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Optimize asset utilization & efficiency with AVEVA™ Insight OEE and guided analytics

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AVEVA

How does OEE help optimize asset utilization and efficiency?



How does OEE help optimize asset utilization and efficiency?

- OEE evaluates how **effectively a manufacturing operation is utilized**
- OEE **quantifies how well a manufacturing unit performs** relative to its **designed capacity**, during the periods it is **scheduled to run**
- OEE KPIs highlight the **loss and profit potential**... it's the “**lens of opportunity**”
- OEE data provides the opportunity to **control and address the losses** – which improves **productivity, quality and profitability**

OEE is most effective when it is aligned with business objectives and used to measure progress in improving the effectiveness and efficiency of a manufacturing process...

Typical outcomes delivered by OEE solutions?

30%

Quality improvement

30%

More equipment
uptime

20%

Reduction in
manufacturing costs

10%

Increased productivity

20%

OEE improvement



Introduction to AVEVA Insight



Introduction to AVEVA Insight

Our Operations and Asset Management Cloud Solution

Simple to start, simple to use, out-of-the-box...

5 mins.

From zero to cloud

24/7

Data accessibility

8,000+

Connected systems

30%

Improvement in
operational efficiency

What's included in AVEVA Insight...

- Connectivity to 300+ industry standard drivers
- Built in publishers for 30+ AVEVA products
- Restful API for data access and integration
- Secure access from any location, any device
- Search based navigation
- Time series analysis
- Process graphics
- Geolocation / mapping
- Customizable dashboards
- Condition management, alerts and notifications
- Out-of-the-box unsupervised machine learning
- Asset efficiency monitoring and tracking

Introduction to AVEVA Insight

Fully Integrated add-on modules for optimizing asset utilization and efficiency

Asset Efficiency/OEE Module



Monitor and measure plant asset utilization and efficiency, and easily identify areas for continuous improvement with root cause analyses.

Guided Analytics - AI/Machine Learning Module



Continuously **monitor and identify abnormal process conditions** that potentially lead to **degradation of asset utilization and efficiency**.

Industry Focus: Food & Beverage, CPG, Specialty Chemical, Metals and General Manufacturing

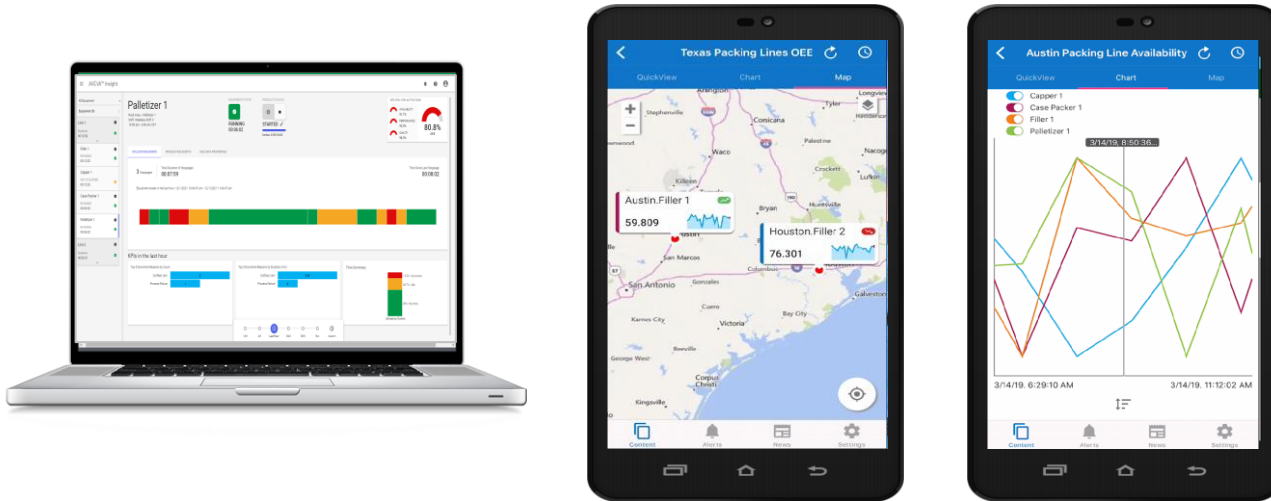
Introduction to AVEVA Insight OEE module capabilities

