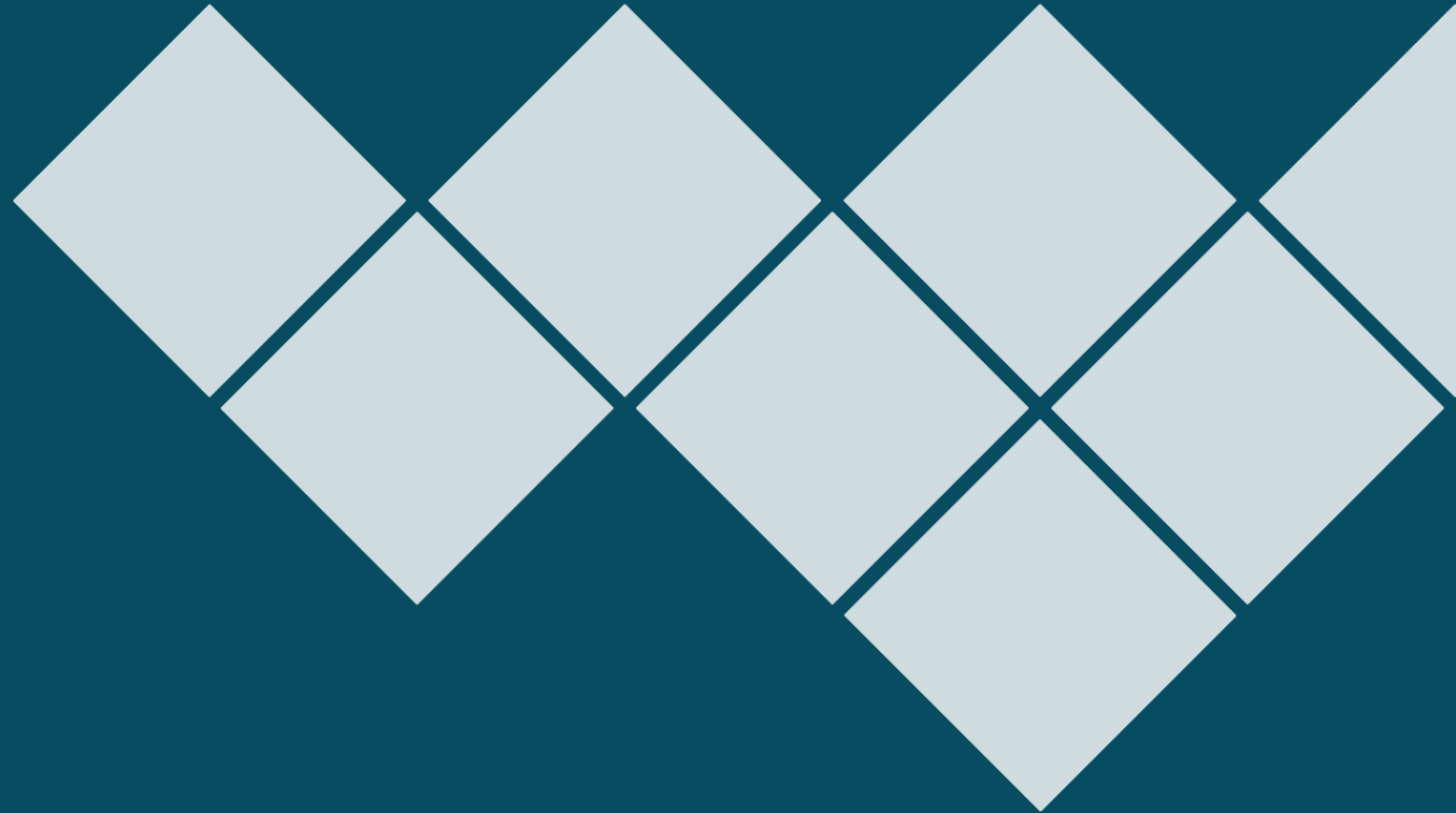




# Sustainable & Tangible: Implementing Digital Solutions

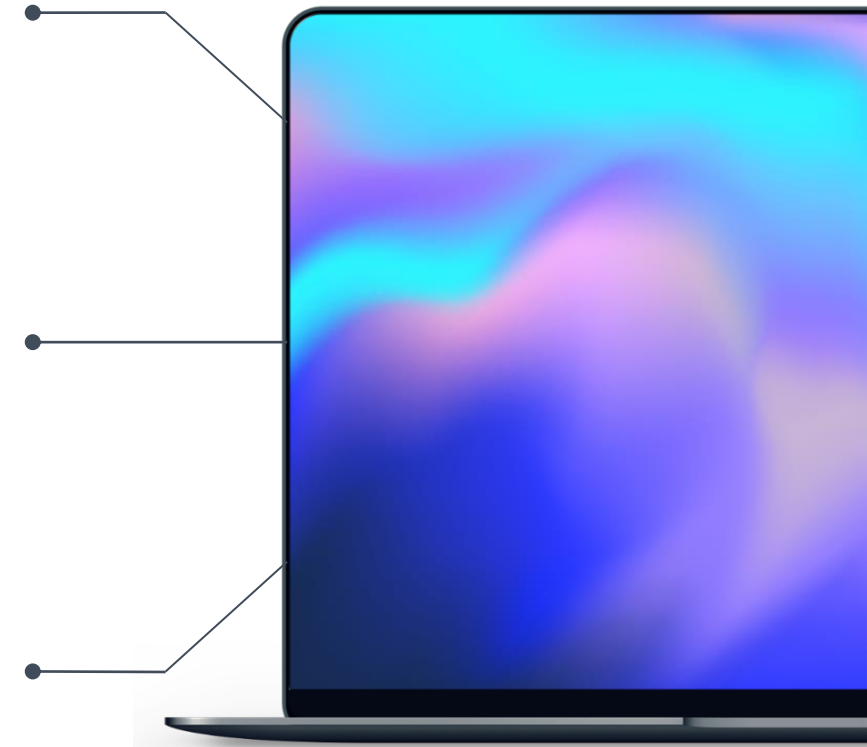




“Artificial Intelligence”

“Machine Learning”

“Big Data”



3 Service Lines



Operations & Maintenance

- Our service offering for complex energy and infrastructure assets with best-in-class SHE performance
- KPI-based long term contracts adding value to client's assets through tailored approach



Projects, Engineering & Consultancy

- Our PE&C service for both green- and brownfield assets is based on a unique blend of strong technical and operational capabilities
- Strong value add to customers by delivering concept to commercial operations process management



Energy Management Services

