

NOVEMBER 2022

Develop a Blueprint for Maximum Operational Reliability

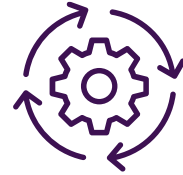
with AVEVA™ Asset Strategy Optimization

Ruud Willekens – Sr Solution Specialist APM

AVEVA

Your Strategy is the Anchor Point for APM

Why is it important

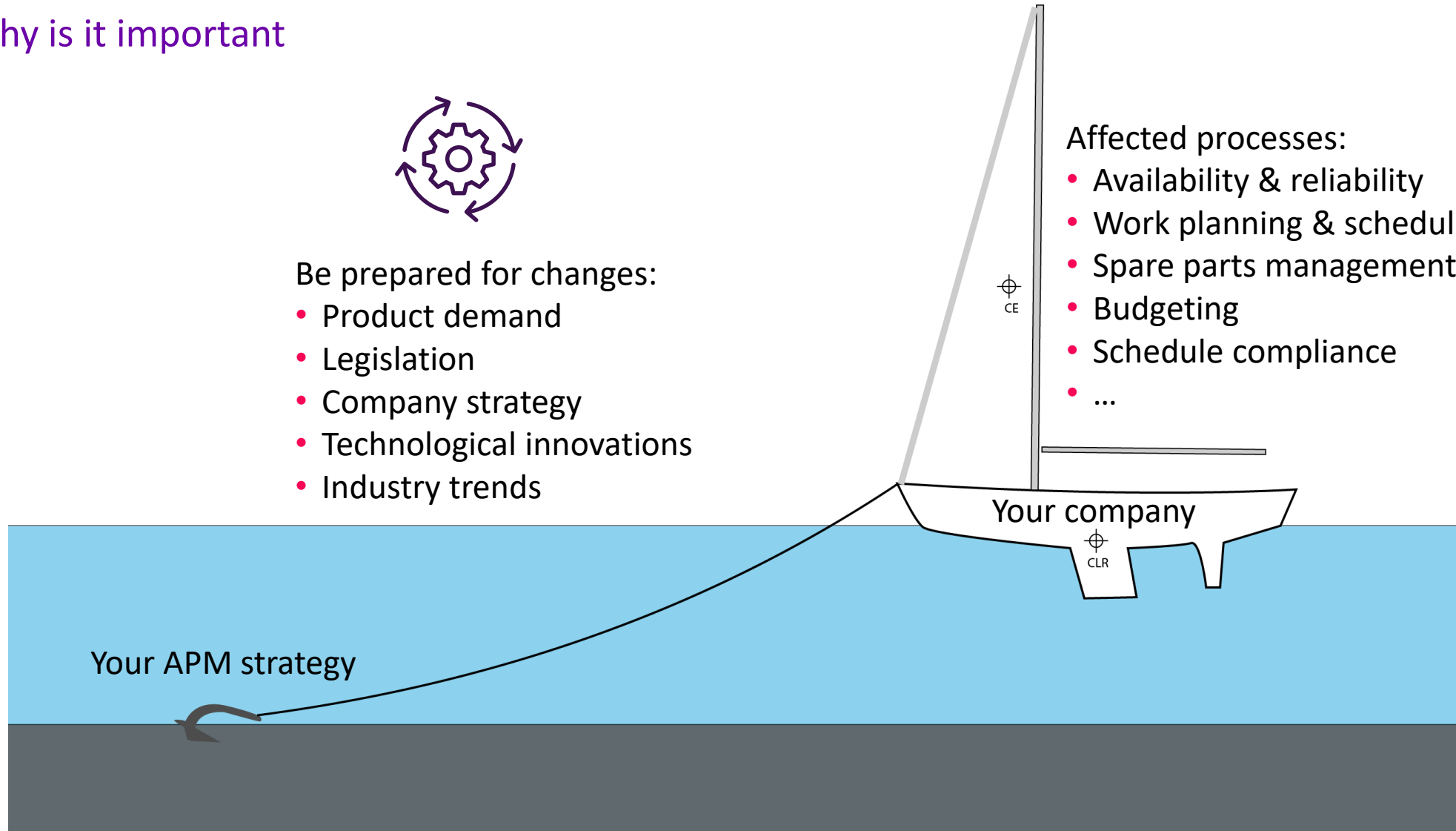


Be prepared for changes:

