



AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

CONNECT

MAY 20, 2026

AVEVA MES + CONNECT

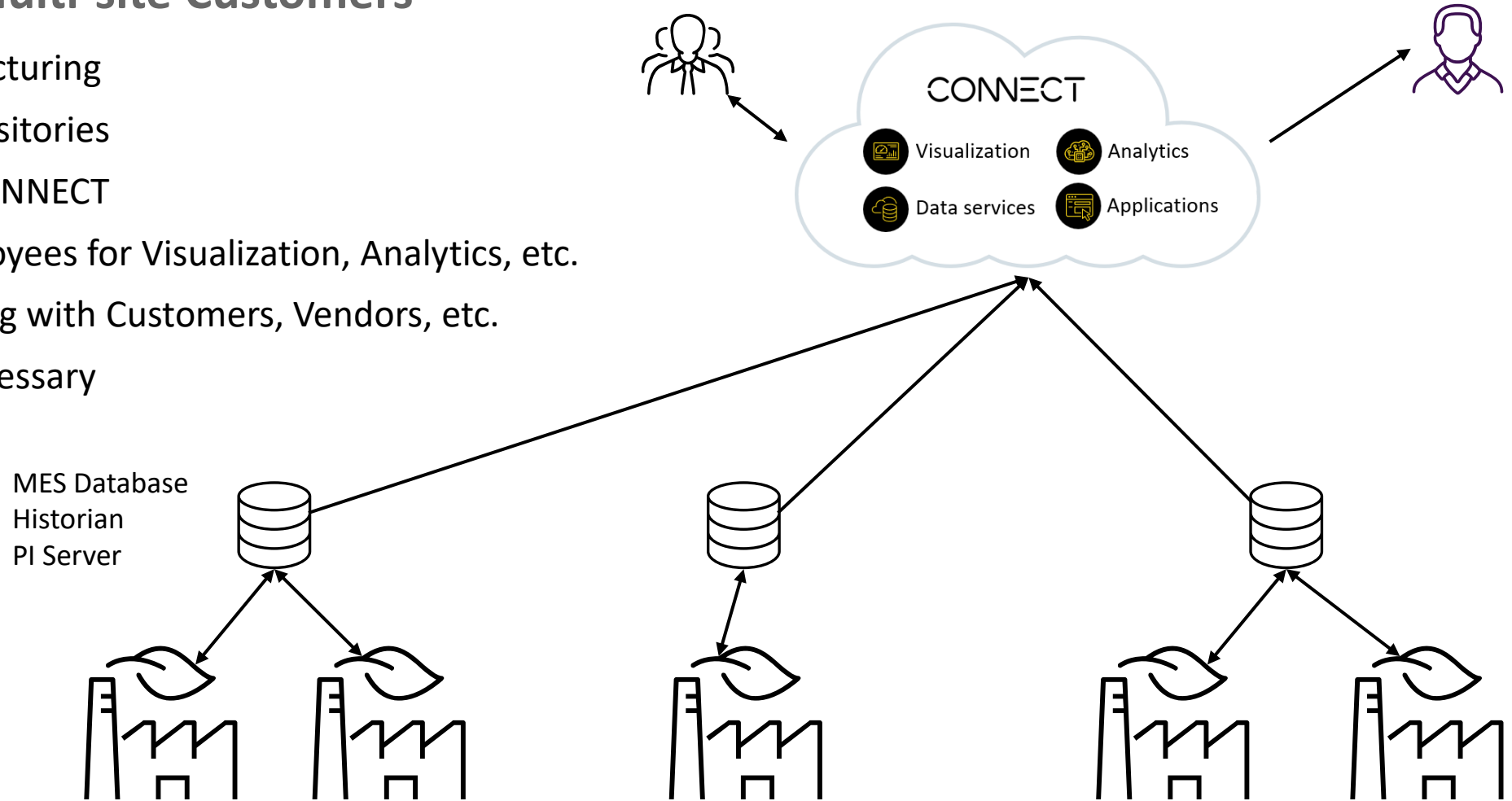
AVEVA MES Event Data from Multiple Sites Presented in CONNECT

