

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

AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Aligning asset strategy with sustainability goals

Boris Demarrez, Global Technical Excellence lead APM, AVEVA

AVEVA

In a world of disruption, data provides clarity



Supply chain
challenges



AI &
innovation



Geopolitical
environment



Competition &
profit margins



Customer
expectations



Regulation
change

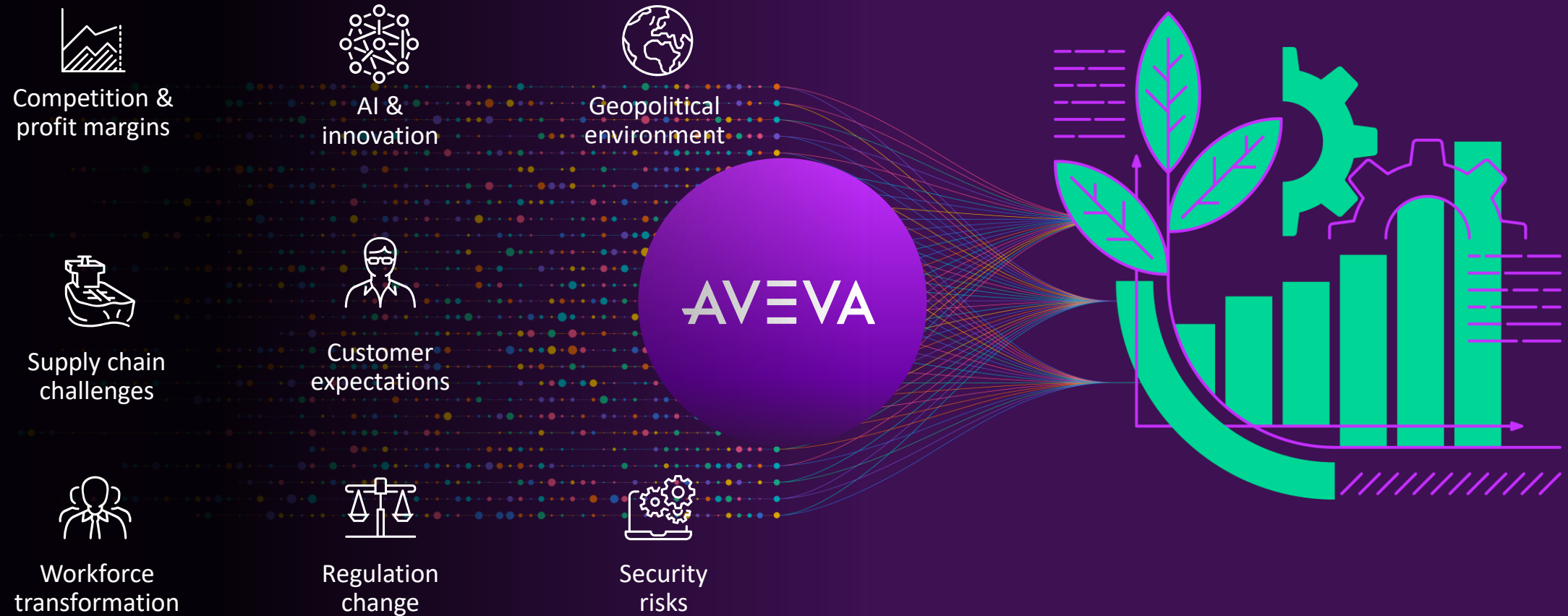


Workforce
transformation



Security
risks

Transform disruption into an opportunity for performance and sustainability with AVEVA



