

NGIN Insights Gas Case

Context

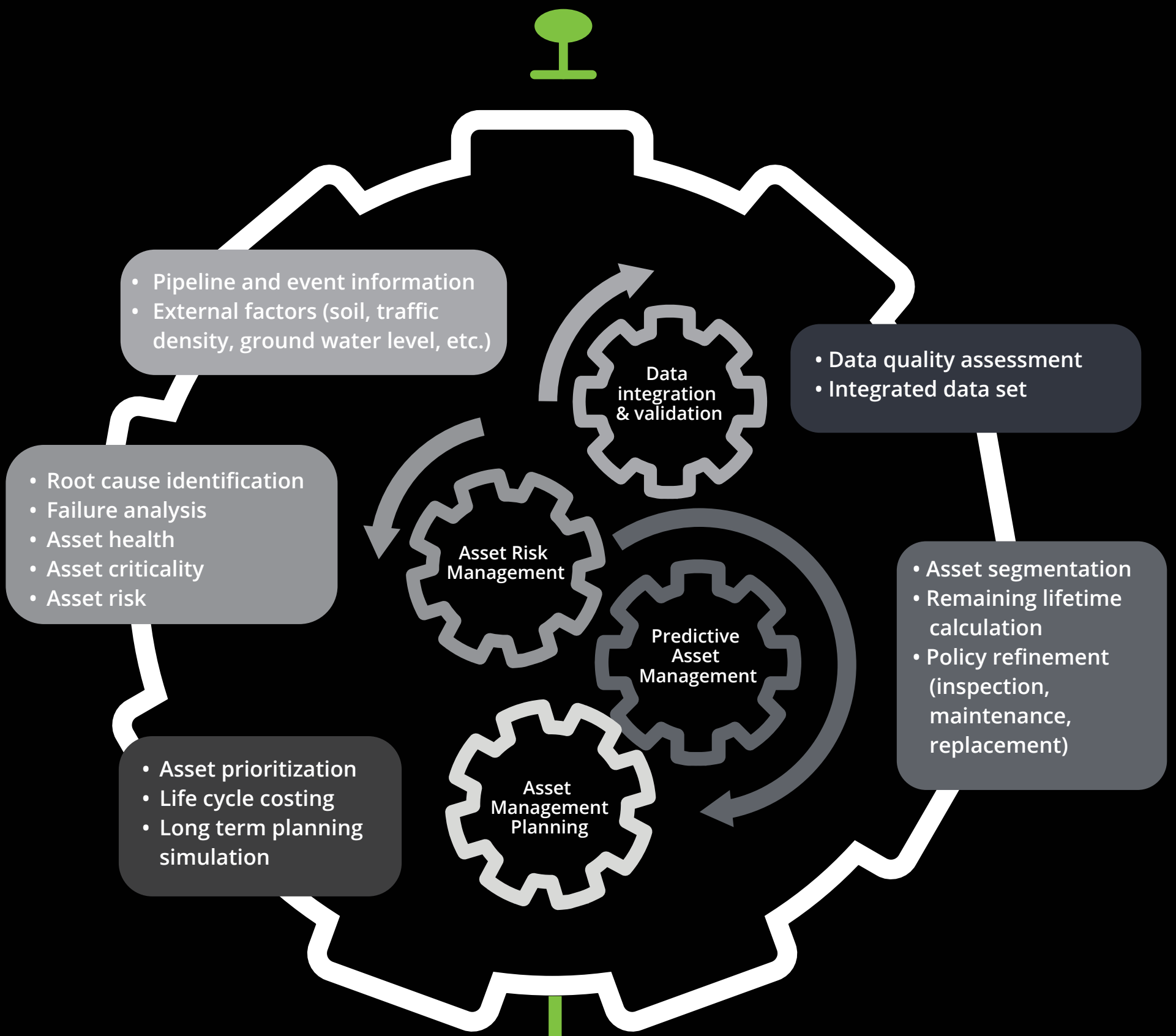


- **34 936 km**
Natural gas distribution network
- **1.7 million**
connections
- **47 138**
social supplier customers

Challenges

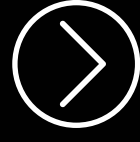


- Ageing gas distribution infrastructure
- Maintaining a safe gas grid
- Increasing regulatory pressure on costs
- Scarcity of resources



Previous planning approach

- Spreadsheet-based, manual and time consuming process
- Mainly driven by financials with a partial link to risk and performance
- Based on rules of thumb and expert judgement
- No complete transparency of planning process



Data-driven planning approach

- Capital allocation is made in a consistent, transparent and optimal way across all assets
- Planning balances financials, risk and performance
- Increased efficiency and flexibility of the asset management planning process
- Simulation of alternative planning scenarios
- Finetuning and optimizing asset policies
- Insights into future Supply Chain needs

Benefits



CAPEX savings
(33 mio EUR over 15 years)



Extended life time
on average by 10 years
(at same performance levels)

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