Overview



Introduction to Insight OEE module capabilities

Solution Overview



SaaS Offering

- Fully Managed/Hosted by AVEVA

Manual & Automated Data Collection

- Utilization & Production Events

Production Line & Equipment Monitoring

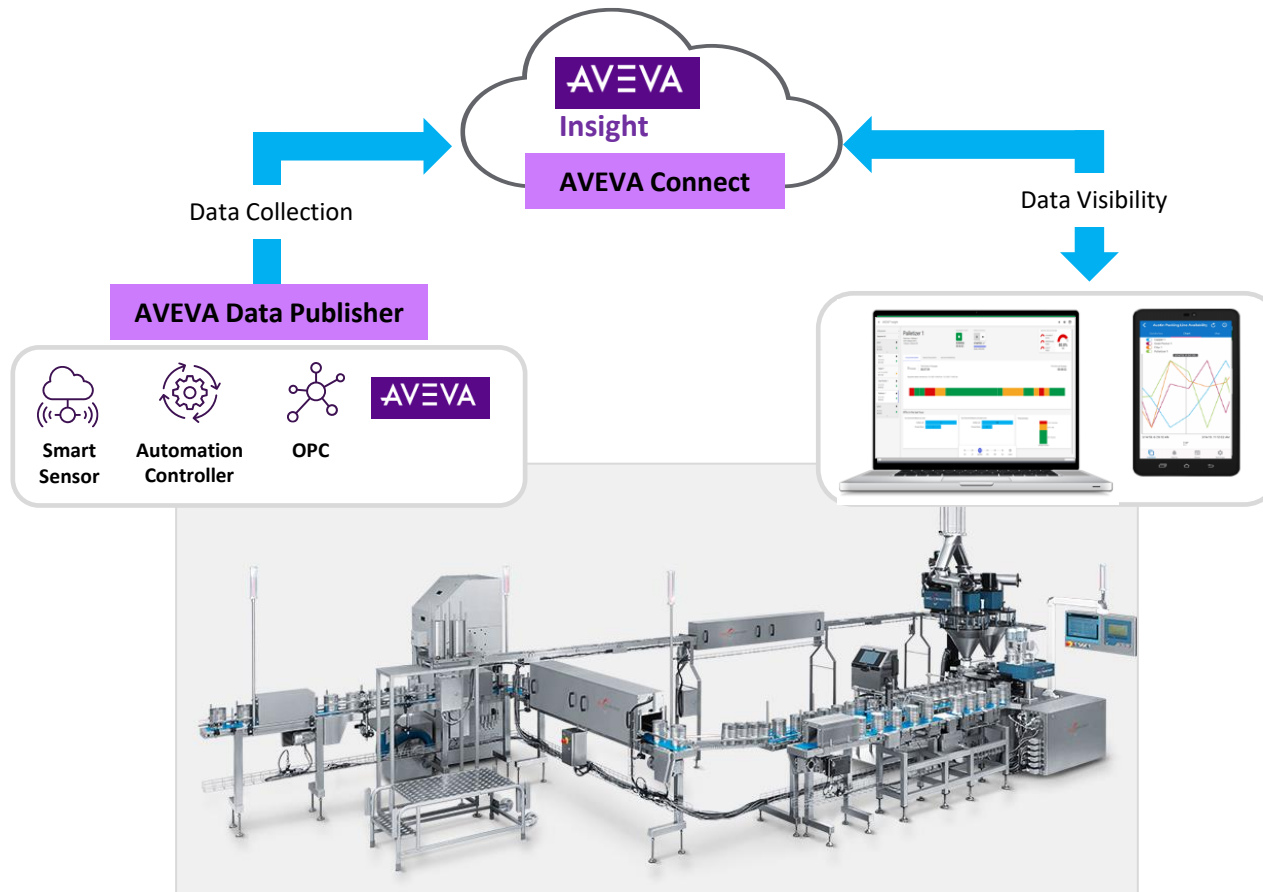
- Utilization Events & KPIs
- OEE, Availability, Performance, & Quality KPIs
- Production Run Status vs. Plan

Reporting & Analysis

- KPI Comparison Across Equipment
- Detailed Root Cause Analysis on OEE, Availability, Performance & Quality KPIs