Presented by: Jeff Barkehanai

CONNECT Cloud Infrastructure

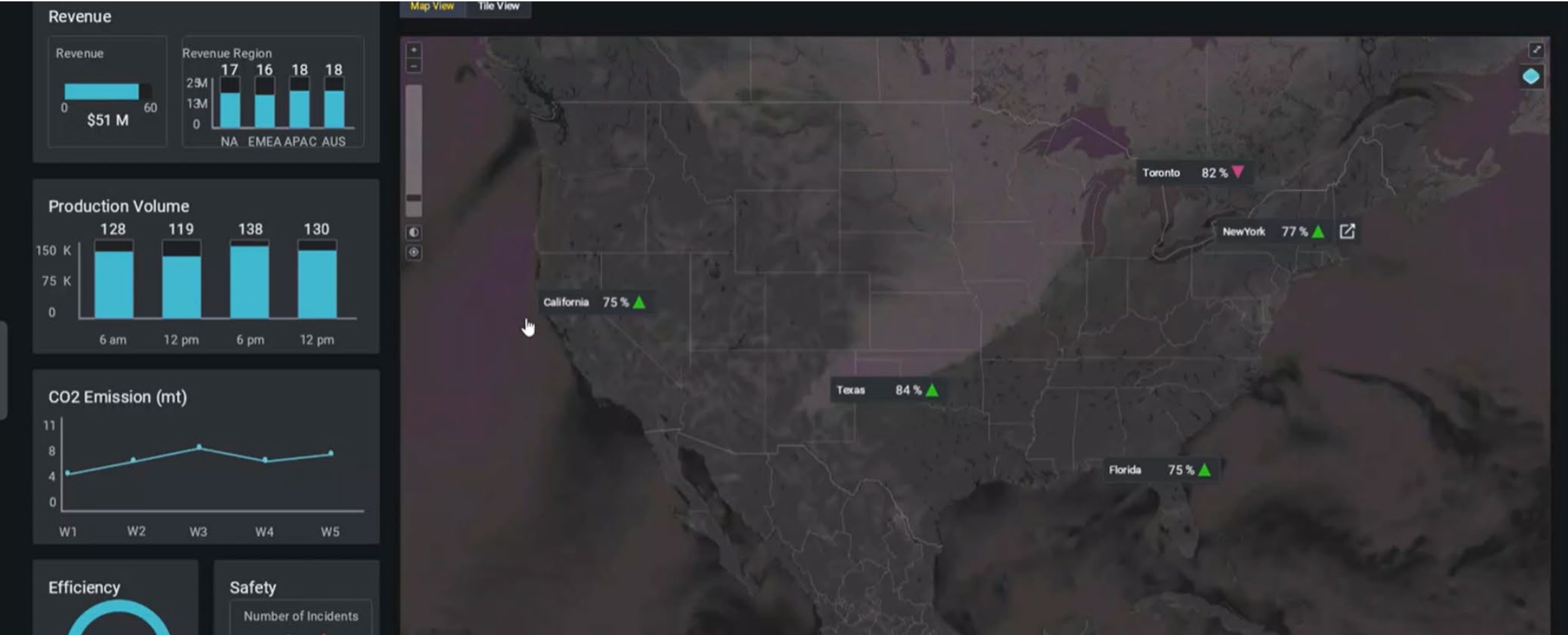
Designed for Multi-site Customers

- Multi-site Manufacturing
- Various Data Repositories
- Publish Data to CONNECT
- Accessed by Employees for Visualization, Analytics, etc.
- Community Sharing with Customers, Vendors, etc.
- Expand When Necessary