- We provide innovative and tailored energy trading and management solutions, delivering value and securing maximum return for the asset owners
- Clients are supported by two full 24/7 trading teams

4 End Markets



Midstream

- Established market for px with high barriers to entry
- Increasing role of natural gas in energy security and power generation will create new opportunities



Downstream & Chemicals

- Direct exposure to the market via Saltend ownership
- Specialty chemicals market expansion and growth of circular economy will benefit px



Power & Renewables

- Experience in traditional power and biomass / renewables
- Increasing demand for power and the energy transition will drive opportunities

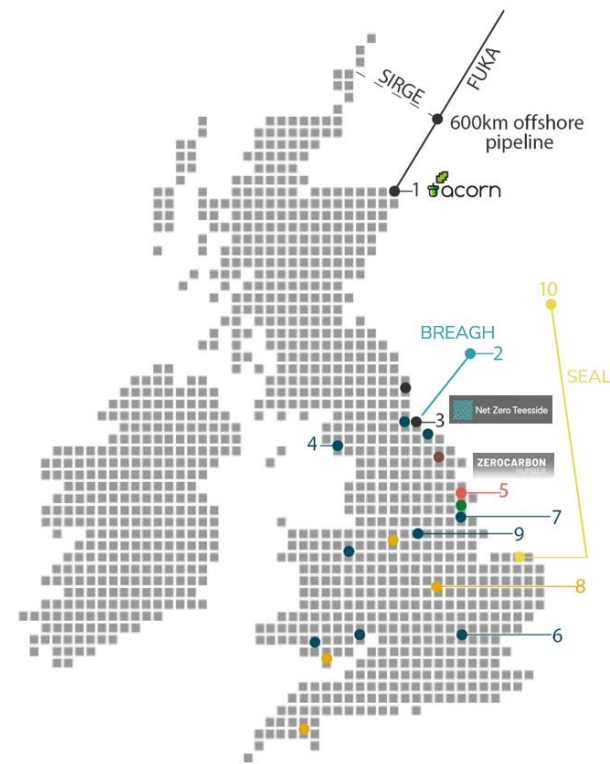


Upstream

- A relatively new market segment with growth potential driven by need to replace incumbent service providers