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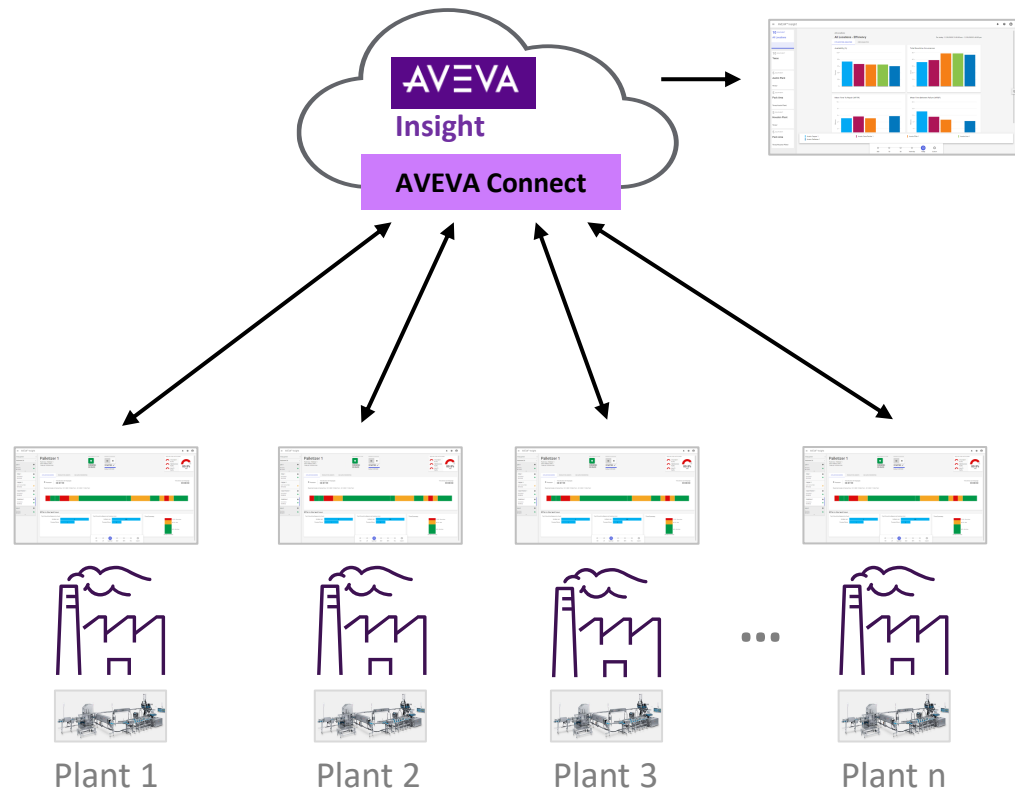
Enabling Semi-Automated and Manual Plants



- Replaces manual data recording with modern, cloud-based data collection and real-time asset efficiency monitoring experience
- Empowers broader set of stakeholders with accurate, real-time asset efficiency data inside and outside of the plant
- Supports automatic data collection via a lightweight data publisher that integrates to smart sensors, edge devices, automation systems, etc.

Introduction to Insight OEE module capabilities

Delivers enterprise-wide efficiency management/OEE capabilities



- Enables rapid deployment across a network of manufacturing plants
- Easily scales to support small and large deployments
- Significantly reduces TCO – minimal IT infrastructure required in the plants, fully managed/hosted by AVEVA
- Facilitates the ability to easily benchmark and improve equipment efficiency across your manufacturing network

