AVEVAWORLD PARIS

AVEVAWORLD

OCTOBER 2024

AVEVA Partner Games: System Integration Challenge

Winning solution presentation







AVEVA Partner Games Overview

MAY 2024



JUNE 2024

OCTOBER 2024







DISTRICT TRIALS

DISTRICT QUALIFIERS

LEAGUE OF CHAMPIONS

ULTIMATE VICTOR

Open to all AVEVA Partners

TOP 10

TOP 5

1 OVERALL WINNER

Submit your solution idea for:

- Power District
- Manufacturing District
- Water District
- **Infinite District**

Pitch your solution to the virtual judging panel

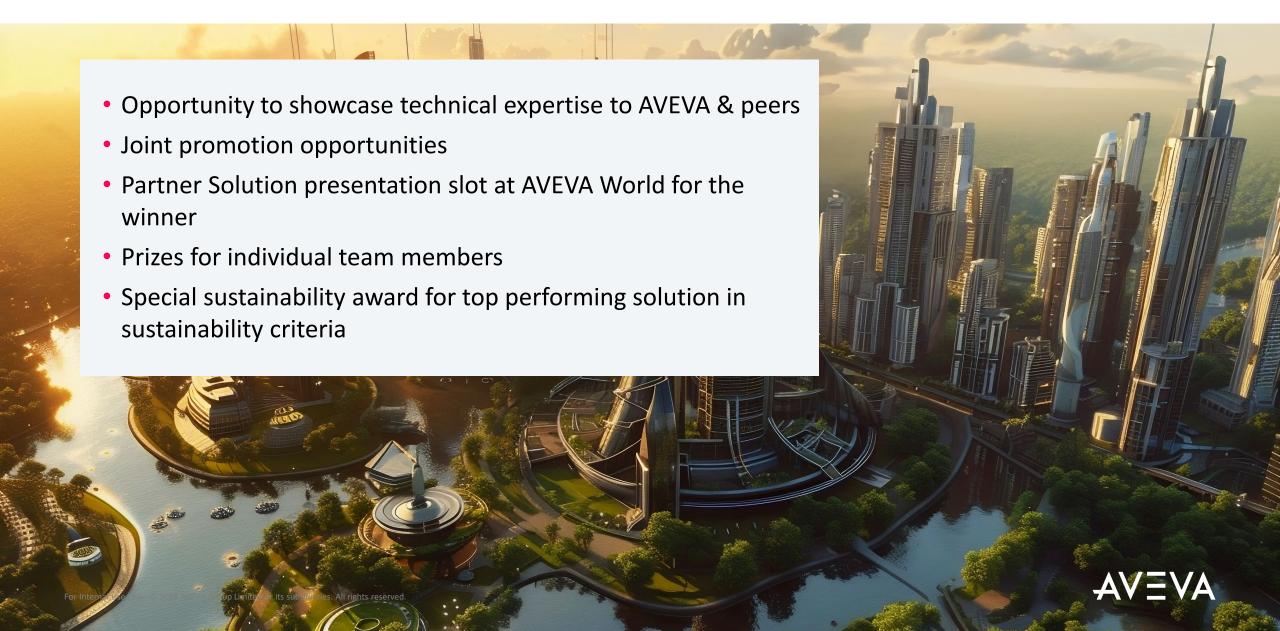
Compete in one final challenge at AVEVA World Paris 2024

The winning team!

Bonus: 1 team awarded sustainability excellence award



Why compete?



The final 5 teams



Calibr8



Casne PI-oneers



ISDN Software SG



Manufacturing Miracles



It is Obtainable to be Sustainable



The final challenge

Using their existing Partner Games project, show how CONNECT can add value to their solution

CONNECT AI Assistant is here! How can AI Assistant bring value to their use case?

Each team selected a persona and added at a dashboard in CONNECT Visualization to serve that persona



PierrePlant
Operator



Dina Data Analyst



Benjamin Maintenance Manager



Susie Plant Manager



Christopher COO / Head of Operations



Oscar Office cat



Our sustainability award goes to...







Our overall winner is...





