

MANUFACTURING INTELLIGENCE WEBINAR

What Manufacturers can learn from the Maintenance of Critical Infrastructure.



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AGENDA

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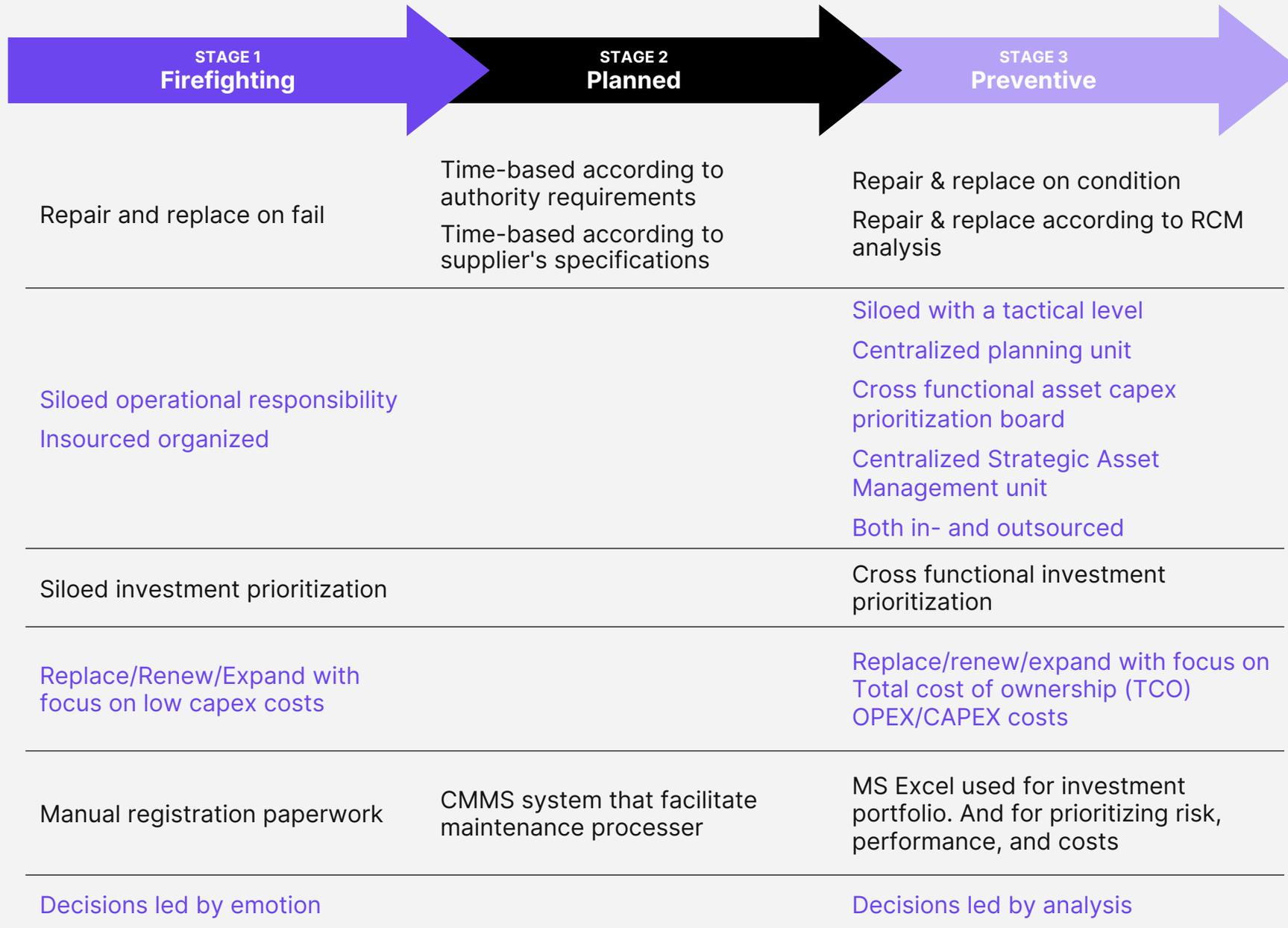
- Copenhagen Airport
- Banedanmark
- Heads up around 785 colleagues