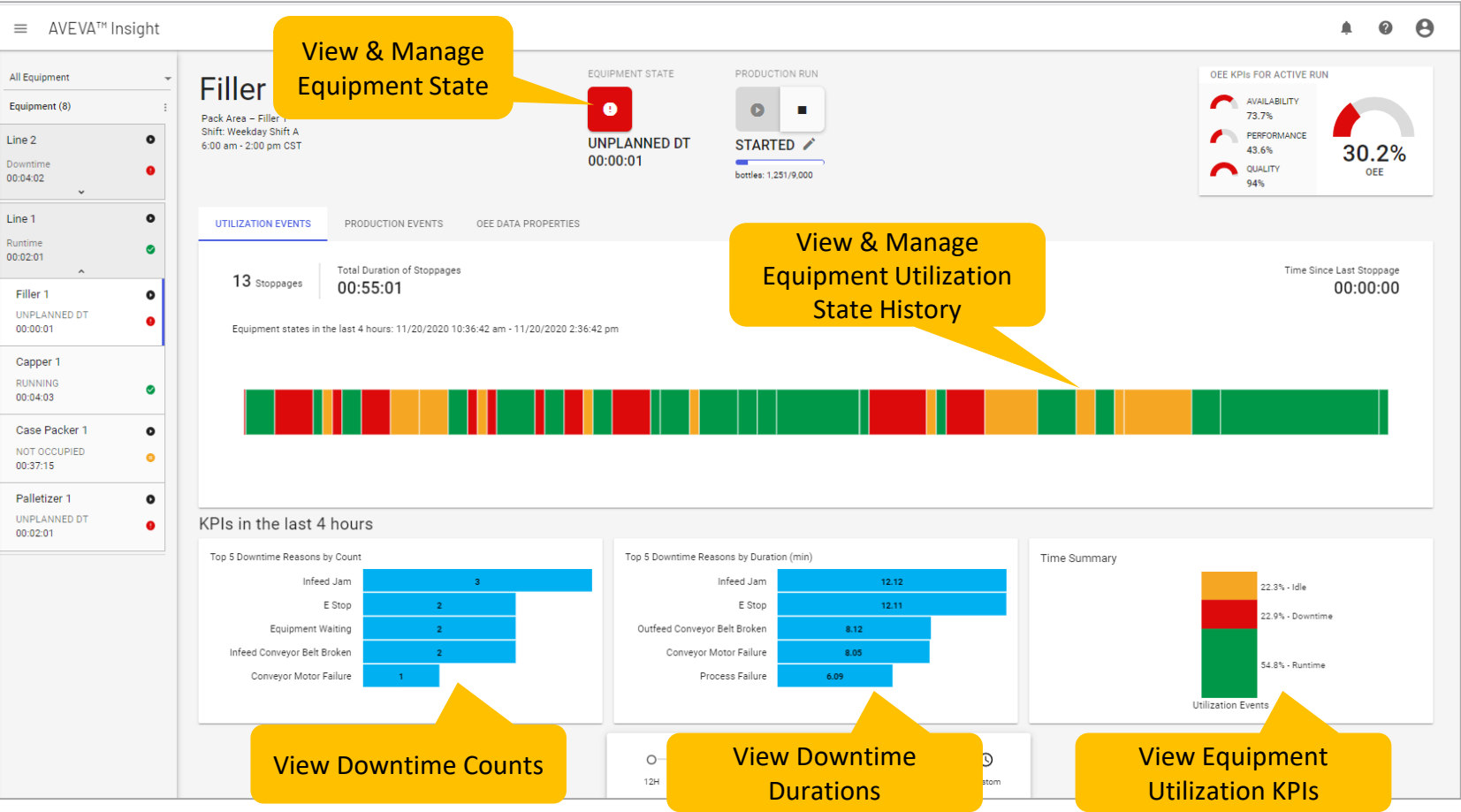
Introduction to AVEVA Insight OEE module capabilities

