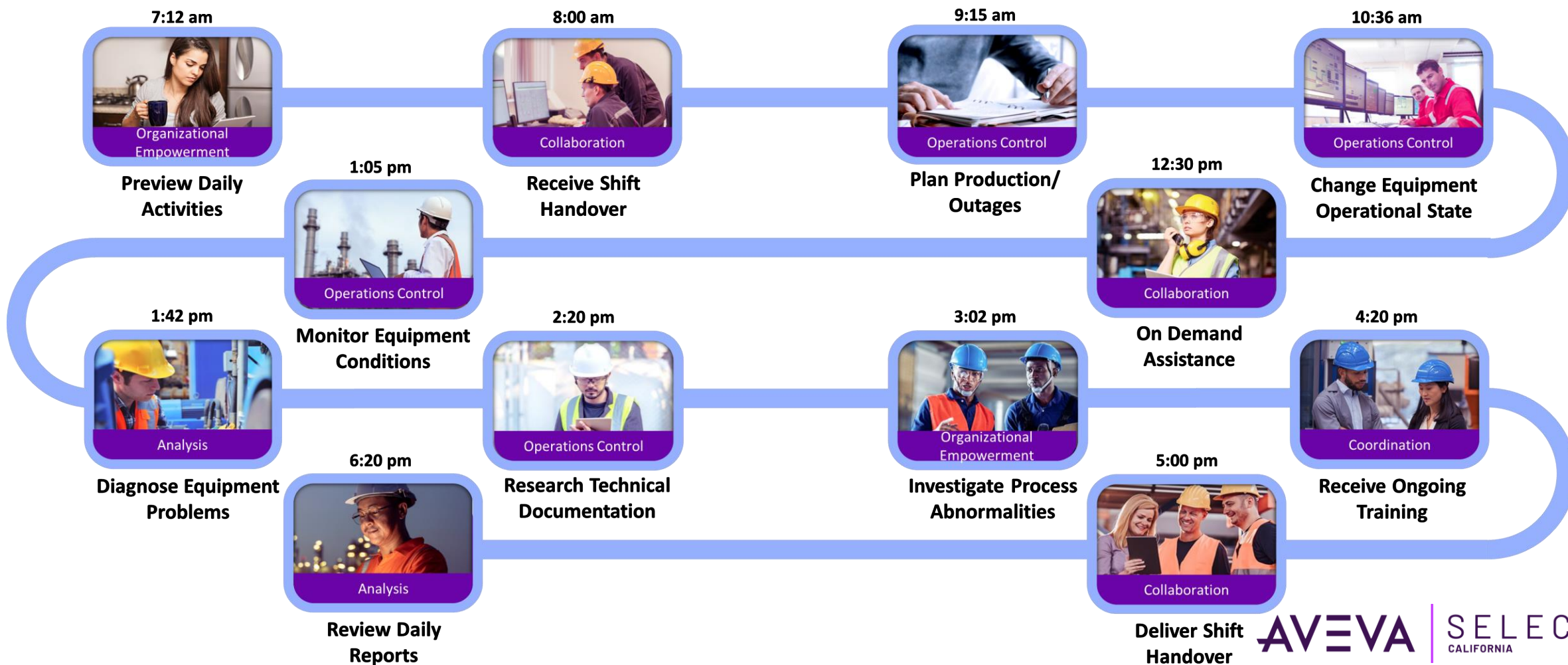
Coordination

Receive Ongoing Training



Operations – A Day in the Life

Enabled By AVEVA Operations Control – Hybrid SaaS Solution



Operations Control

Organiz
Empow

6:20 pm



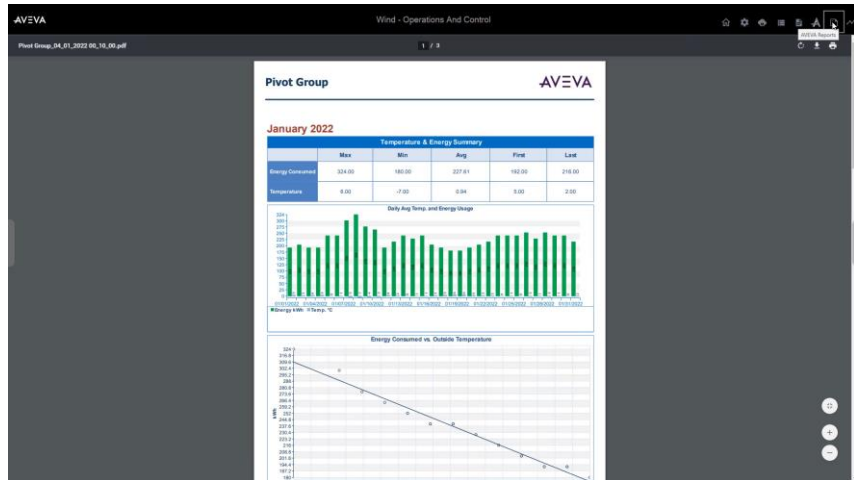
Analysis

Research Technical
Documentation

Investiga
Abnor

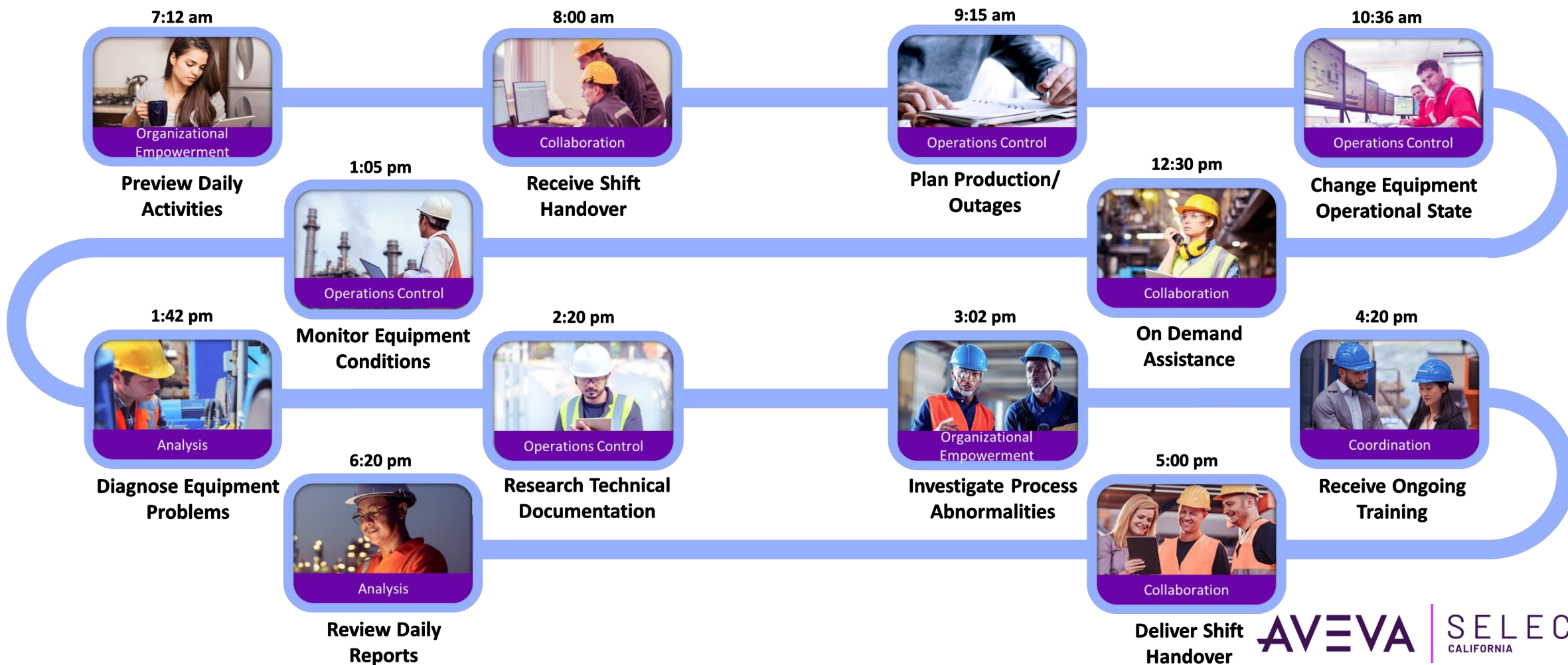
At the conclusion of the shift generate reports automatically to quickly facilitate a review of the outcomes for the shift.

Review Daily Reports



Operations – A Day in the Life

Enabled By AVEVA Operations Control – Hybrid SaaS Solution





AVEVA Operations Control

A comprehensive solution for accessing information and functionality from across AVEVA's broad range of proven applications

- Process, Supervisory and Enterprise Visualization
- Device communication
- Production reporting
- Data analysis
- Team collaboration
- System management
- Workflow
- Manufacturing execution
- Recipe management
- Discrete execution

AVEVA Operations Control

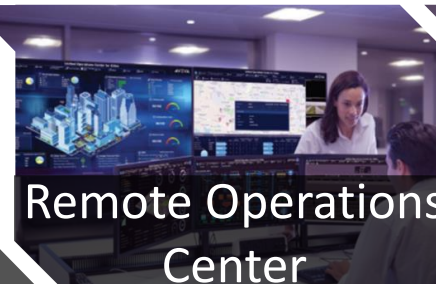
Evolving HMI/SCADA to Operations Control