ITI GROUP Manufacturing Miracles



AVEVA Partner Games 2024

Manufacturing Miracles



Group









Roddy Manson
Data Science Engineer



Cameron Brown
Data Science Engineer

The

Customer

Consumer products: wet wipes

- Strong **sustainability** commitments
- Seeking reductions in energy usage

The

Problem

Optimise Plant Energy Usage

- Vague emissions targets
- Establish scope 2 emissions
- Need to understand key drivers

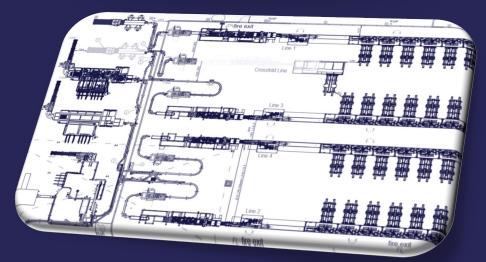
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Solution

Attribute Scope 2 Emissions to Products

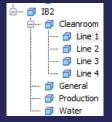
- **Predict** emissions based on conditions
- Identify **deviations** and likely causes
- **Empower** customer to drive down emissions



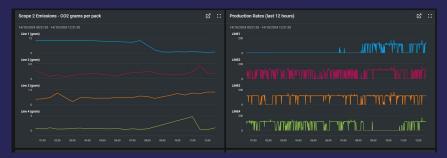




Solution Design



<u>Challenge 2</u> Calculate Emissions metrics Build overview displays





AVEVA PI System

MES Data

Historian DB

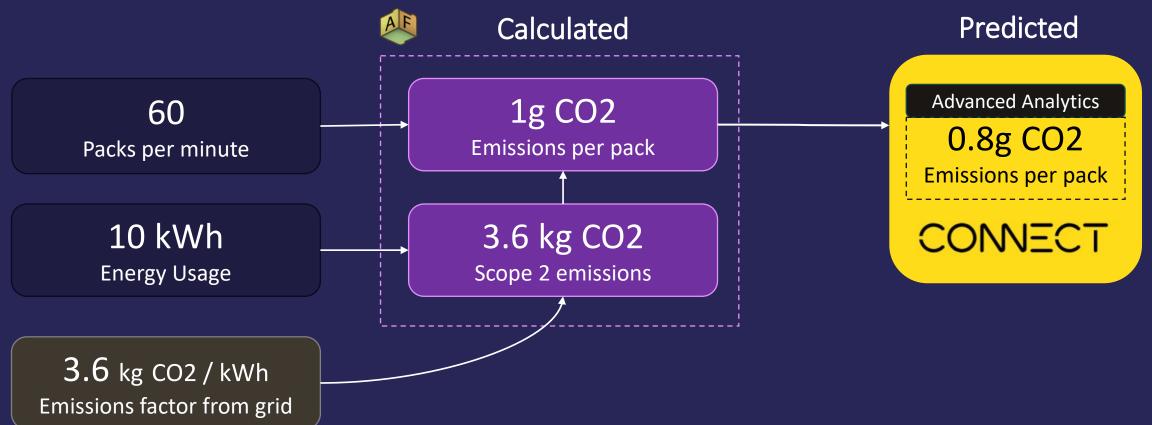
Challenge 1

Capture real-time energy data from non-AVEVA system

Design PI AF model for the plant



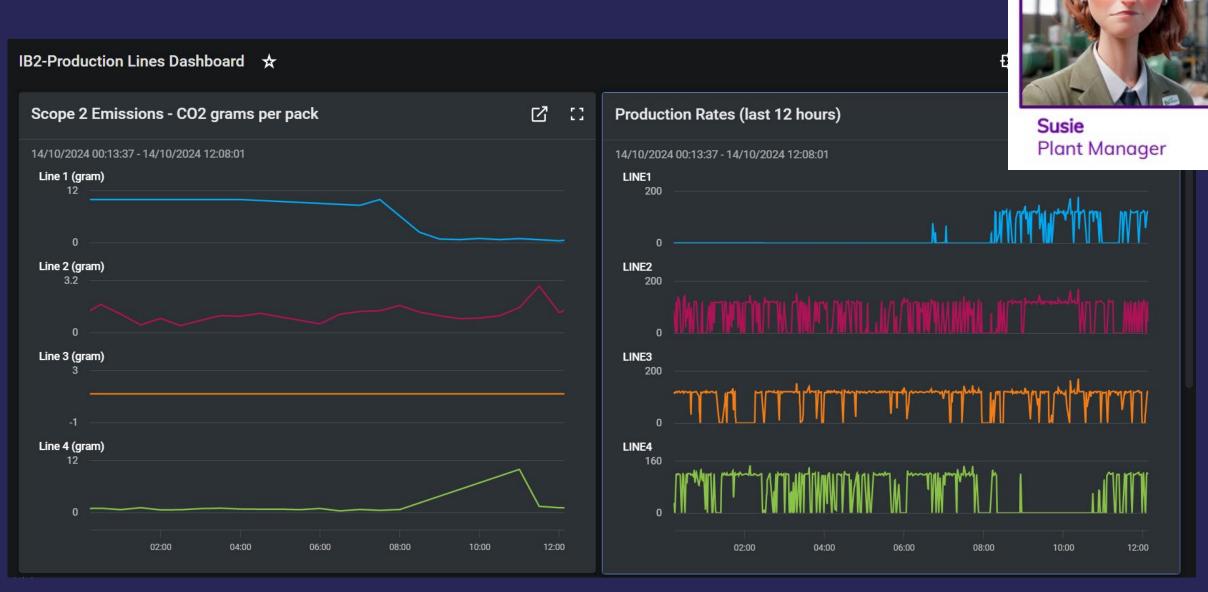
Building KPIs with PI AF and Machine Learning