MES Asset Hierarchy Published to CONNECT

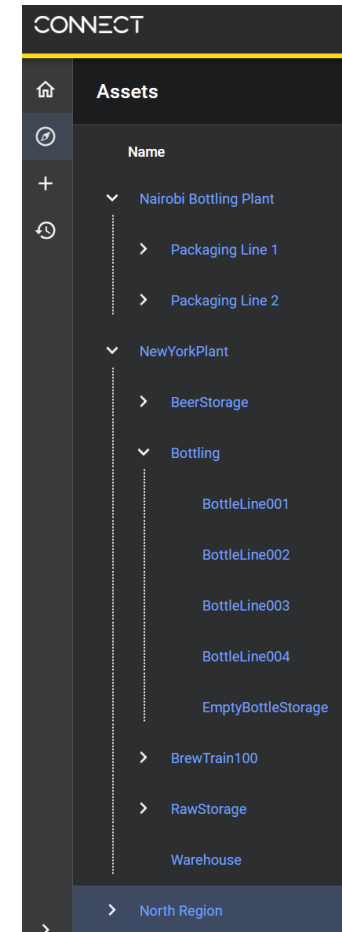
Multi-site Content Capabilities



MES Asset Hierarchy Published to CONNECT

MES Event Publisher Capabilities

- Support for Multiple MES Databases in one CONNECT Account
 - Nairobi Bottling Plant
 - New York Plant
- Support for Multiples Sites within one MES Database
 - Standard Capability in AVEVA MES
 - Sites can be in Different Time Zones
- Support for Duplicate Asset Names in Different MES Databases



MES Event Data Published to CONNECT

Various Releases in 2024 and 2025

- MES Base and Performance Events

- Utilization events
- Material production events
- Shift history
- Work Order and Job history
- KPI Hourly summaries

- MES Operations Events

- Material consumption events
- Material movements
- Item Inventory

- MES Quality Events

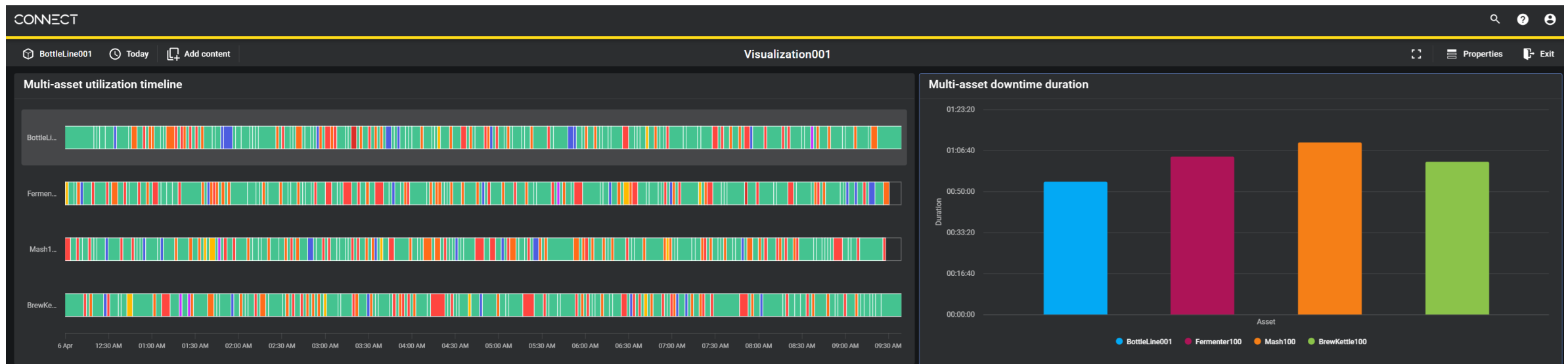
- Quality Samples
- Quality Results



MES Event Visualization in CONNECT

Multi-Asset Analysis Widgets

- Utilization Timeline for Comparing Asset Status Over Time
- Multi-Asset KPI Bar Graph
 - OEE KPIs (OEE, Availability, Performance, Quality)
 - Downtime KPIs (Duration, Count)
 - Maintenance (MTTR, MTBF)