Enterprise Edition

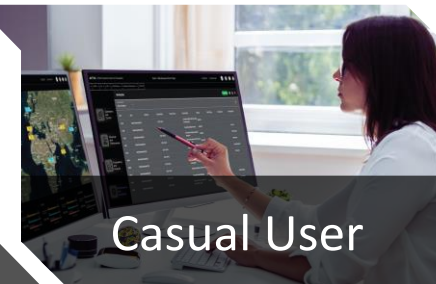
Long Term Focus
(up to 1 Year)
Enterprise View
IT/OT Convergence



Command Center



Remote Operations Center



Casual User

Supervisory Edition

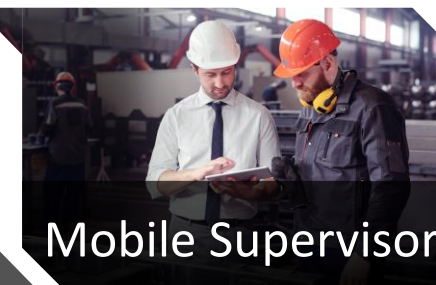
Medium Term Focus
(up to 1 Week)
Process View
OT Convergence



Control Room



Area Workstation



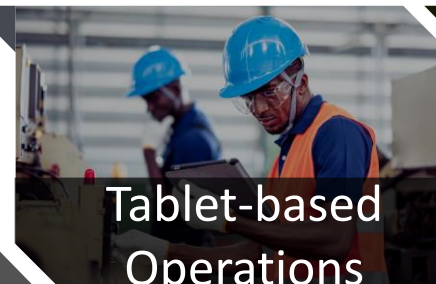
Mobile Supervisor

Edge Edition

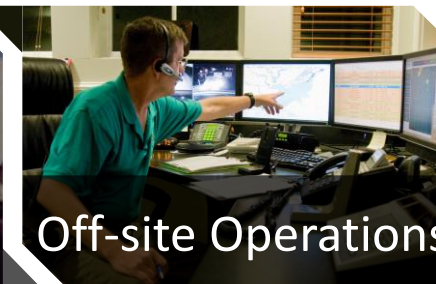
Short Term Focus
(up to 1 Shift)
Work Cell View
Control Convergence