Energy transition



- 1 ST FERGUS GAS TERMINAL**  
Upper tier COMAH site with 2,648 mmscf/d processing capacity + 600 km subsea pipelines
- 2 BREAGH**  
A normally unmanned installation (NUI) managed remotely from Teesside Gas Processing plant + 200 km subsea pipelines
- 3 TEESIDE GAS PROCESSING PLANT**  
Upper tier COMAH site with 800 mmscf/d processing capacity
- 4 FELLSIDE CHP**  
188 MW Combined Heat and Power plant
- 5 SALTEND CHEMICALS PARK**  
One of the largest independently operated multi-user chemical parks in the UK
- 6 BECKTON CHP**  
17 MW Combined Heat and Power plant
- 7 STALLINGBOROUGH CHP**  
15 MW Combined Heat and Power plant
- 8 NORTHAMPTON TERMINAL**  
30,000 cubic meter storage capacity
- 9 HOLBROOK**  
6.5 MW biomass plant



# Saltend Chemicals Park



ABP

PERENCO

INEOS MITSUBISHI CHEMICAL

TRITON POWER

vivergo

bp

YARA

TRICOYA

AIR PRODUCTS

INEOS

INEOS



## Advanced Analytics

- Predictive month-end results visible to the whole organisation
- Real time maintenance statistics
- Live operational displays to drive real-time business decisions



## Digital Operations

- Putting data in the hands of the operators
- Tablet-based data collection and equipment trending
- Connecting Operators to Experts without travel expenses



## Execution Optimisation

- Planning Optimisation Processes
- Predictive maintenance management
- px Scheduler



## Automation

- Systematic elimination of repetitive business tasks
- Automated email processes
- Scheduled KPI reports



## Integrated Information

- Integrated document workflow and maintenance management system
- Integration of any data anywhere to discover hidden inefficiencies



# Maintenance success

In three years since transfer from the original operator to px:

