Digital Transition

The performance aspect

KPIs

Data

Procedures

Decisions

Execution

Results

Correction

Time series Trends Spectra Smart signals

Rounds Logs Monitoring Failure reporting

Item failure data Fleet experience Anomaly detection

System health work

Failure mode identification

Engineering & research

Daily O&M meetings

Planning meetings

Fleet alignment & strategy

Work orders

Outage plans

Spare parts procurement

Safety issues

Critical asset health

Forced shutdowns

Availability

Long term maintenance

Long term maintenance

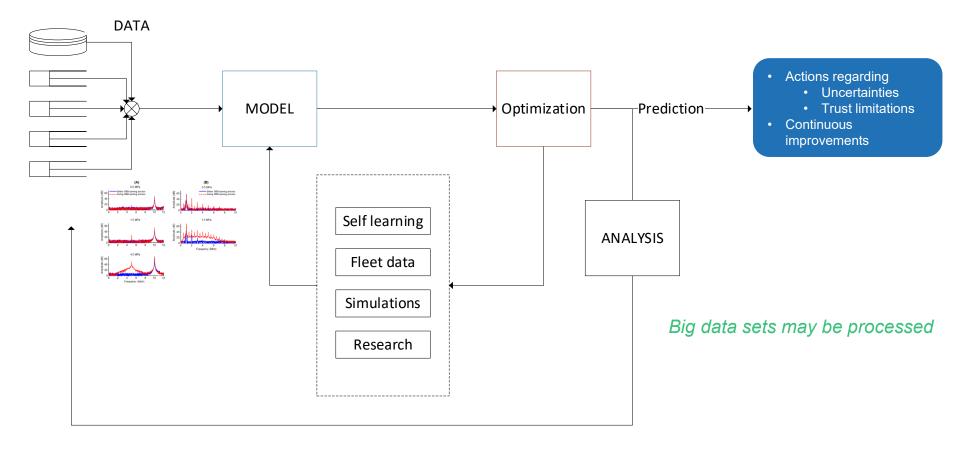
Failure reduction programs

Scram reduction programs

Spare parts optimization



Building digital twins coupled with machine learning and advanced monitoring



Predictive Maintenance Optimum

Develop and evolve digital Data build up twin model Identify risks for unplanned Risk informed shut-downs decision making or maintenance

Enhanced Plant Performance

Predicable Production

VATTENFALL =

Inventory Optimization