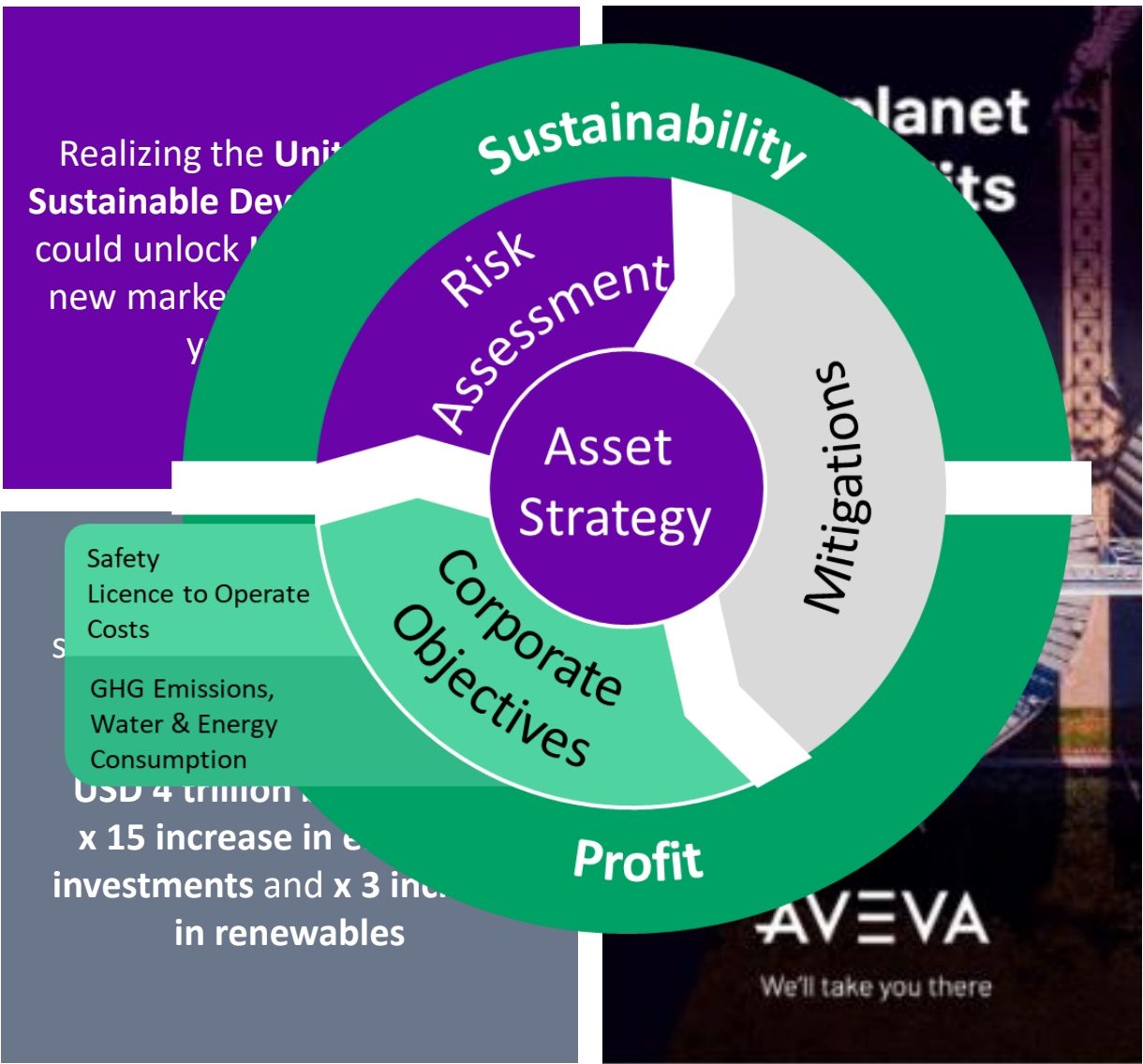
Our vision for sustainable transformation

Global sustainability challenges demand shared data, technology, and purpose.

- Industrial intelligence drives responsible resource use
- Data turns insight into action
- Collaboration accelerates sustainable progress



Digitalization and sustainability are creating new opportunities



More4Sustainability

One Strategy. Four Levers.

- **1. Asset Portfolio Optimisation**

Invest, replace, and electrify assets for long-term sustainability.

- **2. Asset Health Optimisation**

Predict, prevent, and extend asset life through condition-based insight.