**94%** reduction in PM backlog

**56%** increase in maintenance execution

**37%** FTE reduced maintenance organisation





# Digital Operations



Operator routines collected on paper sheets

30 minutes per shift entering into Excel

Same information collected in the same order on a tablet

7 hours saved per week

“Digital Transformation” becomes a reality



## Operations

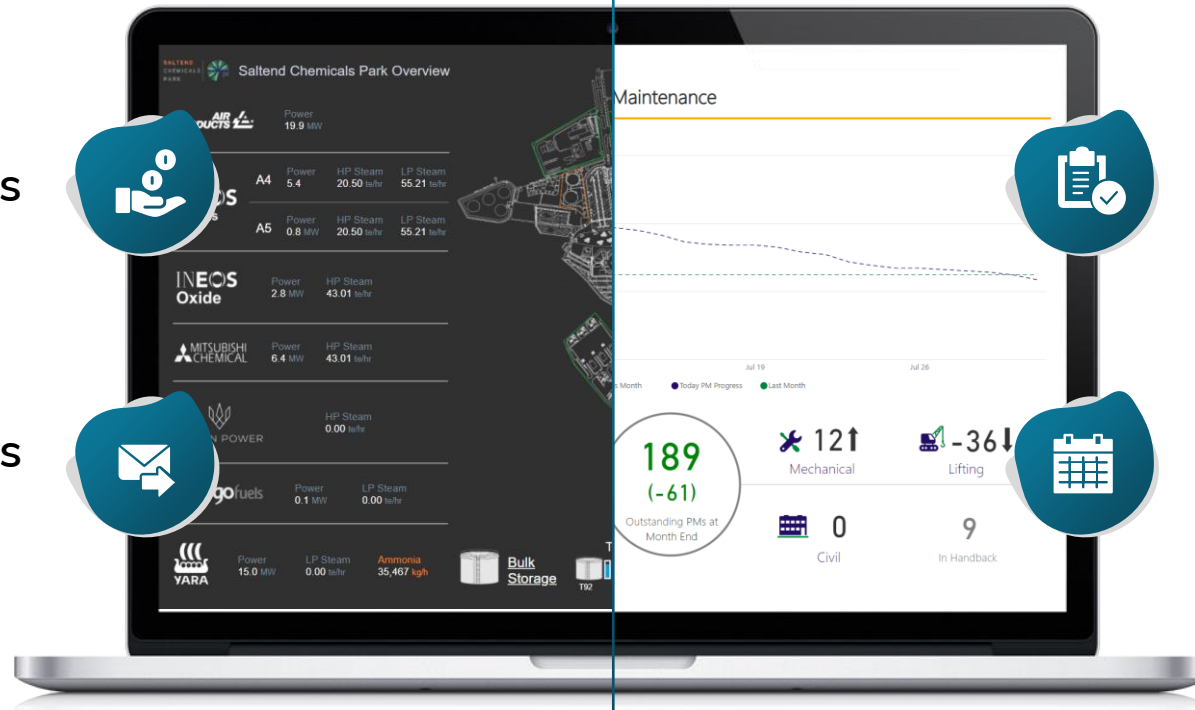
## Maintenance

Real Time Insights

Predicted Month-End Results

Automated Notifications

px Scheduler



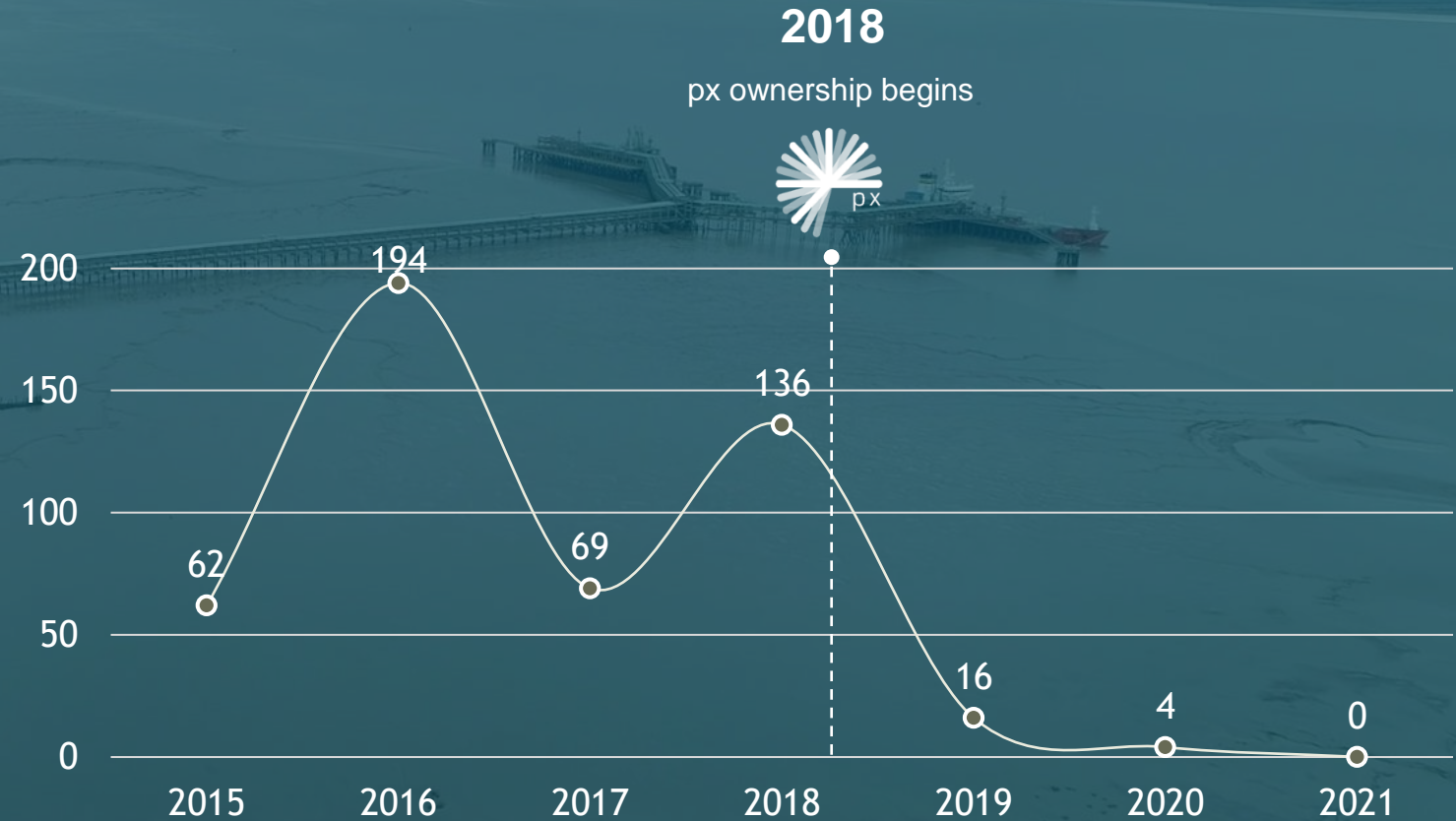


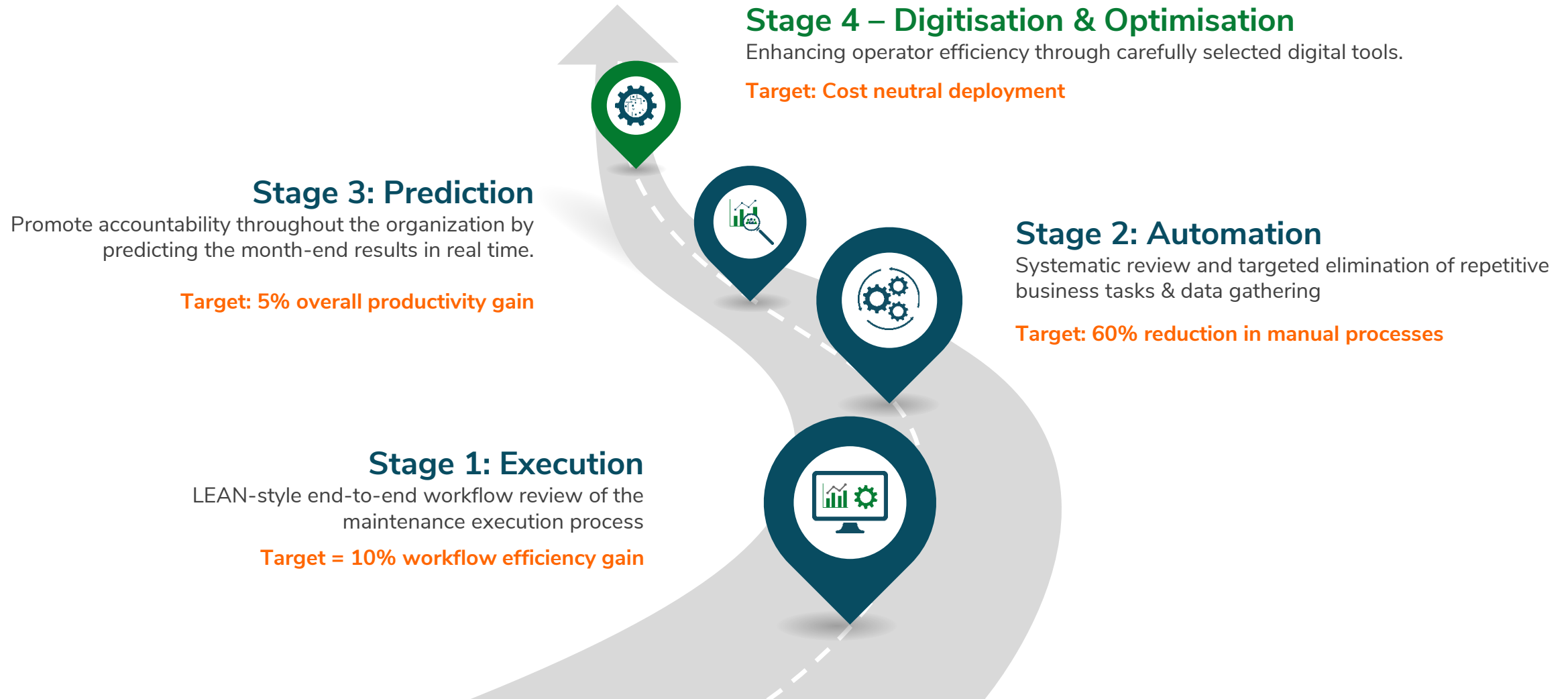


15,000 te  
ammonia storage



## Risks mitigated with zero capital investment







## Questions

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