- Product demand
- Legislation
- Company strategy
- Technological innovations
- Industry trends

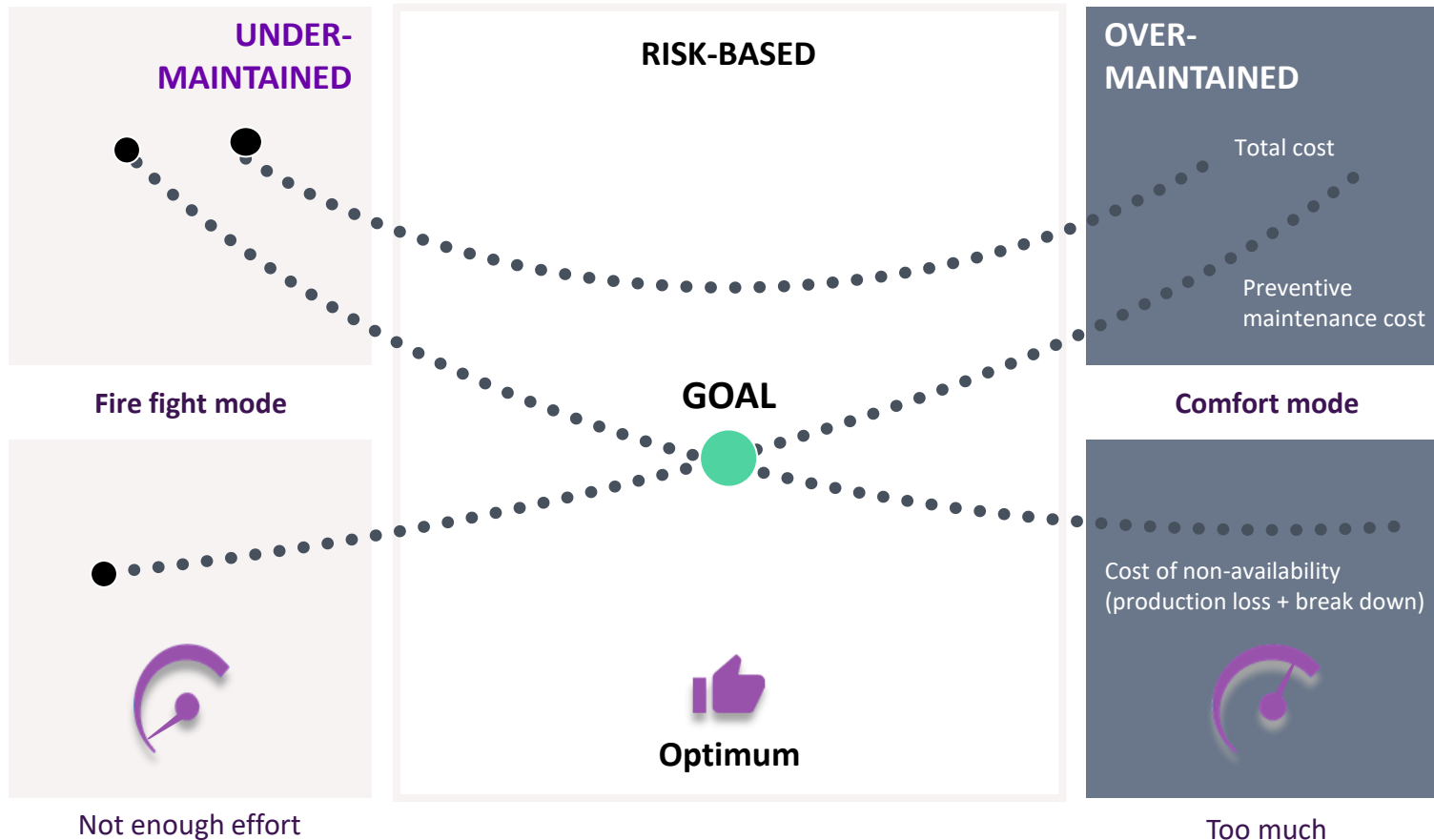
Affected processes:

- Availability & reliability
- Work planning & scheduling
- Spare parts management
- Budgeting
- Schedule compliance
- ...