Panel-based Operations

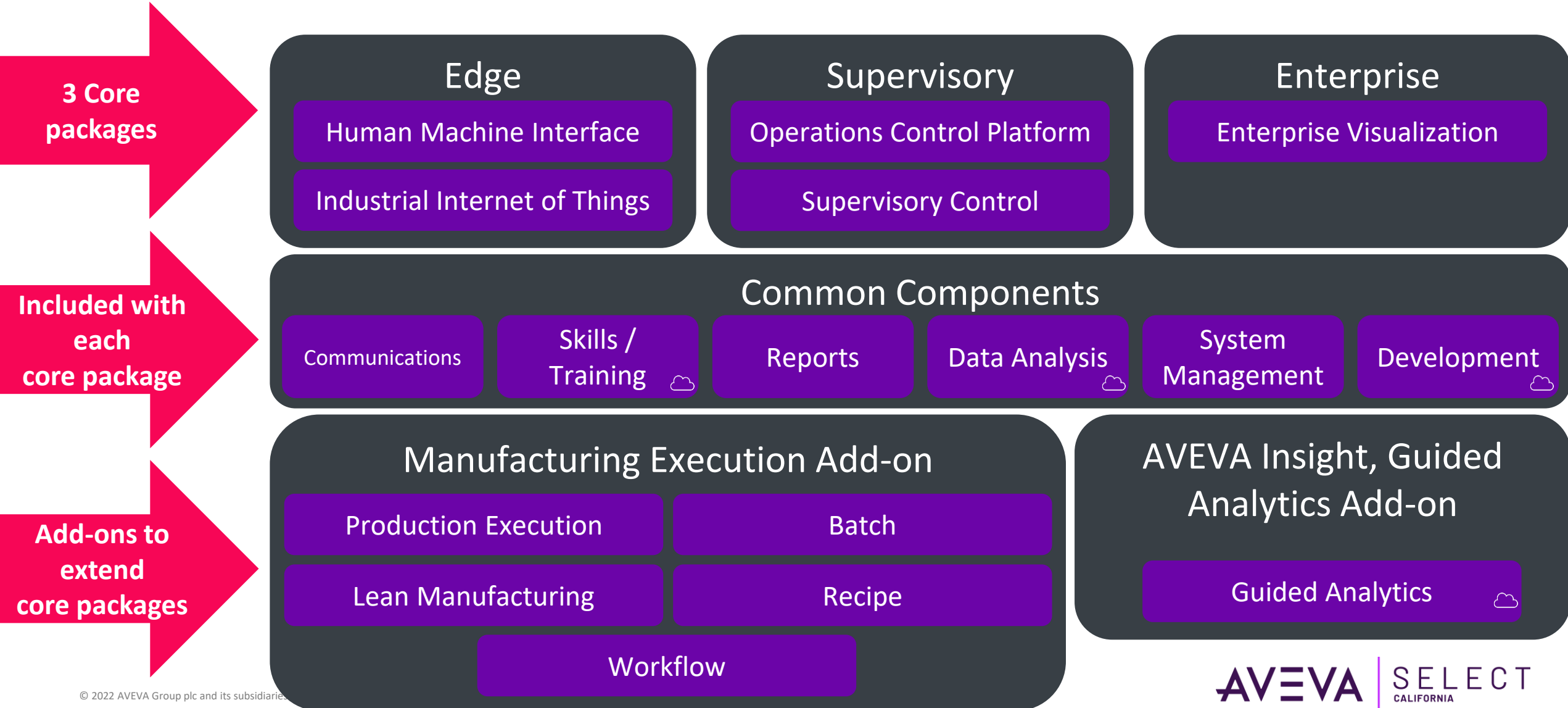


Tablet-based Operations

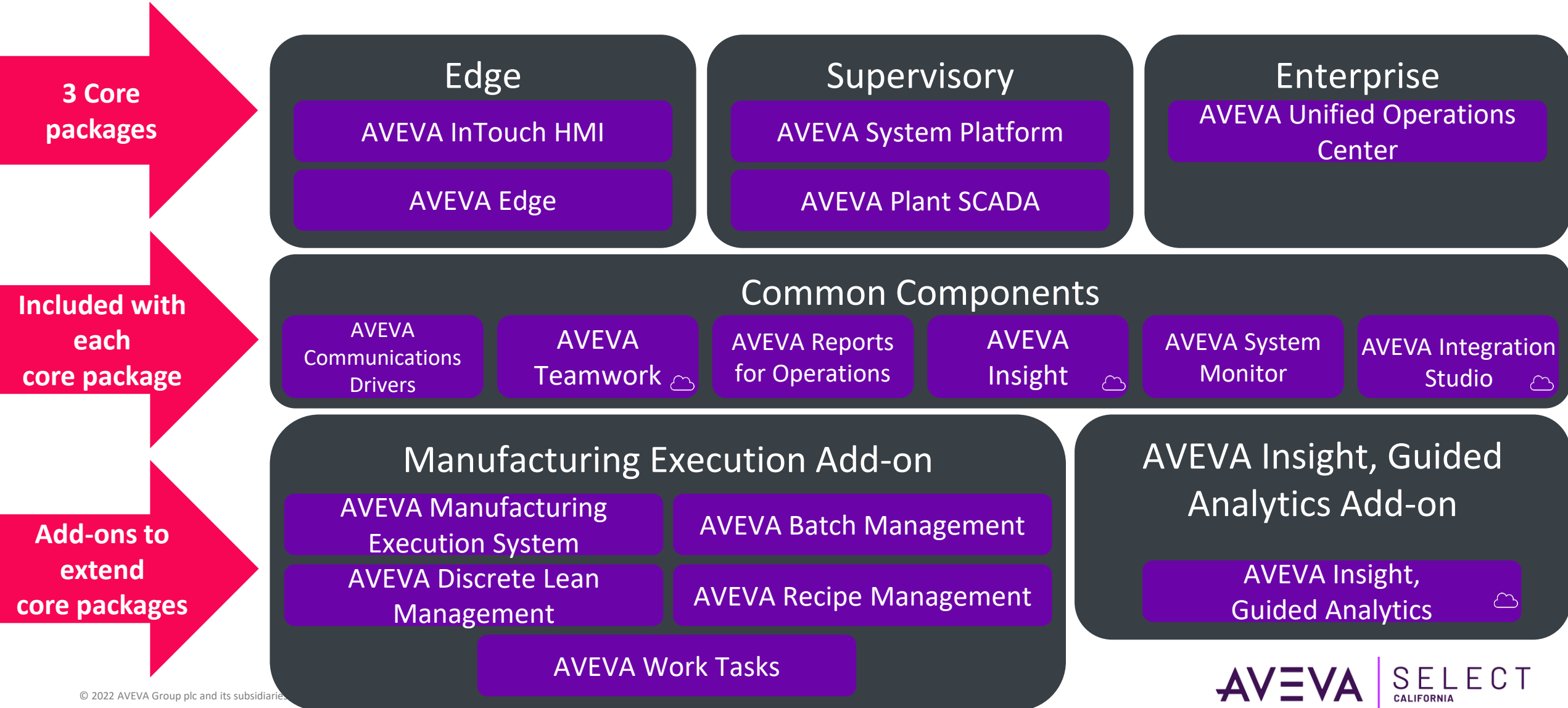


Off-site Operations

AVEVA Operations Control – an AVEVA Flex Subscription



AVEVA Operations Control – an AVEVA Flex Subscription



Latest Release: 2023

AVEVA Operations Control 2023

General Availability: Q3 CY2022

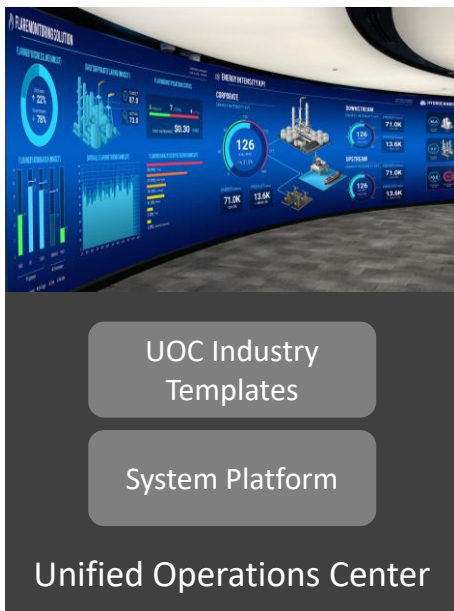


AVEVA Operations Control - Enterprise Edition

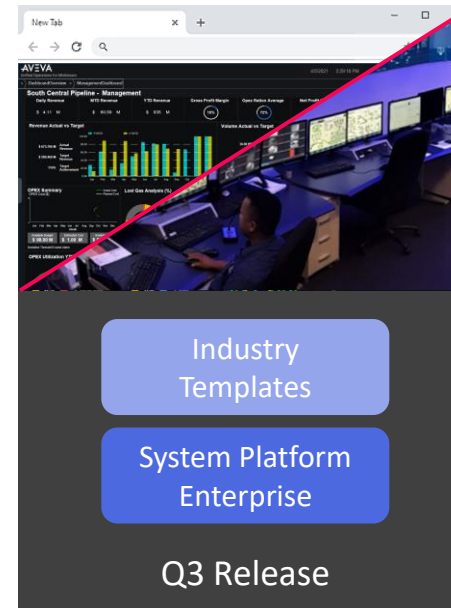
Shift towards a cloud-native framework

