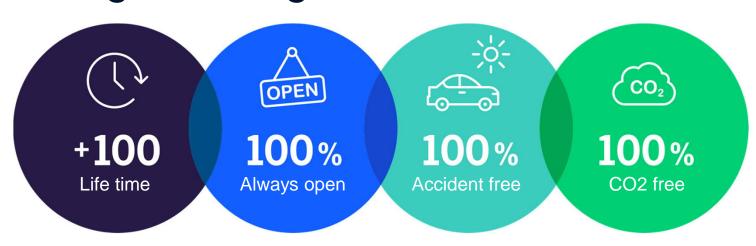
Dataderevet vedligehold og anvendelse af digital tvilling 31,5m Bengt Hergart, Anlægsdirektør Øresundsbron

Long term targets

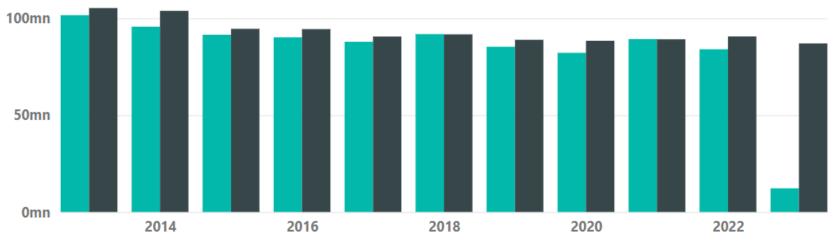






So far so good!