MES Event Visualization in CONNECT

Additional Analysis Widgets

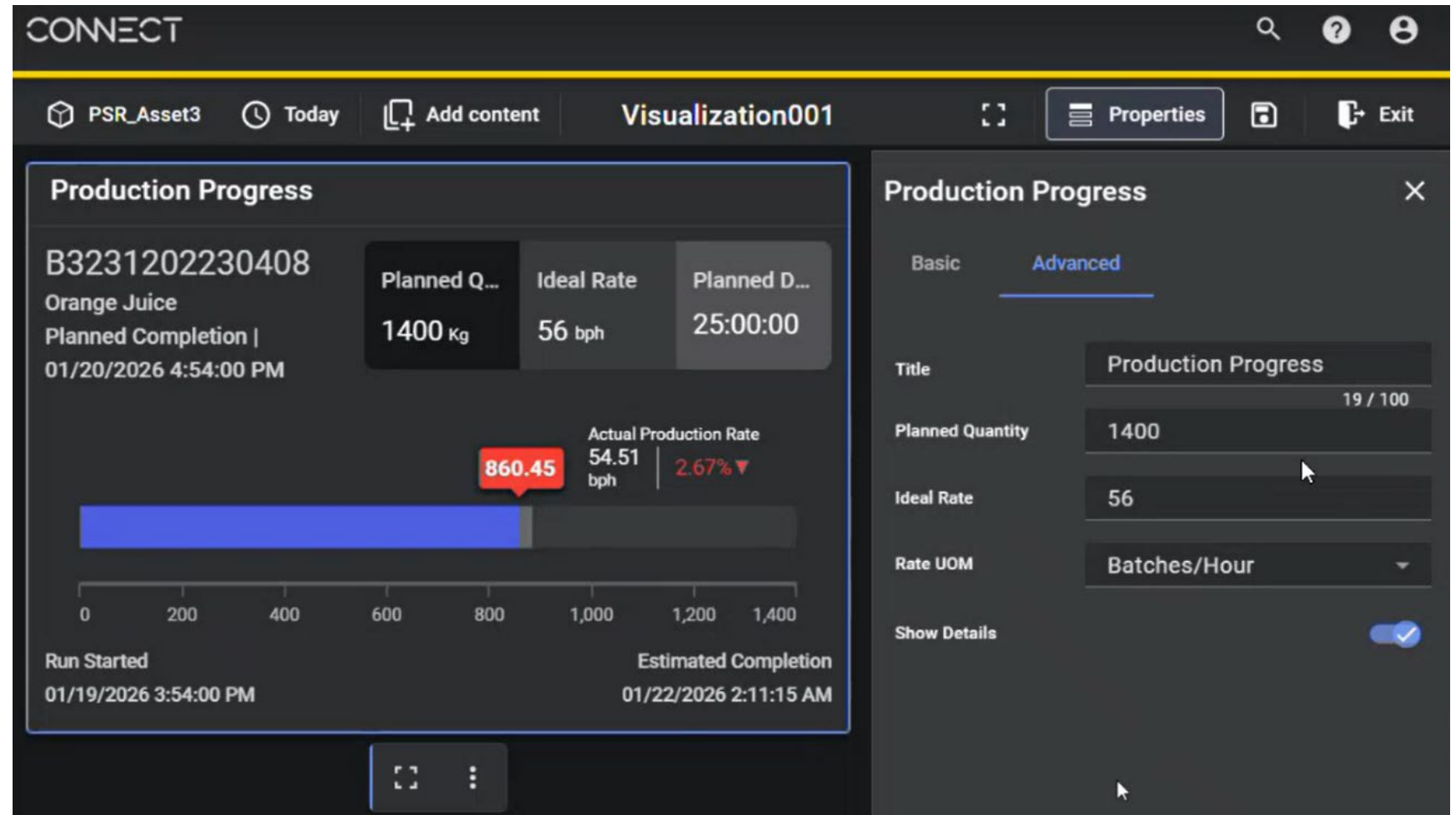
- Utilization Waterfall
 - Total Time
 - Production Time
 - Total Time – Idle Times
 - Effective Time
 - Production Time – Performance Losses – Downtime Losses – Quality Losses



MES Event Visualization in CONNECT

Additional Analysis Widgets

- Production Progress (Preview)
 - Single Asset
 - Current Work Order
 - Actual vs Ideal Progress
 - Planned Completion