- **3. Energy Consumption Optimisation**

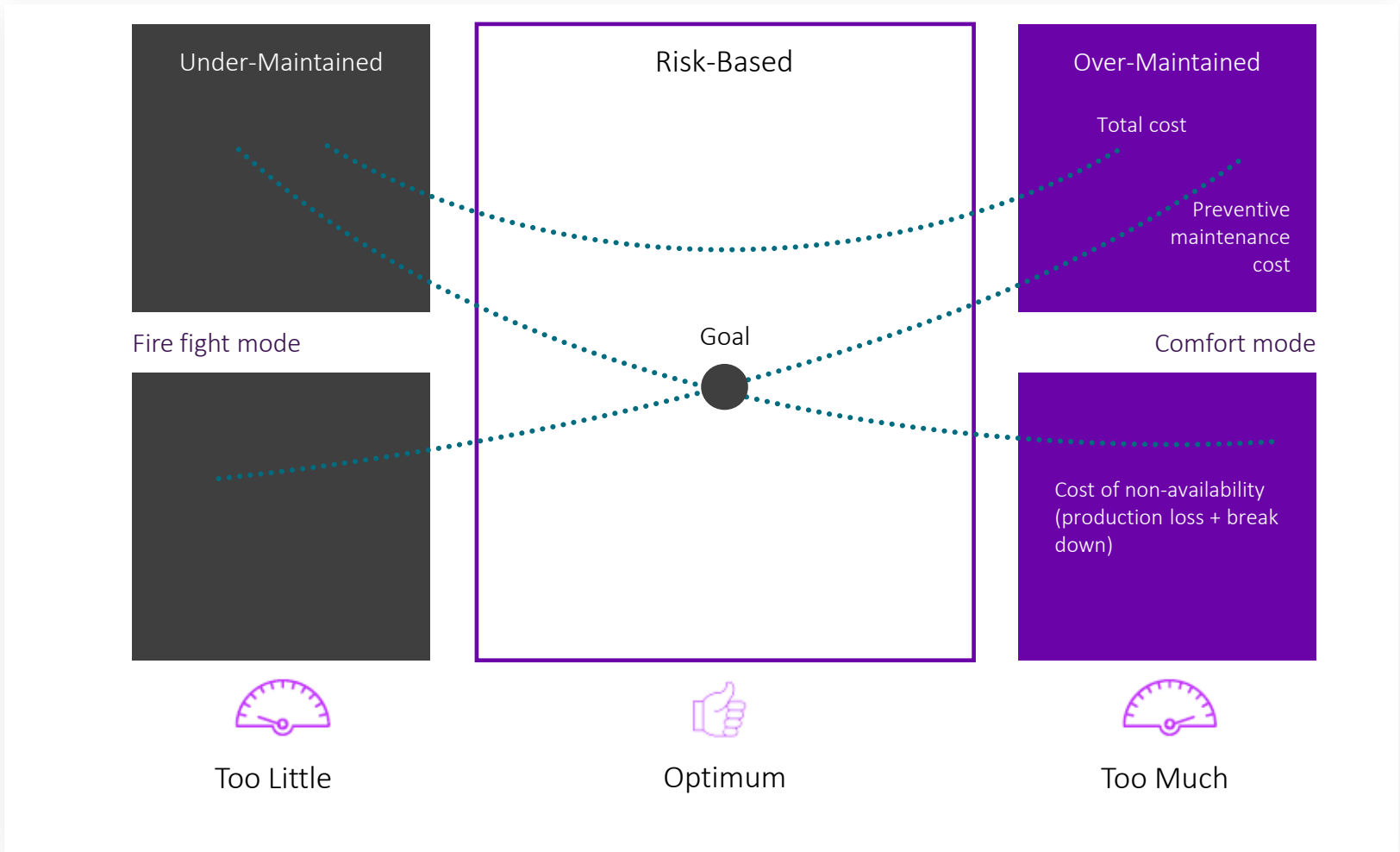
Reduce energy demand through efficiency, recovery, and reuse.

- **4. GHG Emission Optimisation**

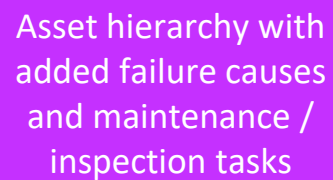
Cut emissions through prevention, capture, renewables, and reuse.



Asset reliability and performance optimization



-  Reduce Downtime
-  Prevent Asset Failures
-  Reduce Maintenance Costs
-  Improve Safety
-  Extend Equipment Life
-  Optimize Asset Strategy



Other > Demo's > Pop-Soda FMECA > ... > Ball valve... to filler > Does not o... to demand

i Object Risks

Pop-Soda FMECA

SPP Soda Production Plant

SPP-BFL Bottle filling line

- BFLBV005 Ball valve DN100 from mixing machine cola to tank
- BFLBV001 Ball valve DN100 from mixing machine lemon to tank
- BFLBV003 Ball valve DN100 from mixing machine orange to tank
- BFLBV006 Ball valve DN50 from storage tank cola to filler
- BFLBV002 Ball valve DN50 from storage tank lemon to filler

Failure modes (1)