Available

2022 Q3



- Single instance
- On-premises desktop application
- Physical location (Room/Center)
- OT or IT network
- Industry templates recommended



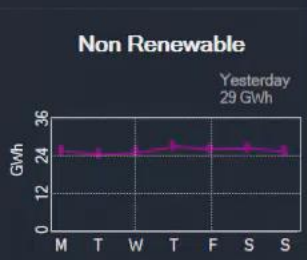
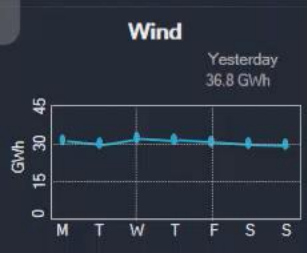
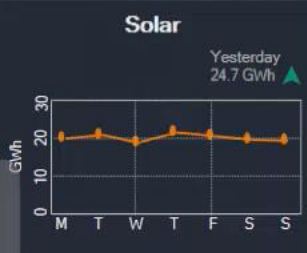
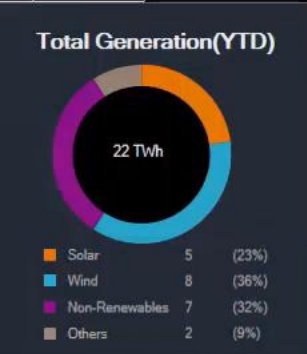
- Single instance
- On-premises browser application
- Limited local network mobility
- OT or IT network
- Industry templates recommended
- Initiate Workspaces – Citizen Dev “PI Vision”