MES Event Visualization in CONNECT

Grid Widget

Hourly Utilization Grid by Work Order

04/22/2026 12:00:00 AM - 04/24/2026 9:58:25 AM

material name

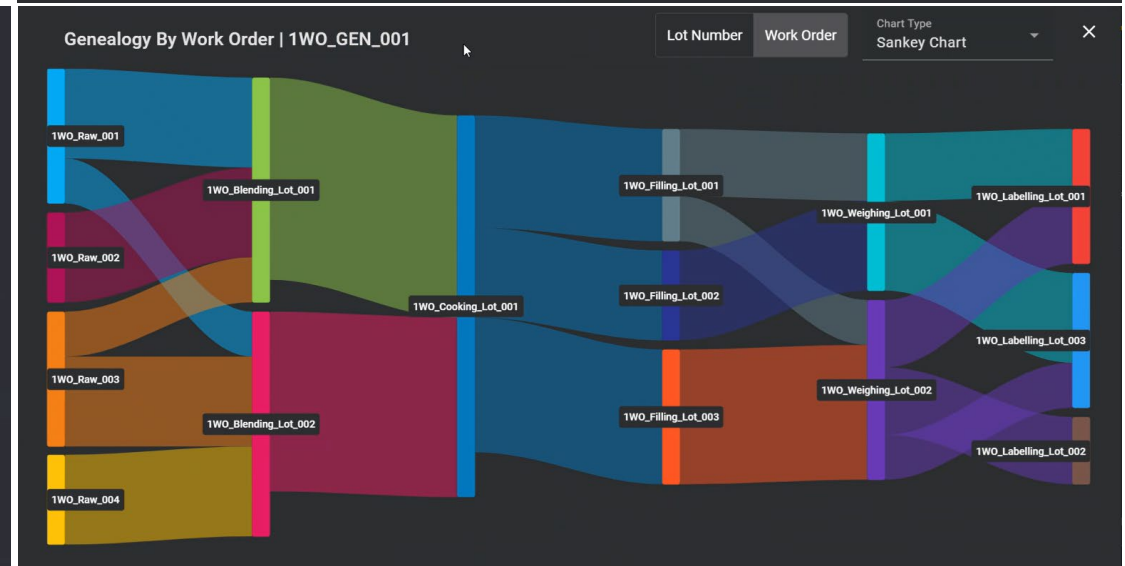
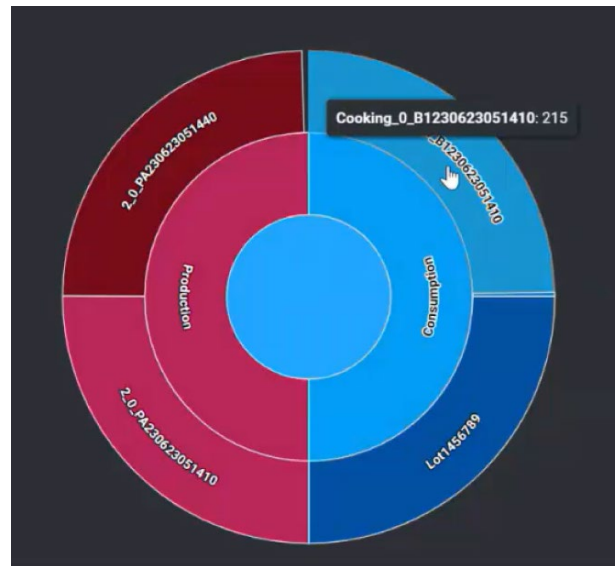
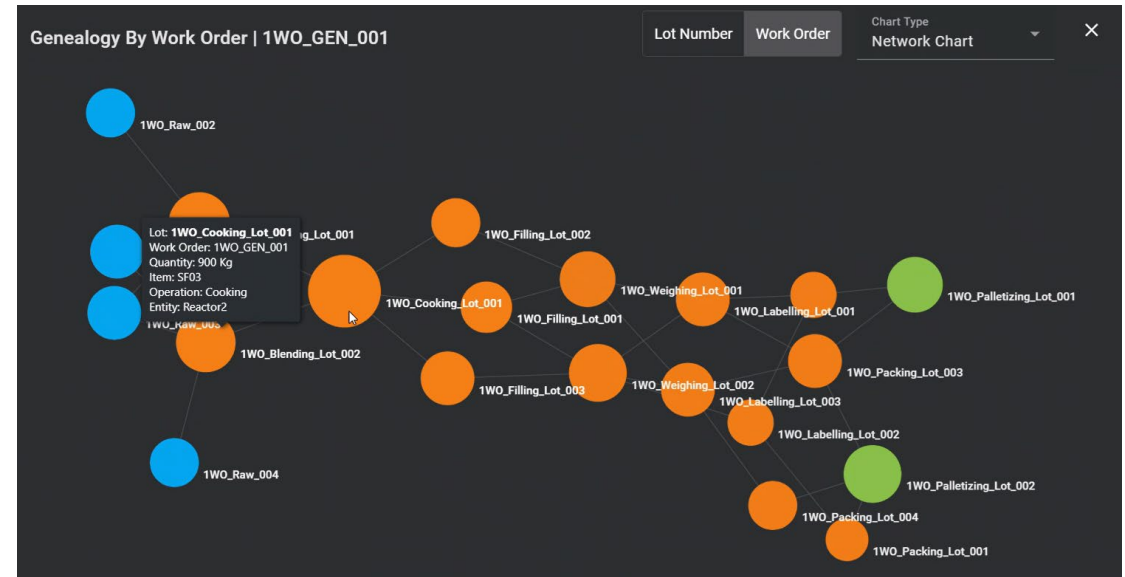
workRequest workRequestId