The Value of Asset Strategy Optimization

Find the optimum



Insight into risks

Balance between financial operational and safety risks

Ever-changing legislation

Complying with environmental and social requirements

Sharing knowledge

Implement best practices globally

Continuous improvement

To drive maximum return on industrial assets

New Graphic User Interface

More user friendly and improved collaboration between users

The image displays three overlapping screenshots of the AVEVA Asset Strategy Optimization software interface, illustrating its new graphic user interface (GUI).

Top Left Screenshot: Shows the 'Object' browser on the left, listing various components under 'LibDemo' and 'Library Demo'. The 'Mixer, large' component is selected. The main area displays the 'Properties' of the selected object.

Top Right Screenshot: Shows the 'Object' browser with the 'SPP-BFL Bottle filling line' component selected. The main area displays the 'Properties' of the selected object.

Bottom Screenshot: Shows the 'Risk Matrix' view. The matrix displays risk scores for various components across different time periods (Years 1-4, Years 5-9, Years 10-14, Years 15-19). The 'Safety' risk is highlighted. Below the matrix, a table lists the components and their associated risks.

Path	Part	Tag	Component	Component Tag	Description	Condition
Bottle filling line/Piping DN50 from storage tank...	Piping DN50 from storage...	BFLP006	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN100 from mixing ma...	Piping DN100 from mixing...	BFLP005	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN50 from storage tan...	Piping DN50 from storage...	BFLP004	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN100 from mixing ma...	Piping DN100 from mixing...	BFLP003	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN50 from storage tan...	Piping DN50 from storage...	BFLP002	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Piping DN100 from mixing ma...	Piping DN100 from mixing...	BFLP001	Conduits		Defect, pipe	Corrosion / Wear
Bottle filling line/Storage tank 50m3 cola	Storage tank 50m3 cola	RFI ST003	Tank		Defect tank	Corrosion

Plant Output Increase

Business Challenge

Increase production output with 50% in short time

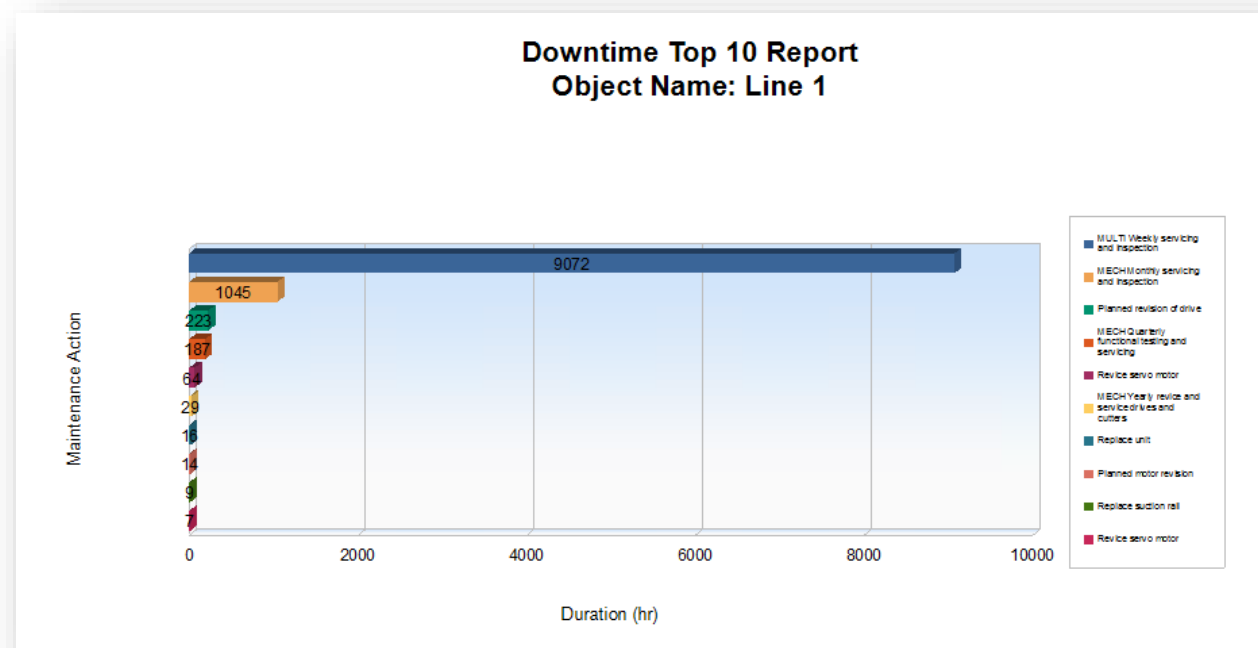
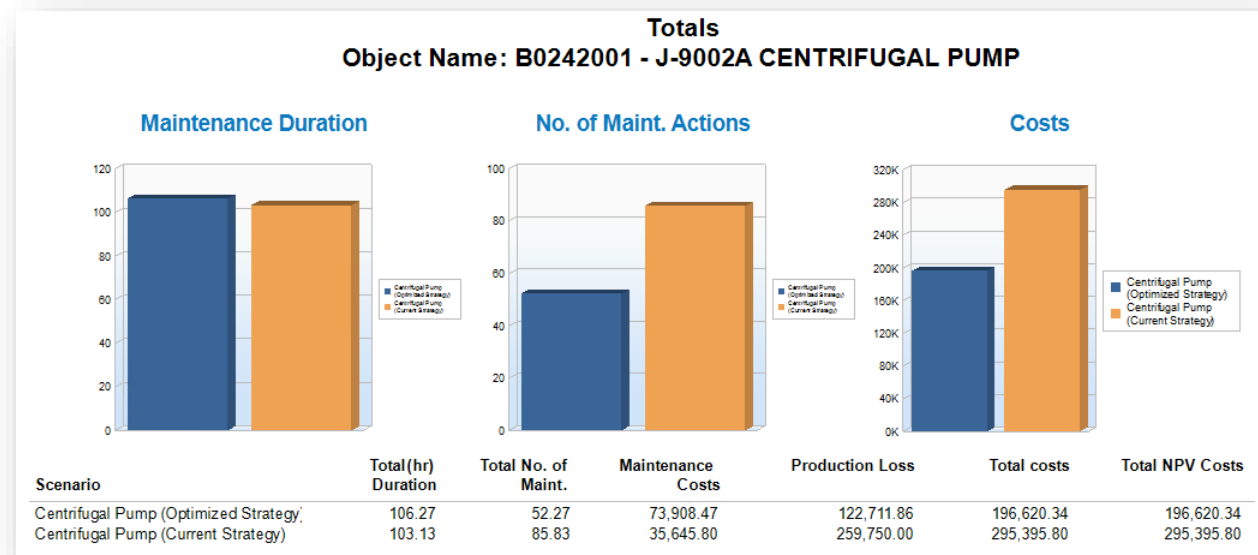
Solution