Understanding Plant Performance & Scope 2 Emissions



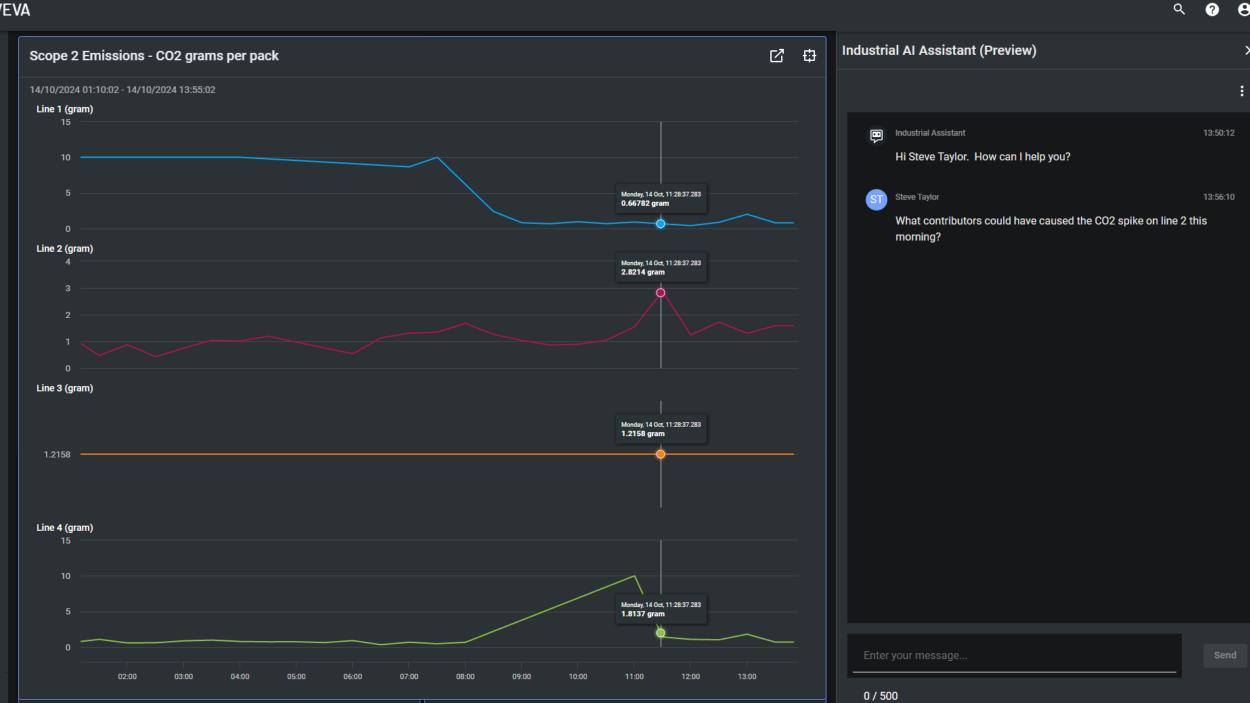
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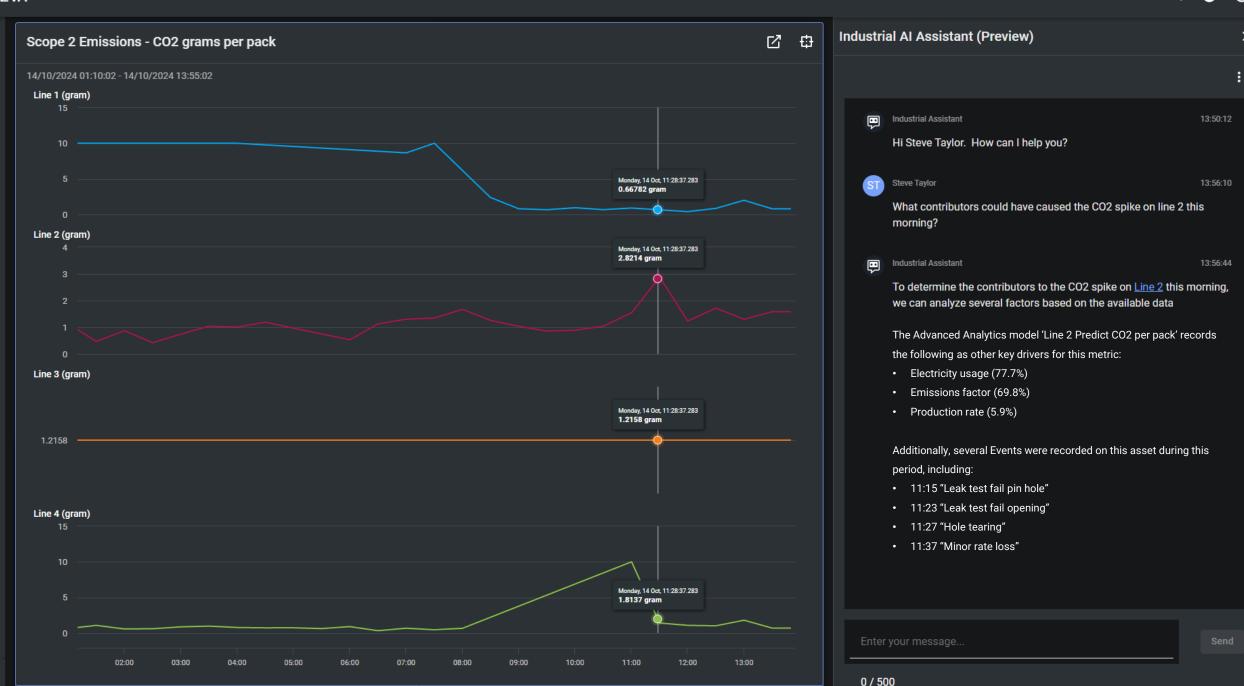
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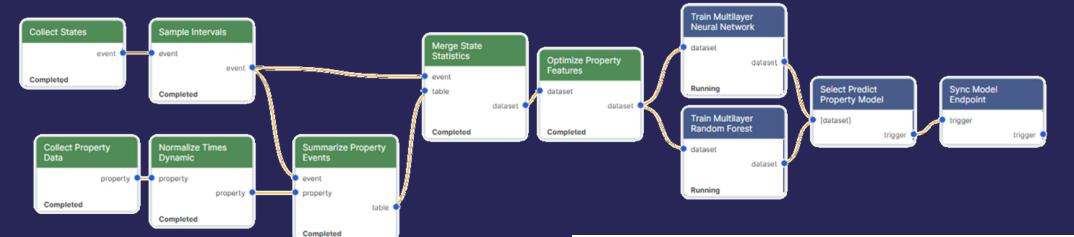
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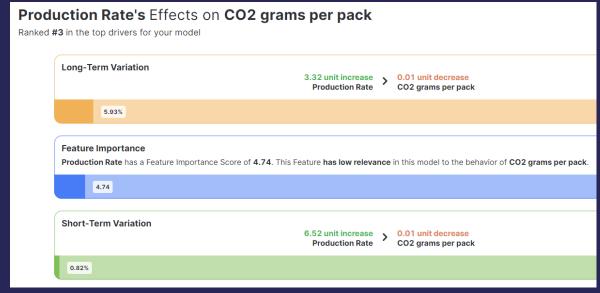
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Setting up Machine Learning in Advanced Analytics













Spiking significantly above predicted following 8am Shift changeover

Thank You!







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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 Al-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. The company is headquartered in Cambridge, UK.

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