startTime	duration	runTime	downTime	idleTime	quantityProduced	quantityWasted
SFCold: 58 Items					Total Runtime: 148574	Total Downtime: 22160
B1260422071121: 2 Items					Total Runtime: 2062	Total Downtime: 720
B1260422101309: 2 Items					Total Runtime: 2780	Total Downtime: 240
B1260422131502: 2 Items					Total Runtime: 2305	Total Downtime: 240
B1260422161651: 2 Items					Total Runtime: 3018	Total Downtime: 241
B1260422191834: 2 Items					Total Runtime: 2417	Total Downtime: 602
04/22/2026 1:00:00 PM					136.22	5.880
04/22/2026 12:00:00 PM					304.410	13.140
B1260422222038: 2 Items					Total Runtime: 2771	Total Downtime: 359
04/22/2026 5:00:00 PM					158.460	6.840
04/22/2026 4:00:00 PM					284.950	12.300
B1260423012210: 2 Items					Total Runtime: 2863	Total Downtime: 156
04/22/2026 8:00:00 PM					170.970	7.380

MES Event Visualization in CONNECT

Genealogy Widgets (Coming Soon)

- Traceability from Raw Materials to Finished Goods
- Option for Work Order or Lot Number
- Display Options for
 - Network Diagram
 - Sunburst
 - Sankey



MES Event Visualization in CONNECT

Genealogy Widget (Coming Soon)

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Line3Blender

Last week

Add content

GenealogyWidgetDemo

Genealogy By Lot

StartTime	material	materialLotNumber	workRequest Name
04/12/2026 1:00:00 AM	SF01	BlendingLot_a1_Gen_0002	WO_GEN_a0002
04/12/2026 12:00:00 AM	SF01	BlendingLot_a1_Gen_0001	WO_GEN_a0002
04/08/2026 1:00:00 AM	SF01	BlendingLot_Gen1_0002	MESDB_Genealogy_WorkRequest_WO_GEN_001
04/08/2026 1:00:00 AM	SF01	BlendingLot_Gen_0002	WO_GEN_0001
04/08/2026 12:00:00 AM	SF01	BlendingLot_Gen1_0001	MESDB_Genealogy_WorkRequest_WO_GEN_001
04/08/2026 12:00:00 AM	SF01	BlendingLot_Gen_0001	WO_GEN_0001

Genealogy By Work Order

StartTime	material	materialLotNumber	workRequest Name
04/12/2026 1:00:00 AM	SF01	BlendingLot_a1_Gen_0002	WO_GEN_a0002
04/12/2026 12:00:00 AM	SF01	BlendingLot_a1_Gen_0001	WO_GEN_a0002
04/08/2026 1:00:00 AM	SF01	BlendingLot_Gen1_0002	MESDB_Genealogy_WorkRequest_WO_GEN_001
04/08/2026 1:00:00 AM	SF01	BlendingLot_Gen_0002	WO_GEN_0001
04/08/2026 12:00:00 AM	SF01	BlendingLot_Gen1_0001	MESDB_Genealogy_WorkRequest_WO_GEN_001
04/08/2026 12:00:00 AM	SF01	BlendingLot_Gen_0001	WO_GEN_0001

Genealogy

BasicAdvanced

Follow asset context

AssetLine3Blender

Select an asset

Follow time context

Event TypeMaterial Produced Events

Field4 selected

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and experience some of the new
capabilities coming this year.

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