Analyze production bottlenecks in plant, change strategies for increased output

Results

50+ strategies changed to eliminate bottlenecks

\$7 mln in projected value for Phase 1 scope



Cost Savings and Improve Condition Monitoring

Business Challenge

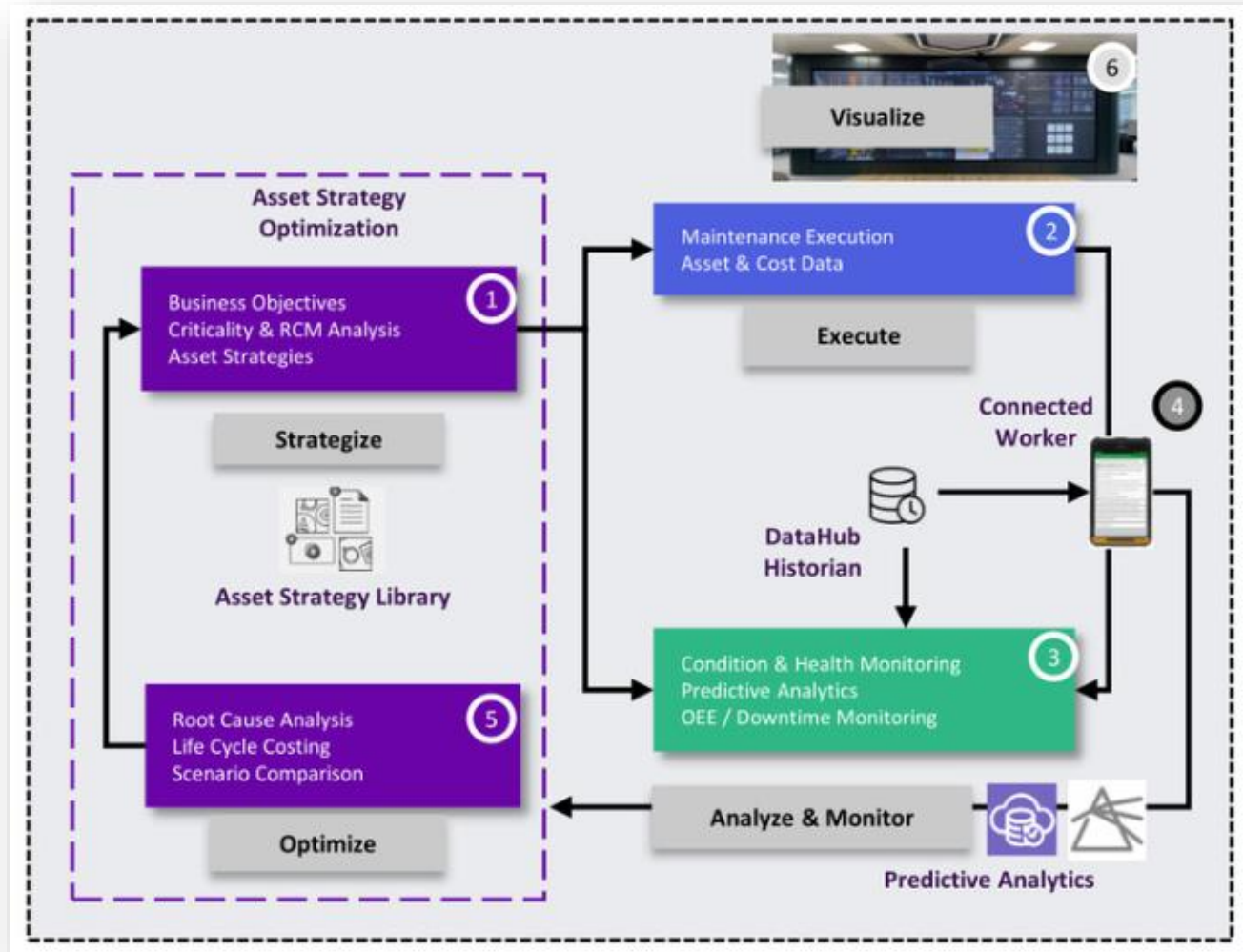
Find opportunities to decrease cost and risk by expanding Condition Monitoring

Solution

Analyze critical equipment, identify Failure Modes for monitoring and add prescriptive actions

