

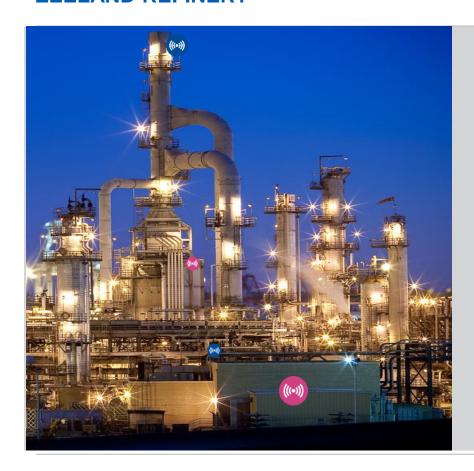
ZEELAND REFINERY CASE



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EARLY WARNING DASHBOARD AND PREDICTIVE HEALTH MONITORING ZEELAND REFINERY





USE CASE

Is it possible to optimize maintenance and replacement of valves within the CCR equipment?

ADDED VALUE

Less defecting and leaking valves resulting in higher uptime of CCR equipment.

Better product quality resulting in higher yields.



PRACTICAL SOLUTION

Dashboard showing valves that requires most urgent attention based on predictive models and pattern recognition.

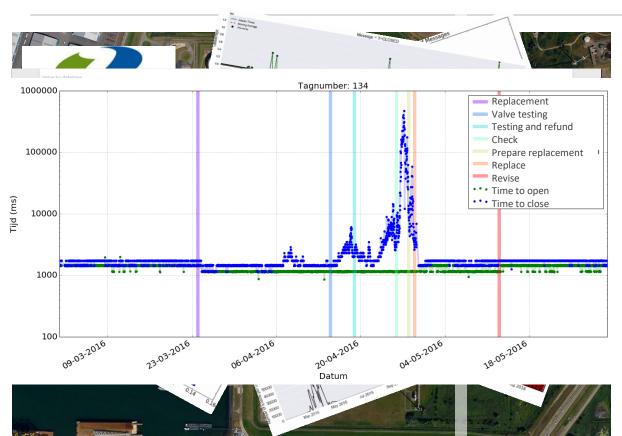
ROLE AXIANS

Advanced data analytics based on valves data. Extending valves data resulting in delivery of highly reliable predictive models.



ZEELAND REFINERY





OBJECTIVE

Cost reduction and improve efficiency by predicting when valves are going to fail

DATA

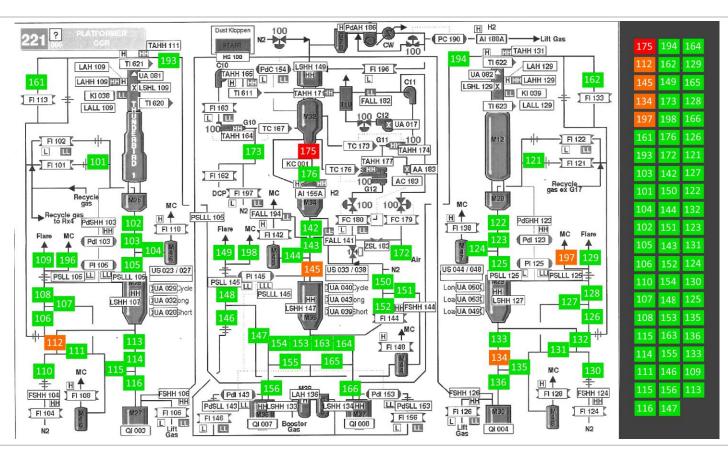
PLC process data Maintenance data

RESULTS

Insight in behavior of valve and confirmation that it is possible to predict when valve is going to fail

EARLY WARNING DASHBOARD AND PREDICTIVE HEALTH MONITORING





Behind these traffic lights there are predictive models.

Valve 175
requires most
urgent attention.
It is the valve
that is **most**likely going to
fail.