Does not open/close in reaction to demand

Components (2) / Failure causes (4)

Ball valve

- Defect, ball valve - Ageing
 - Replace ball cock FBM
 - Check valve function by opening and closing CBM
 - Replace ball cock CBM-F
- Pneumatic system

BFLBV004 Ball valve DN50 from storage tank orange to filler

BFLFL001 Filling line 1

BFLFL002 Filling line 2

BFLP005 Piping DN100 from mixing machine cola to tank

BFLP001 Piping DN100 from mixing machine lemon to tank

BFLP003 Piping DN100 from mixing machine orange to tank

BFLP006 Piping DN50 from storage tank cola to filler

BFLP002 Piping DN50 from storage tank lemon to filler

BFLP004 Piping DN50 from storage tank orange to filler

BFLDP003 Pump 50m3 from storage tank cola

BFLDP001 Pump 50m3 from storage tank lemon

BFLDP002 Pump 50m3 from storage tank orange

BFLST003 Storage tank 50m3 cola

BFLST001 Storage tank 50m3 lemon

BFLST002 Storage tank 50m3 orange

Maintenance actions (3)

- 2 year inspection CLM
- 5 year inspection CLM
- 6 moth maintenance CLM

Risks

57 45 60

57 45 60

48 43

4

4

4

4

1

3

4

6 1

6 1

1

1

1

1

1

7 5

7 5

7 5

4

4

4

[Demo](#) > [Pop-Soda FMECA \(demo\)](#) > [Soda Production](#)

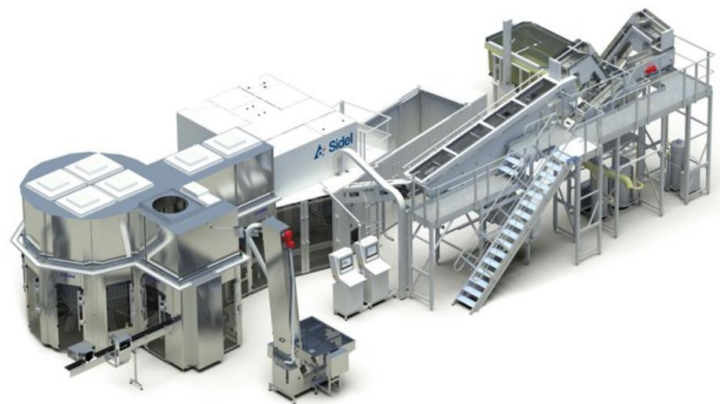
Risk Matrix

		> 50 Years (1)	25 Years < X <= 50 Years (2)	10 Years < X <= 25 Years (4)	6 Years < X <= 10 Years (8)	3 Years < X <= 6 Years (16)	1 Years < X <= 3 Years (32)	6 Months < X <= 6 Months (64)	0 Hours < X <= 6 Months (128)
Costs (k€)	C > 100 (3501)	0	0	2	20	0	0	0	0
Environment	65 < C <= 100 (876)	0	0	0	0	0	0	0	0
Safety	30 < C <= 65 (220)	0	0	0	0	0	0	0	0
	10 < C <= 30 (110)	0	0	1	1	0	1	0	1
	C <= 10 (56)	0	0	12	17	0	5	0	2