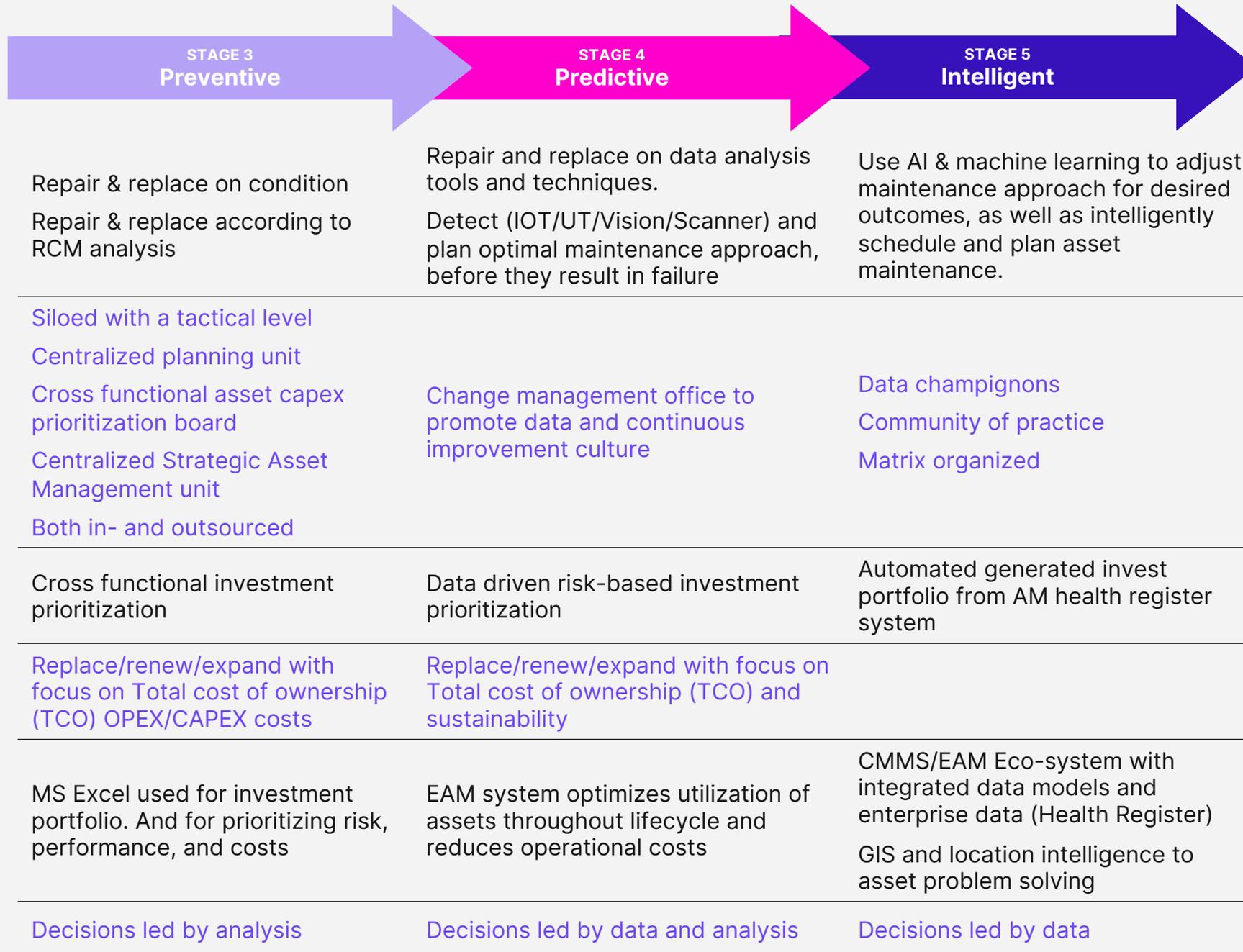
**What are the top challenges
with the maintenance of
critical infrastructure?**

What are the top challenges with the maintenance of critical infrastructure?

- Many are still in fire-fighting (reactive maintenance).
- Top management doesn't have maintenance capabilities.
- No-one asks the right maintenance questions.
- Management is focused on short term performance.

**How can organisations
move away from
reactive maintenance?**





**What are some examples
of good maintenance
strategies in action?**

What are some examples of good maintenance strategies in action?



**What do you think
maintenance will look
like in 10-15 years?**

What do you think maintenance will look like in 10-15 years?

“Within 10 years, 50% of all maintenance positions will change dramatically or simply disappear.”

What do you recommend people do to improve the way they do maintenance?

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Small companies

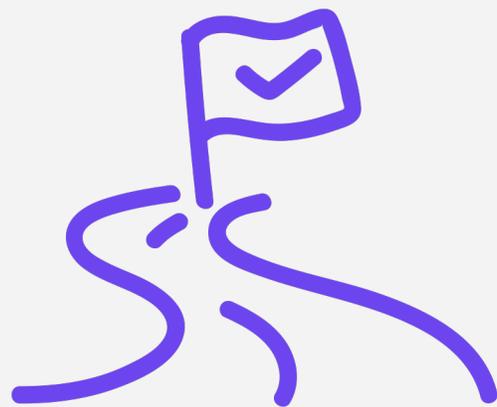
- **Get some data** on how your equipment is performing (failures, uptime, output, OEE).
- Establish a simple pen and paper **KPI board** so you can identify problems early.
- Train some people in **A3 problem solving** and find root causes.
- Coach your managers to be on the shopfloor, so they **ask the right questions**.

Large companies

- Build a framework for asset and maintenance management according to **ISO 55000**.
- Create a **balanced maintenance strategy** with the right split between corrective and predictive approach.
- Build a **risk-based approach** where you only prioritize maintenance activities with a clear link to enterprise risk.
- Establish a **LEAN management system** and create a culture of continuous improvement.

Questions from the audience.





Thank you for watching