Monitor equipment utilization and OEE



Introduction to Insight OEE module capabilities

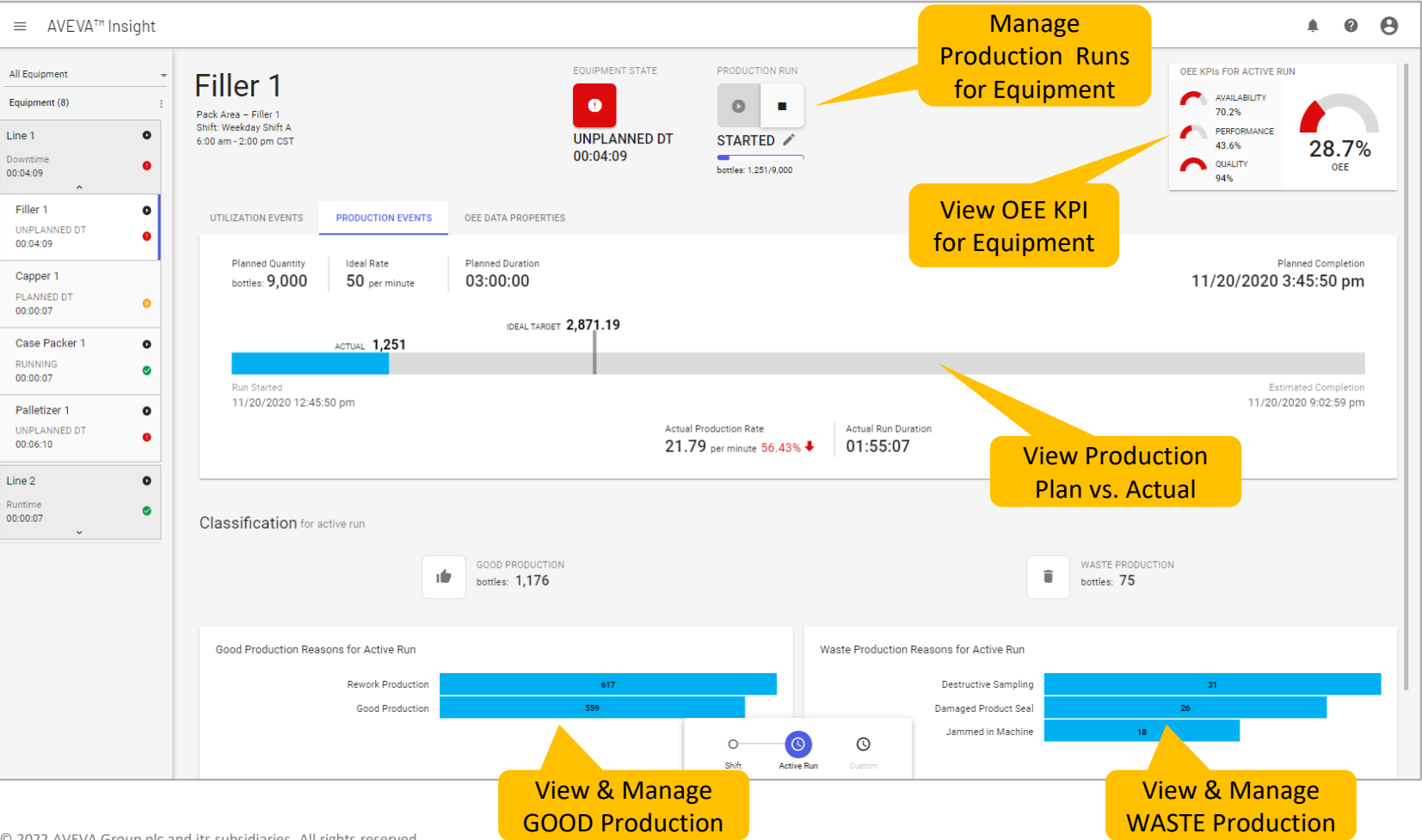
Equipment utilization monitoring experience