System Platform Enterprise

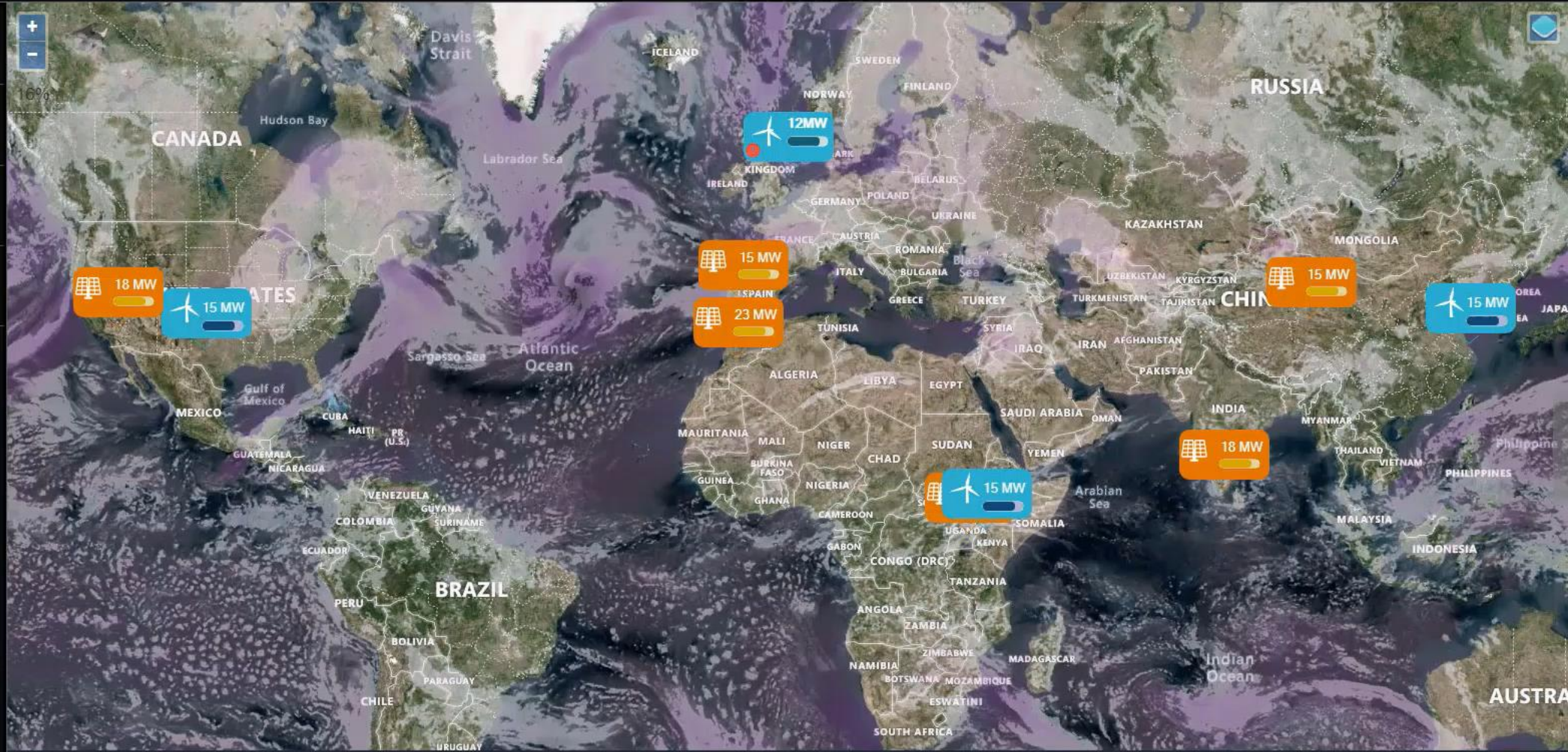
OMI Web Client

PI Vision / Power BI Integration

Web Widget Pack



- OPERATION
- REVENUE
- FORECAST
- MAINTENANCE



Region	Total TWh	Solar %	Wind %	Non-Renewables %
North America	2.94 TWh	71%	61%	61%
Africa	3.99 TWh	72%	72%	72%
Europe	2.94 TWh	71%	71%	71%
Australia	1.89 TWh	74%	73%	74%
Asia Pacific	3.99 TWh	57%	58%	58%

AVEVA Operations Control - Supervisory Edition

Innovation and Modernization

Available

2022 Q3



System Platform

Plant SCADA

Supervisory Control

- Multiple Offers – AVEVA System Platform and AVEVA Plant SCADA
- AVEVA Operations Management Interface Introduction
- New - Industrial Graphics available in Plant SCADA
- OMI Apps – PLC Logic Viewer, AI Vision, Graphic Repeater



System Platform

Plant SCADA

Q3 Release

- System Platform – Scalability (DEV/RT)
- System Platform IDE – Modernize UI/UX
- PI System – Historian Replication to PI Server
- MQTT Publishing – Sparkplug Spec
- OMI Apps – Grid, Vision
- AI Vision Assistant

PI System
& Data Hub
Integration

Modernized
Development
Environment

Cloud
Integration

Extensibility:
UA, MQTT,
61850. &
Apps



Recycle Bin



AVEVA OMI
Applicati...



11:19 AM
4/19/2022

Search Results
3 matches

3 TAGS
All Tags

Mixed data

3 TAGS
I/sec :

Numeric data

Mixed data

4/11/2022 11:53:08 am - 4/11/2022 2:08:08 pm



InletFlow (l/sec) : InletFlow.SP (l/sec) : OutletFlow (l/sec) :

30D 7D 3D YESTERDAY TODAY 1H CUSTOM

Search

Quality problem
Acme Charleston

Lisa Allen
Operator - Aug 31, 2021 at 1:23 pm

Line 1 has a red light that won't go away except when run a box through the line. Any advice?