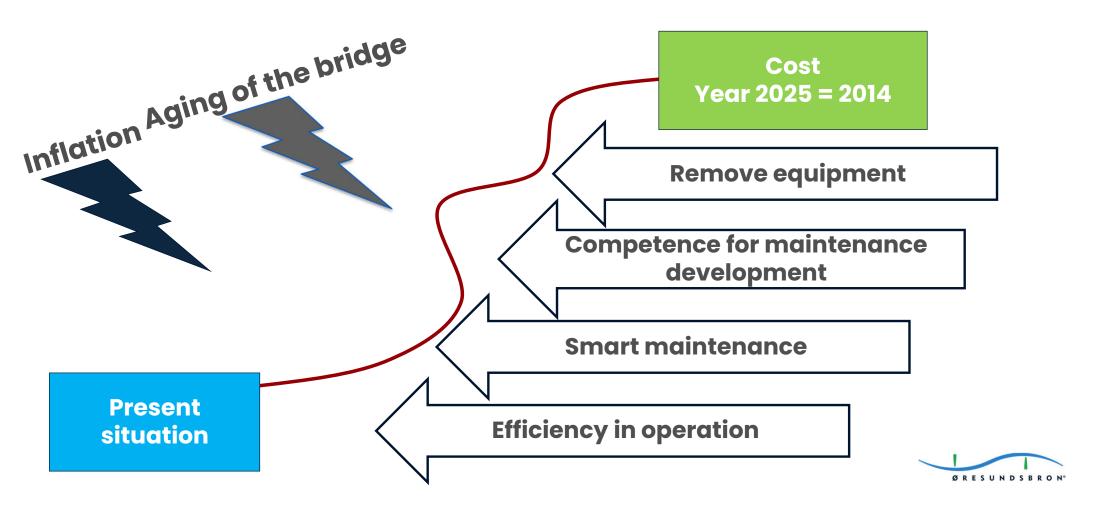
Operational Cost over time

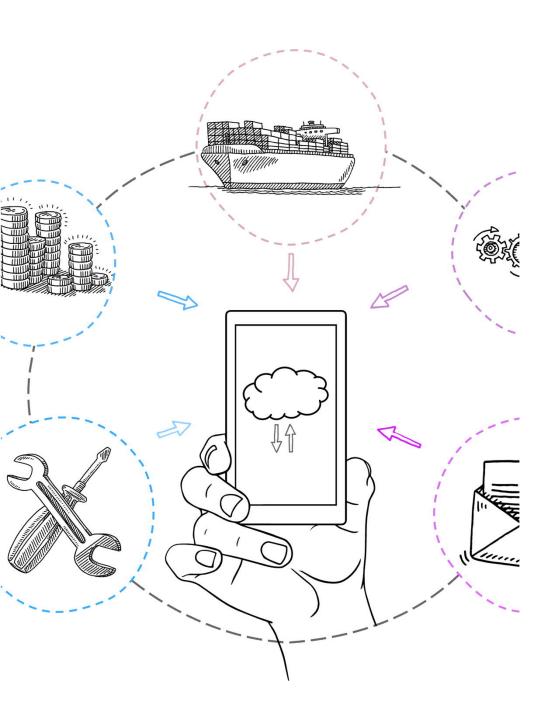


Reduced cost of re-investments



Smart maintenance is part of the solution





Smart Maintenance Øresundsbron

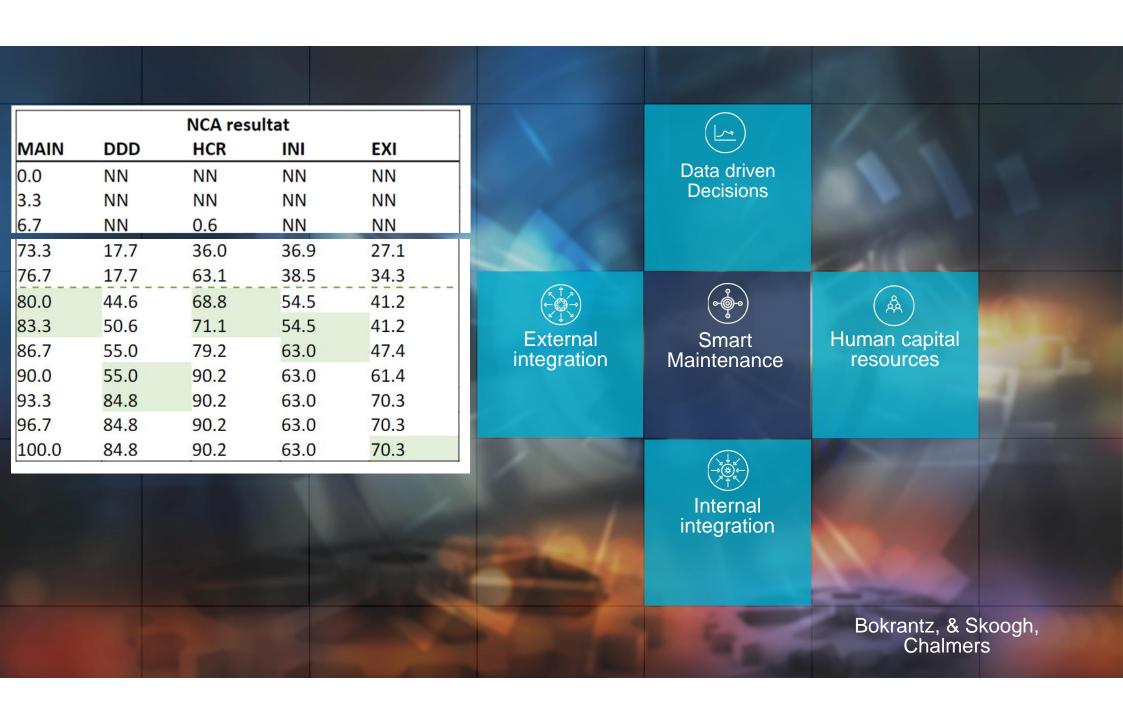
Bench marking & KPI

Analyzing big data

Predictive Maintenance

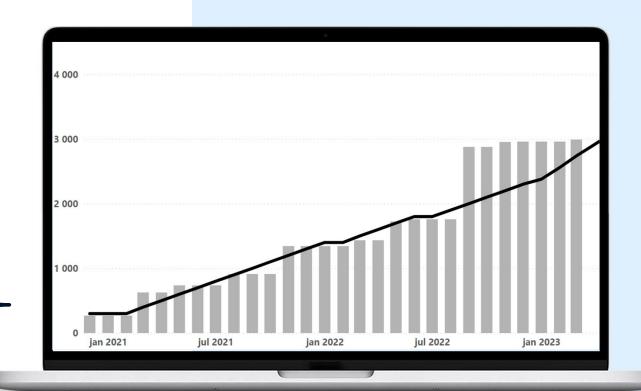
Digitalized methods





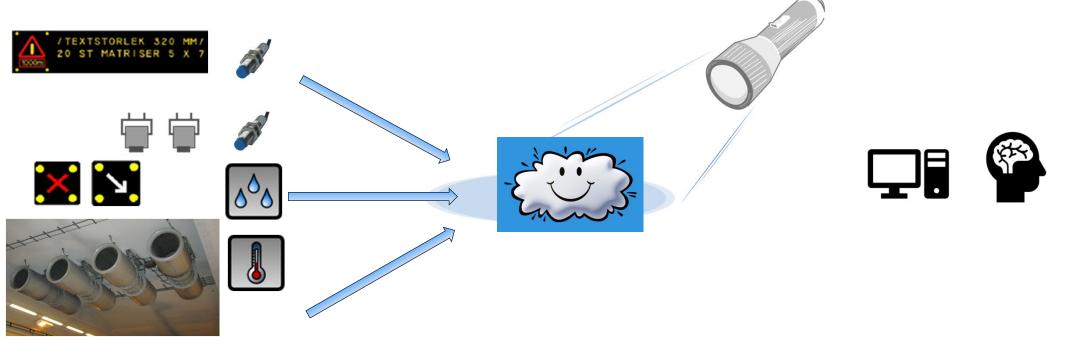
KPI: Data-driven Maintenance

Class	Sub-group
Corrective	Immidiate
	Deferred
Preventive	Pre-determined
	Condition- based, manual
	Condition- based, data
Predictive	Machine learning, Al