Provides real-time visibility to equipment efficiency details

Introduction to Insight OEE module capabilities

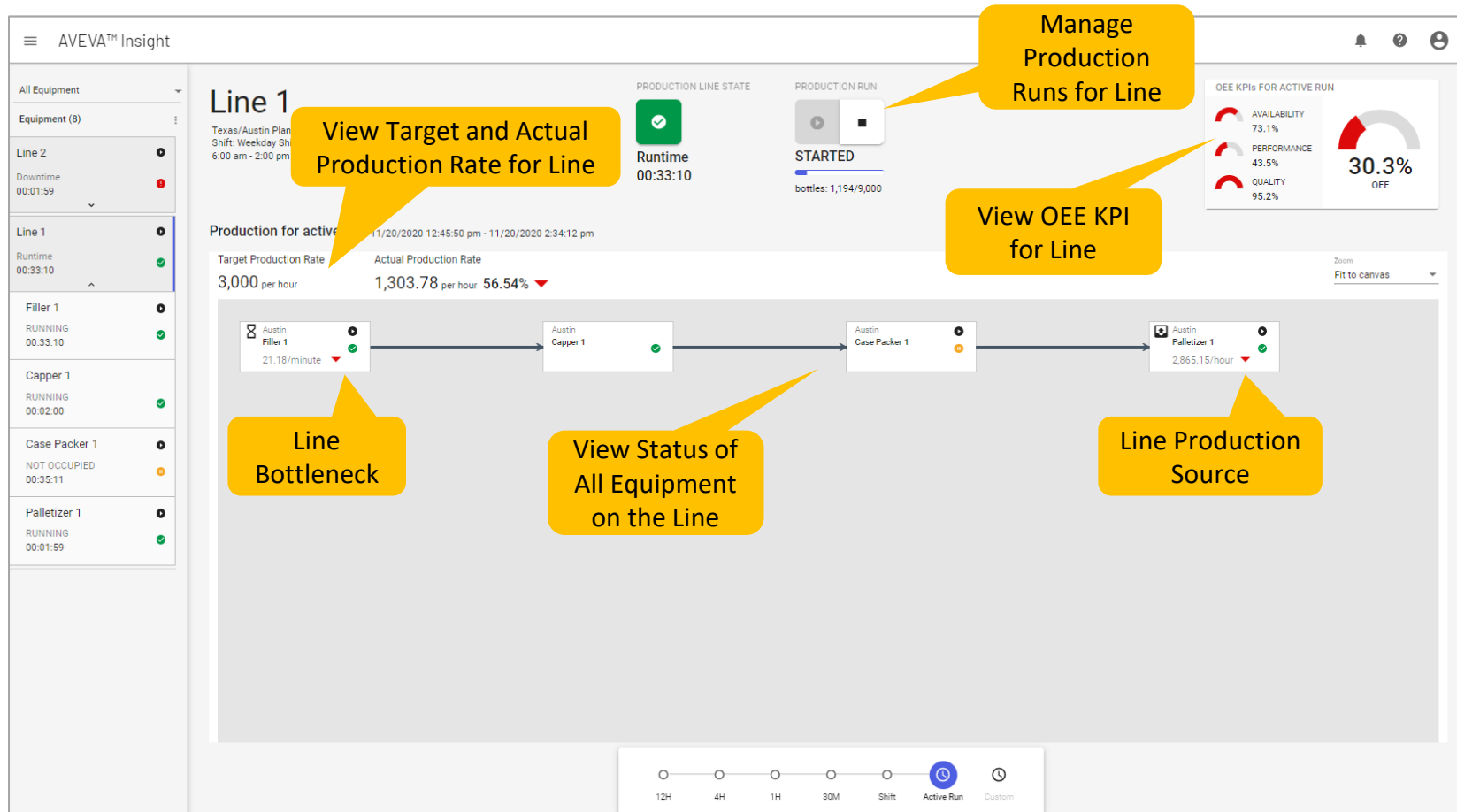
Equipment OEE/production monitoring experience



Provides real-time visibility to equipment production details and plan vs. actual production rate

Introduction to Insight OEE module capabilities

Production line monitoring experience



Provides real-time visibility to overall efficiency of entire production line

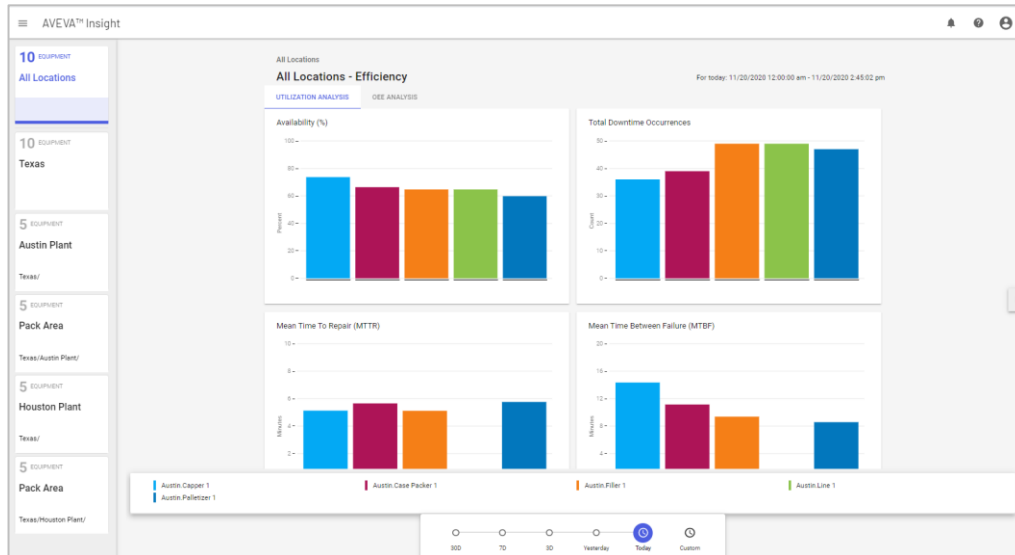
Introduction to AVEVA Insight OEE module capabilities