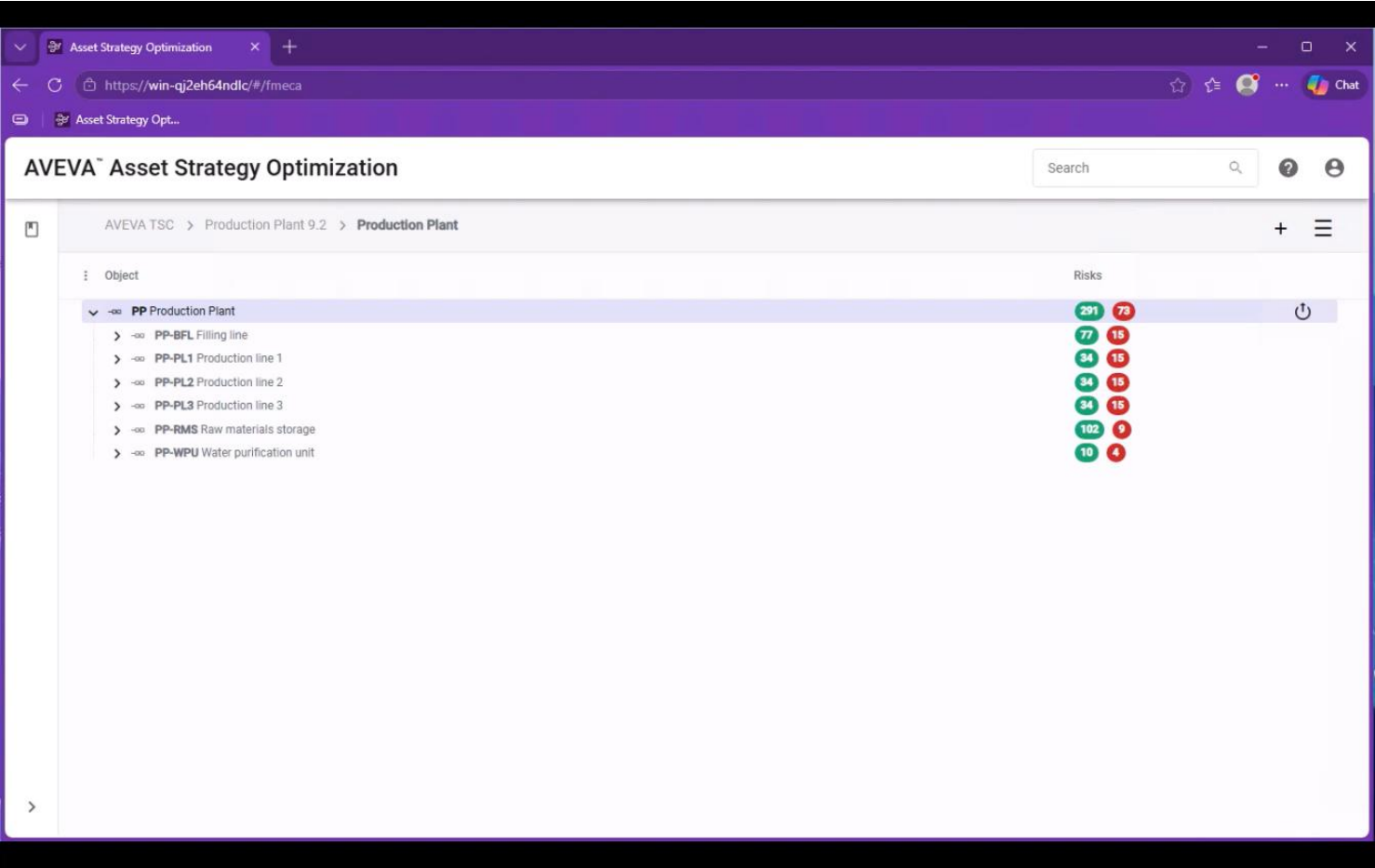
37 25 30

Path	Part	Tag	Component	Description	Condition
Bottle filling line/Piping DN50 from storage tank orange to filler	Piping DN50 from storage tank orange to ...	BFLP004	Conduits	Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN100 from mixing machine orange to tank	Piping DN100 from mixing machine oran...	BFLP003	Conduits	Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN50 from storage tank lemon to filler	Piping DN50 from storage tank lemon to filler	BFLP002	Conduits	Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN100 from mixing machine lemon to tank	Piping DN100 from mixing machine lemon...	BFLP001	Conduits	Defect, pipe	Corrosion / Wear
Bottle filling line/Pump 50m3 from storage tank cola	Pump 50m3 from storage tank cola	BFLDP003	Propeller	Defect, propeller	Corrosion
Bottle filling line/Pump 50m3 from storage tank cola	Pump 50m3 from storage tank cola	BFLDP003	Propeller	Defect, propeller	Damage
Bottle filling line/Pump 50m3 from storage tank orange	Pump 50m3 from storage tank orange	BFLDP002	Propeller	Defect, propeller	Wear
Bottle filling line/Pump 50m3 from storage tank orange	Pump 50m3 from storage tank orange	BFLDP002	Propeller	Defect, propeller	Corrosion
Bottle filling line/Pump 50m3 from storage tank orange	Pump 50m3 from storage tank orange	BFLDP002	Propeller	Defect, propeller	Damage
Bottle filling line/Pump 50m3 from storage tank lemon	Pump 50m3 from storage tank lemon	BFLDP001	Propeller	Defect, propeller	Wear
Bottle filling line/Pump 50m3 from storage tank lemon	Pump 50m3 from storage tank lemon	BFLDP001	Propeller	Defect, propeller	Corrosion
Bottle filling line/Pump 50m3 from storage tank lemon	Pump 50m3 from storage tank lemon	BFLDP001	Propeller	Defect, propeller	Damage