Analyzing big data



Equipment

Sensors

Collect

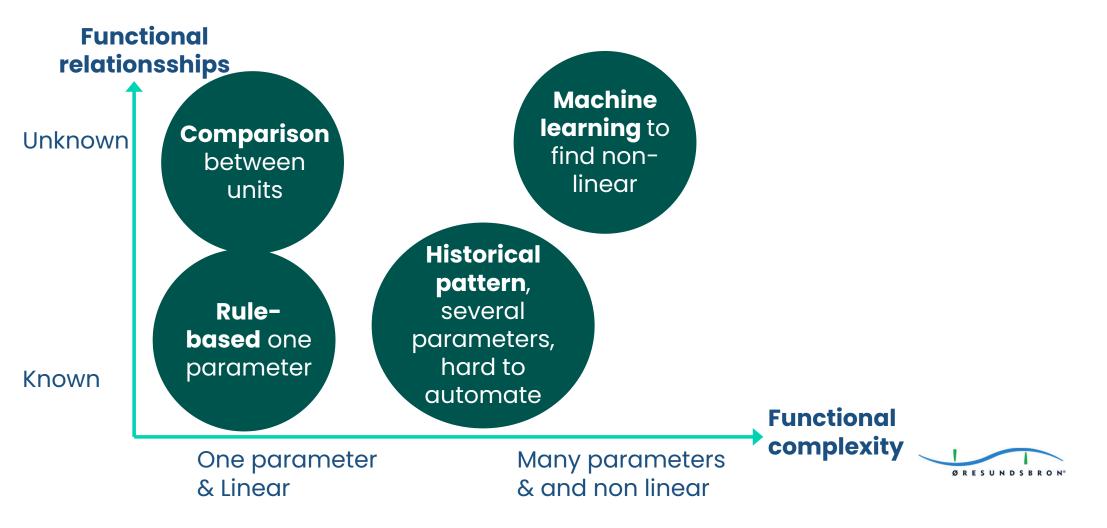
Store

Analyze

Tools & Competence

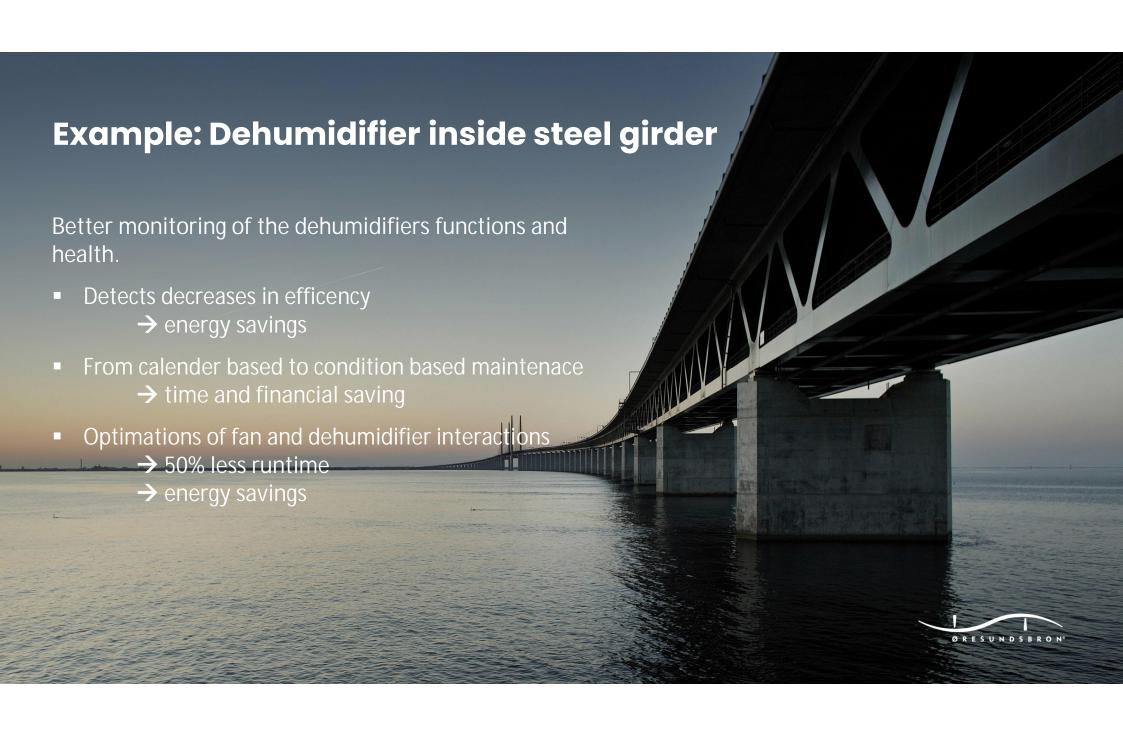


Differentiated approach









Learnings

- Smart maintenance is a way of cutting cost.
- KPI:s are a way of increasing the speed of change.
- Assessment models for smart maint.
 can be use across branches.
- ML algorithms are still not a mature business nor scalable.



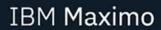


MX360 – Our digital twin

- Digital planning in projects
- Training and knowledge
- Accessability
- Low freq. condition inspection
- ⇒Cost savings
- ⇒Safety
- ⇒Avilability







Enterprise Asset Management



Användarnamn: trivalo-hgu

Lösenord:

.....

Logga in

Välj språk: Svenska V

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