Equipment 1 - Charleston



0 0 1 0 likes

Acme Chemical News
Corporate

AVEVA Operations Control - Edge Edition

Innovation and Convergence

Available

2022 Q3



InTouch HMI

Edge

Human Machine Interface

- Multiple Offers – AVEVA Edge and AVEVA InTouch HMI
- Initiated Web
- Initiated Linux
- Initiated Mobile
- Initiated Industrial Graphic Adoption



InTouch HMI

Edge

Q3 Release

- Web Client Adoption Enablers
- Unlimited Tags – New Tag Dictionary
- Common Mobile Application
- Advance Linux Runtime & Drivers
- Advance Web Runtime/Responsive
- Industrial Graphics - Windows

InTouch:
Enhanced
Web /
Mobile

InTouch:
Modernized
Development
Environment

InTouch:
Unlimited
Tag
Support

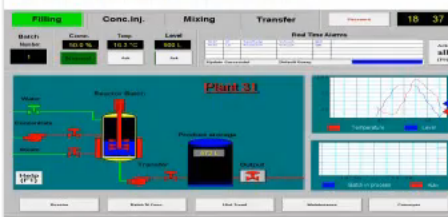
Edge:
Python
Script
Support

Application Main Data Import View

Icons: + New, Delete, Duplicate, Open folder, WindowMaker, WindowViewer, DBLoad, Import, Refresh, Rename, Properties..., Change thumbnail, DBDump, Export, Refresh


InTouch OMI Web Client

Demo Application 1280 x 1024



Standalone 1280 x 1024

InTouch Introductory Demo 1080p




Standalone 1920 x 1080

NewApp_001

The same application is being edited in another session or did not close properly. Click to reload.

Standalone 1920 x 1080

NewApp_002



Standalone 0 x 0





What's New?

Dashboard 1

Basics

Dashboard 2

Content

Dashboard 3

Advanced

Process Examples

Situational Awareness

Meters

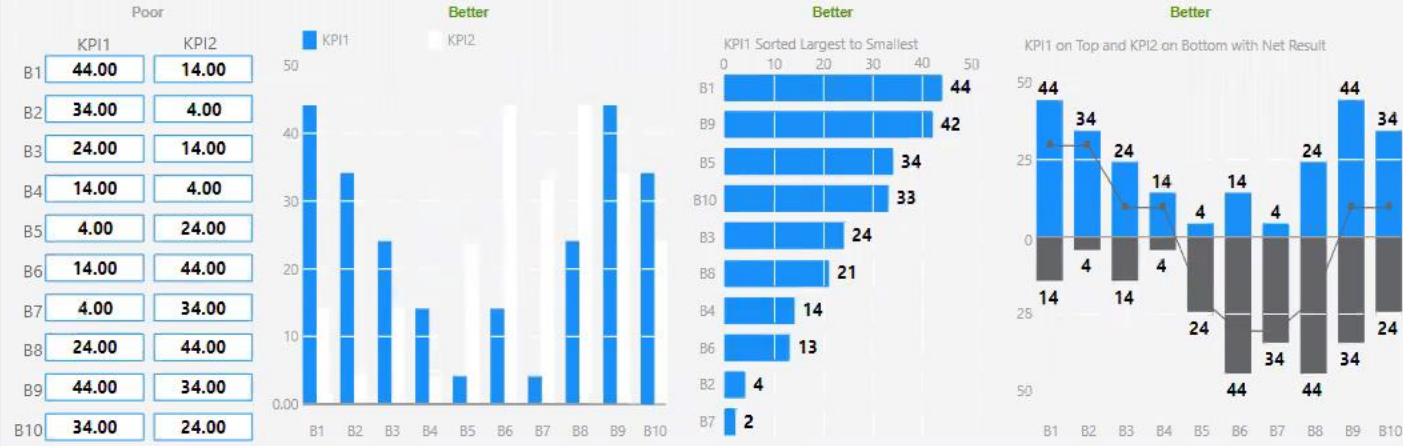
Styles

Situational Awareness Overview

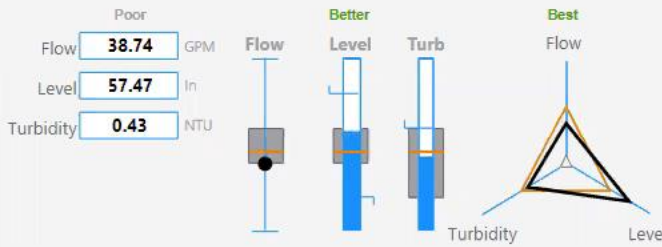
Which visualization style gives the best understanding how FIT123 is performing?