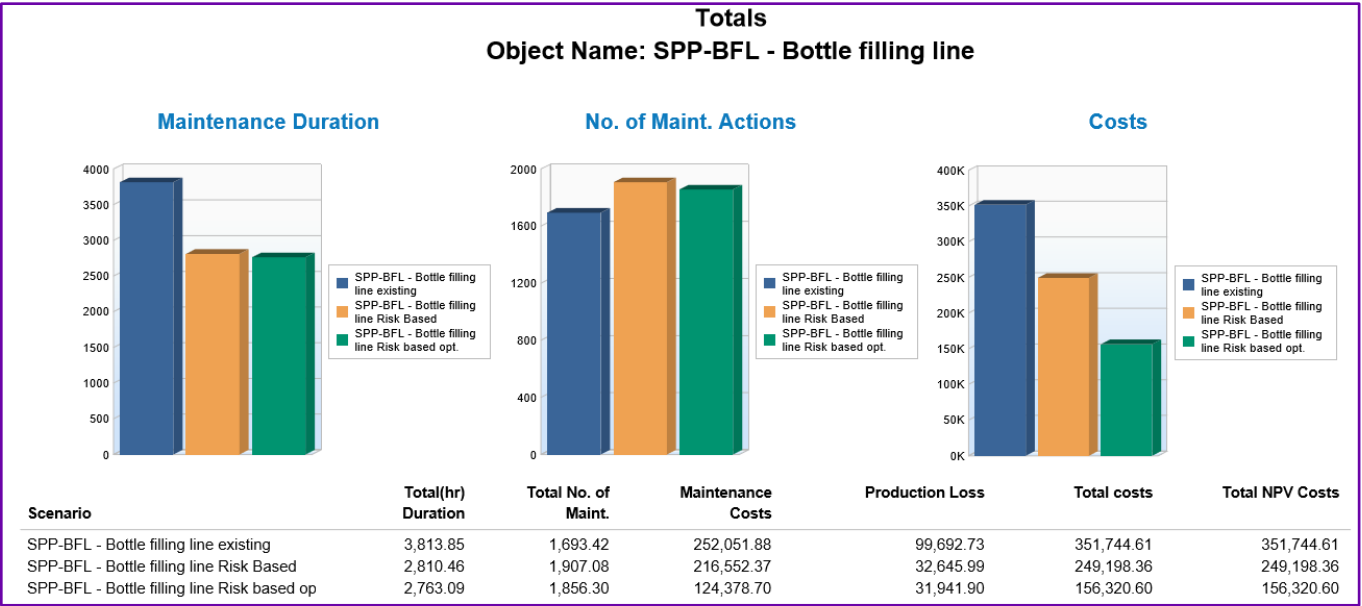
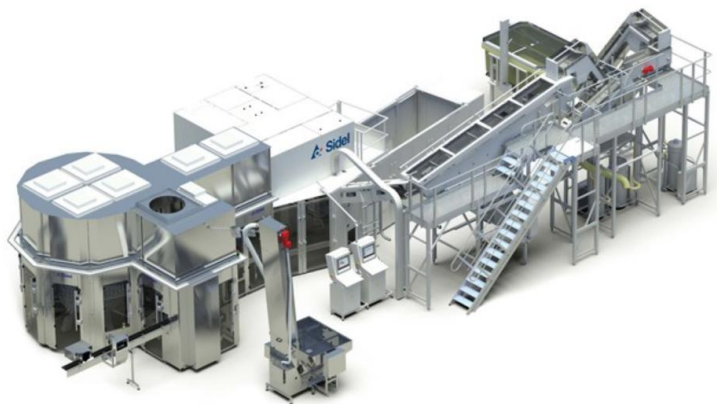
Asset strategy and sustainability metrics