Results

> **\$10 mln** in projected value for Phase 1 scope



Typical Maturity Path

Catch critical failures in time

- Higher plant output
- Improved HSE performance

Eliminate unnecessary maintenance

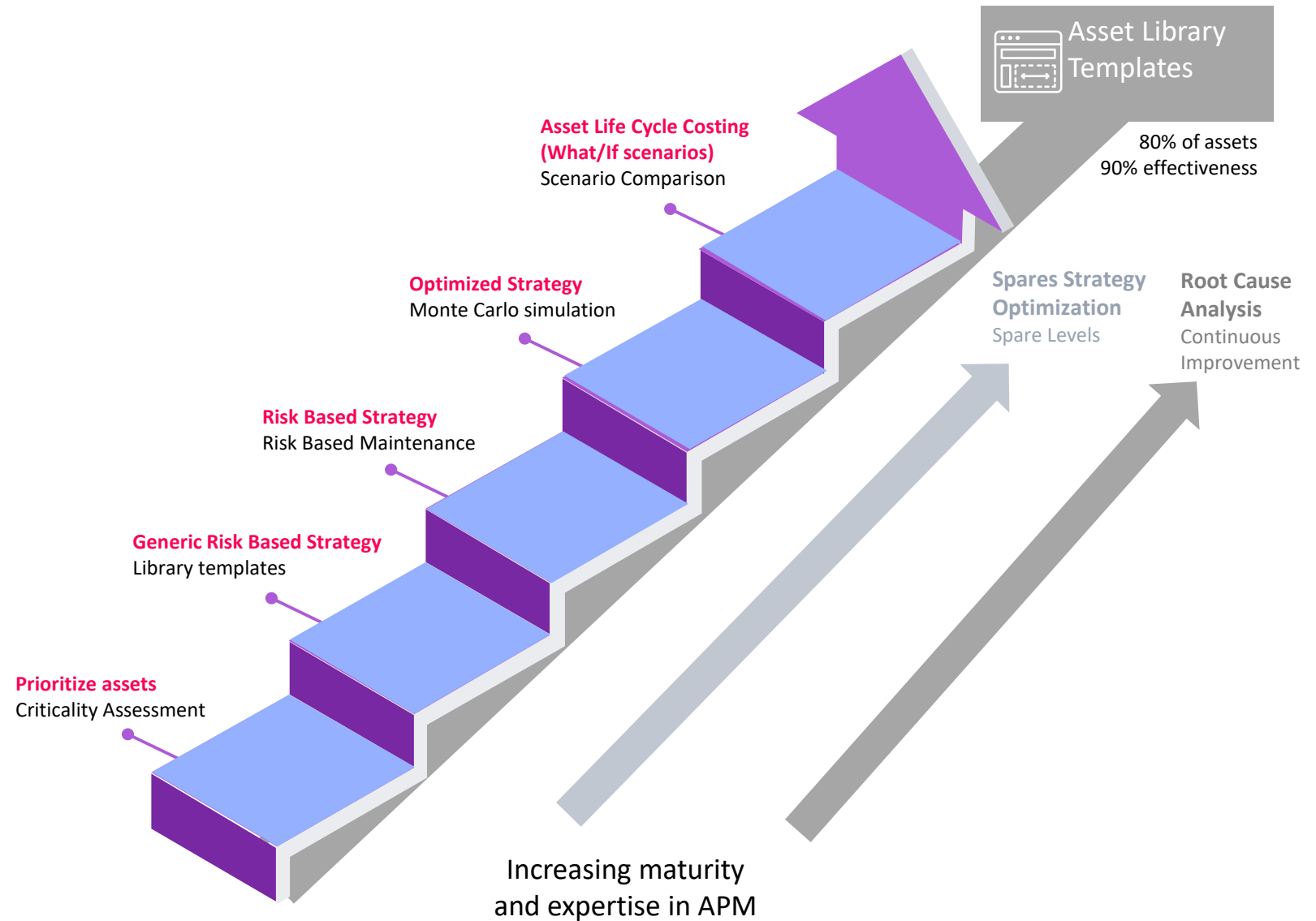
- Less scheduled downtime
- Less maintenance cost

Optimize over asset life cycle

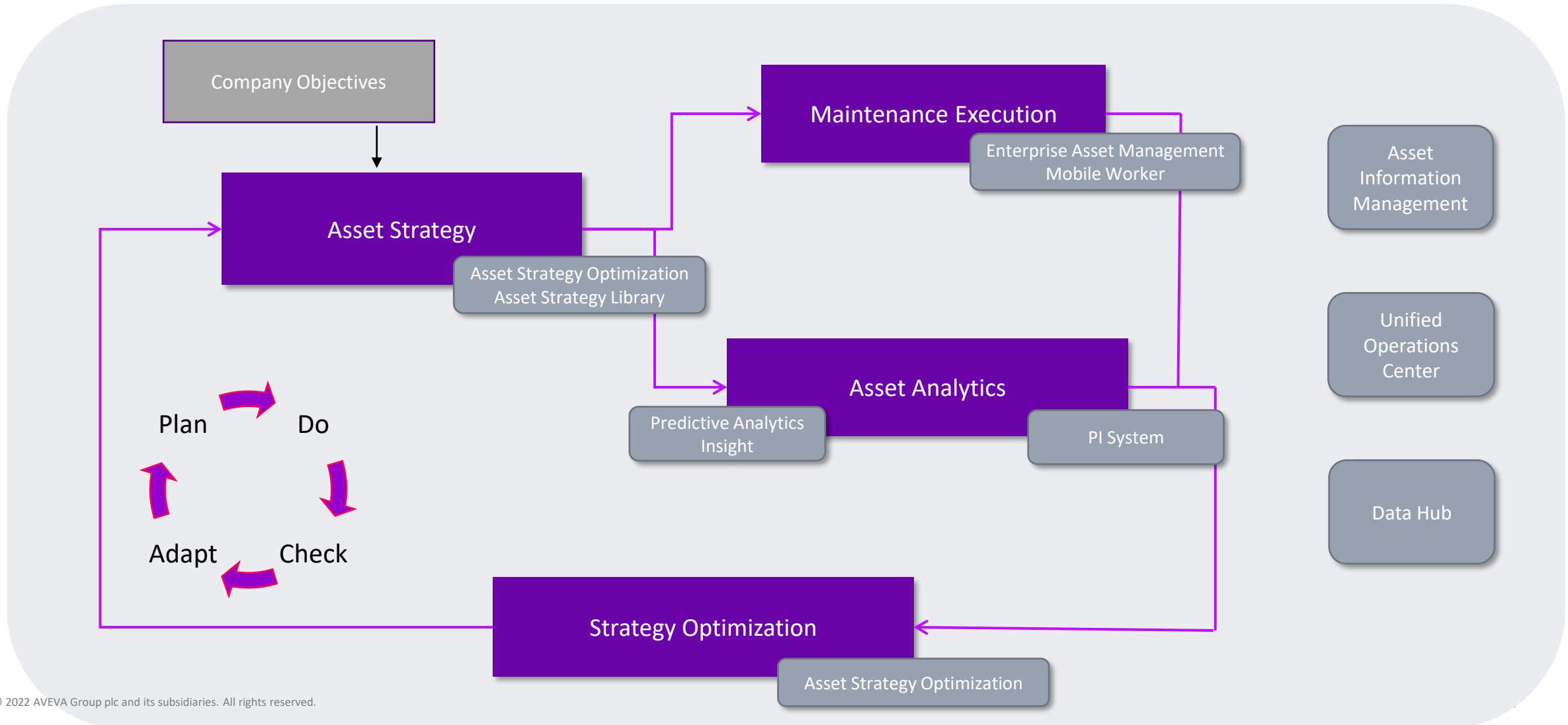
- Lowest life cycle cost
- Increased ROA (Return On Assets)