Analyze Equipment Utilization & OEE Data



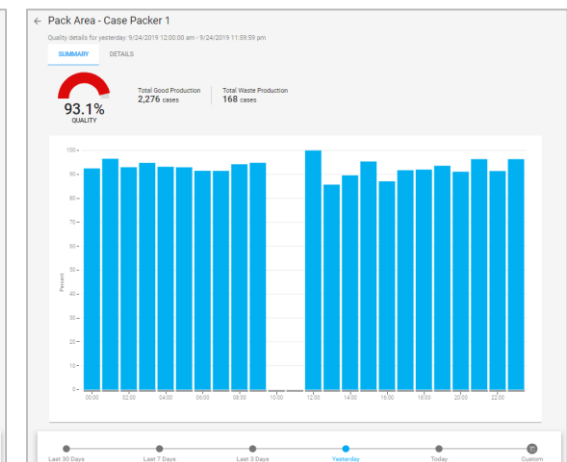
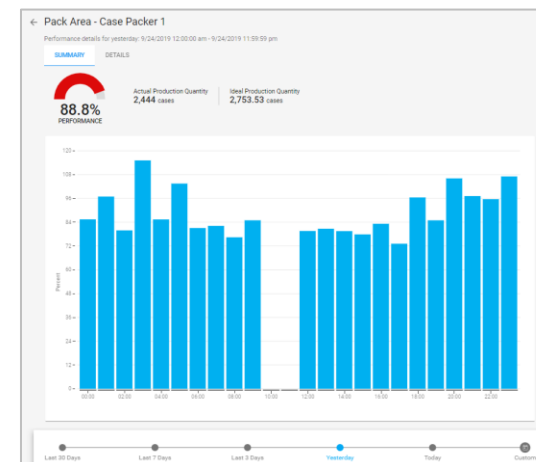
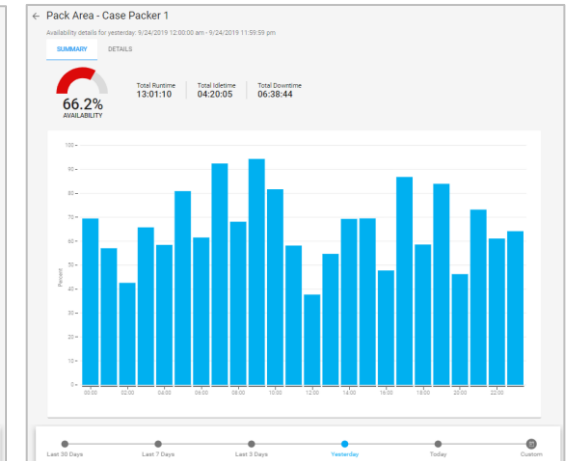
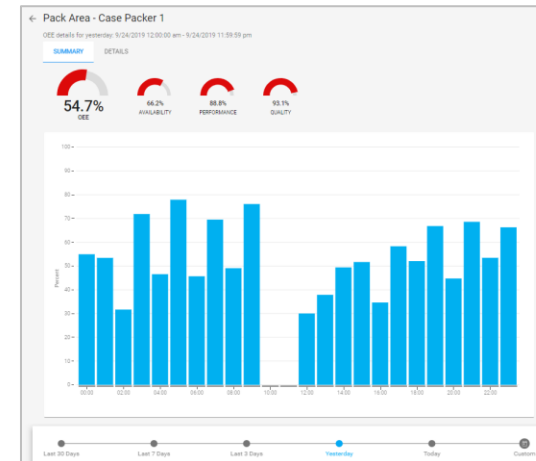
Introduction to Insight OEE module capabilities

Equipment efficiency analysis experience



Out-of-the-Box (OOB) Reporting & Analysis

- KPI Comparison Across Equipment
- Detailed Root Cause Analysis on OEE, Availability, Performance & Quality KPIs
- All Efficiency Data Exposed via REST APIs





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Related Sessions

- AVEVA Learning Lab – AVEVA Insight Introduction (Monday 1:00 – 4:00 & Tuesday 2:00 – 5:00)
- Deploying an Asset Utilization & Efficiency Solution with AVEVA Insight OEE (Thursday 1:30 - 2:15)

Questions?

Please wait for the microphone
State your name and company



Please remember to...


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



Thank you

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AVEVA is a global leader in industrial software, sparking ingenuity to drive responsible use of the world's resources. The company's secure industrial cloud platform and applications enable businesses to harness the power of their information and improve collaboration with customers, suppliers and partners.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. With operations around the globe, we are headquartered in Cambridge, UK and listed on the London Stock Exchange's FTSE 100.

Learn more at www.aveva.com