Include sustainability impact for maintenance actions

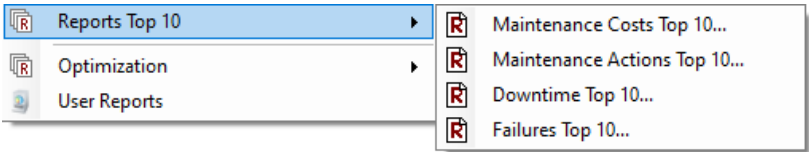


Determine optimal maintenance strategy

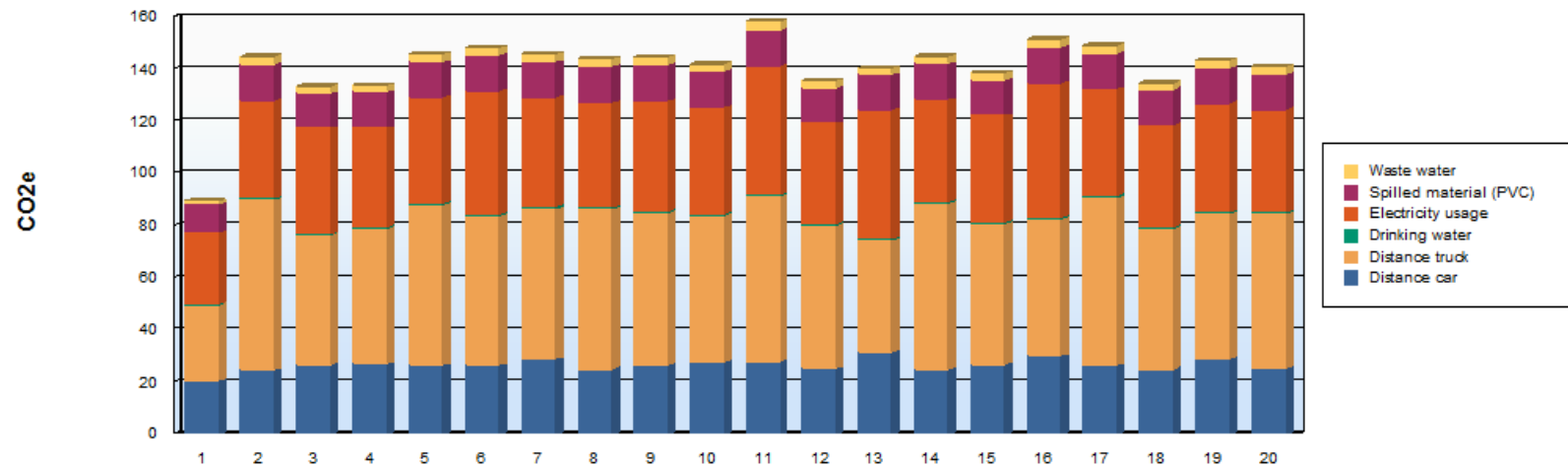
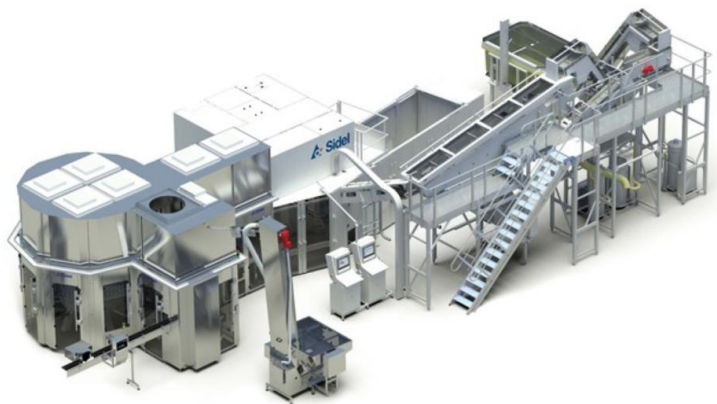


Comparison Totals
for multiple
strategies

Identify and
eliminate Bad
Actors on cost
and downtime



Sustainability impact projection for a selected strategy



CO2 emissions for a selected maintenance strategy

Period (Year)	
Total number of maintenance actions (Entire period)	5,311.54
Total maintenance duration (hr) (Entire period)	11,701.52
Total CO2e (Entire period)	2,808.09
Average environmental impact (Entire period)	140.40

Circular asset management in practice

Asset strategy circularity levers



INNOVATE

- Design out high-CO₂ failure modes through smarter design, sensing, and operating models.



USE AGAIN

- Standardize repair, refurbish, and remanufacture decisions based on CO₂ impact.



USE BETTER

- Target failure modes that drive energy waste and emissions, not just downtime.



USE LONGER

- Extend asset life when lifecycle CO₂ is lower than replacement.



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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