Standardize data structure and improve data quality

- Improved compliance
- Rapid fleet deployment



How AVEVA Asset Strategy Optimization fits in Plant of the Future / Digital Twin



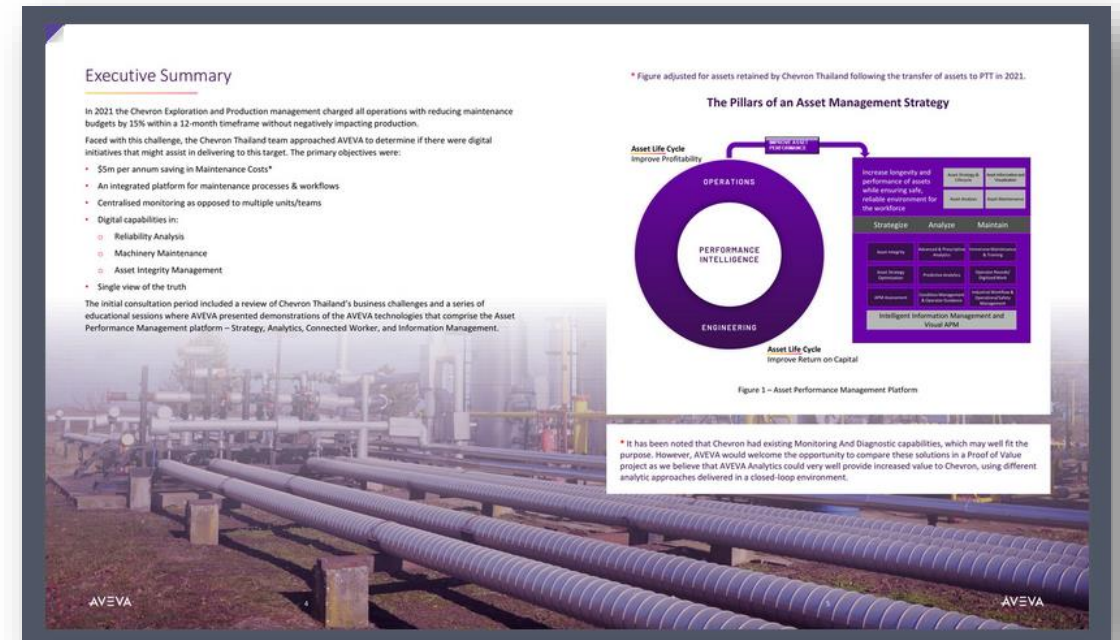
How do I get started with ASO?

No Proof of Concept needed, straight to solving business challenges

- Define and scope the challenge

Performance/output increase, maintenance cost saving

- Agree on KPIs and success criteria
- Phase 1 fully executed in 2 months
- Present confirmed value, Phase 2 roadmap





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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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ABOUT AVEVA

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