Which visualization style best communicates data patterns and relationships in real time?



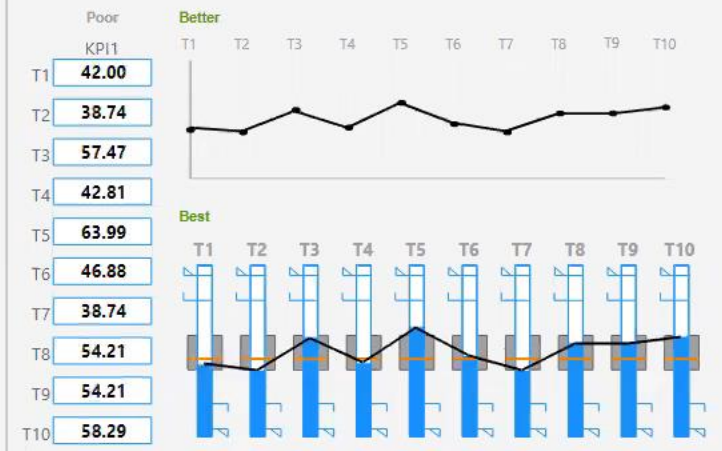
Which style best communicates how well the Filter 100 process is performing?



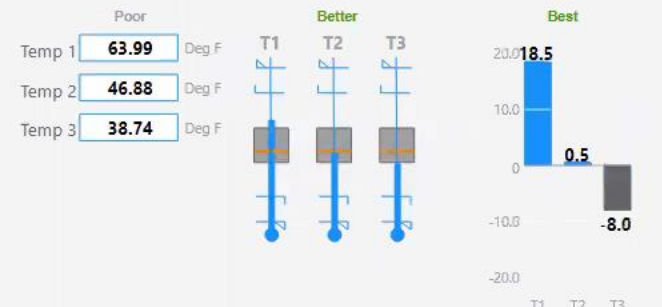
Which visualization style best allows analysis and comparison across multiple KPIs?



Which visualization style best allows analysis and comparison across multiple...

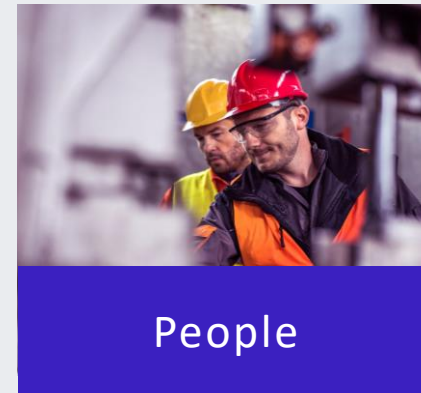


Which visualization style best communicates overall control loop performance?



HMI/SCADA to Operations Control

Comprehensive and best-of-breed solutions delivering proven results



Evolve HMI/SCADA to Operations Control with collaboration, connected worker, and awareness

Converge engineering, operations, and business data in context for end-to-end enterprise visibility

謝謝
 DZIĘKUJĘ CI
 NGIYABONGA
 TEŞEKKÜR EDERİM
 DANKIE
 TERIMA KASIH
 СПАСИБО
 GRAZIE
 МАХАДСАНИД
 ПAKMET CИЗГЕ
 GO RAIBH MAITH AGAT
 БЛАГОДАРЯ
 GRACIAS
 ТИ БЛАГОДАРАМ
 TAK DANKE
 RAHMAT
 HATUR NUHUN
 PAKKA PÉR
 HATUR NUHUN
 PAKMAT CAҒA
 CÁM ƠN BẠN
 WAZVIITA
 TAPADH LEIBH
 KEA LEBONA
 БАЯРЛАЛАА
 MISAOTRA ANAO
 WHAKAWHETAI KOE
 DANKON TANK TAPADH LEAT
 MATUR NUWUN
 ХВАЛА ВАМ
 MULŢUMESC
 KÖSZÖNÖM
 GRAZIE
 МАХАДСАНИД
 고맙습니다
 GRAZIE
 SHUKRA
 HVALA
 FAAFETAİ
 ESKERRIK ASKO
 HVALA
 TEŞEKKÜR EDERİM
 OBRIGADO
 DANKJE
 EΥΧΑΡΙΣΤΩ
 GRATIAS TIBI
 AČIŪ
 SALAMAT MAHALO IĀ 'ŌE
 TAKK SKALDU HA
 МЕРЦИ
 GRAZZI
 PAKKA PÉR
 ありがとうございます
 DI OU MÈSI
 ĎAKUJEM
 SIPAS JI WERE
 TERIMA KASIH
 UA TSAUG RAU KOJ
 TI БЛАГОДАРАМ
 СИПОС
 FALEMINDERIT