

A photograph of an offshore wind turbine in the North Sea. The turbine's yellow tower and nacelle are visible on the left, with a red and white striped tower top. The sea is dark blue with white-capped waves. In the background, several other wind turbines are visible on the horizon under a cloudy sky with a bright sun. A small helicopter is flying in the sky to the right of the sun.

Accelerating the digital transformation of THE NORTH SEA
MASTERING MAINTENANCE

Offshore Expertise Center

Digital transformation of the North Sea

- Collect more data
- Improve communication capabilities



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Important for:

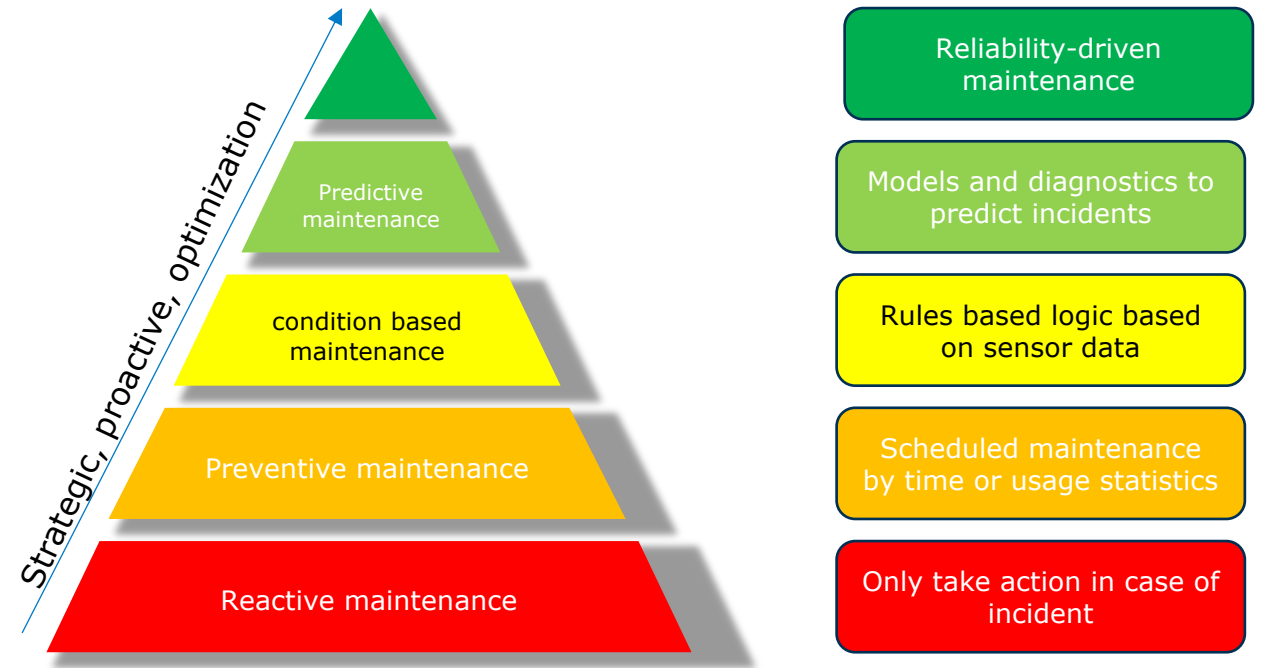
- Maritime security
- Nature conservation
- All ongoing transitions in the North Sea



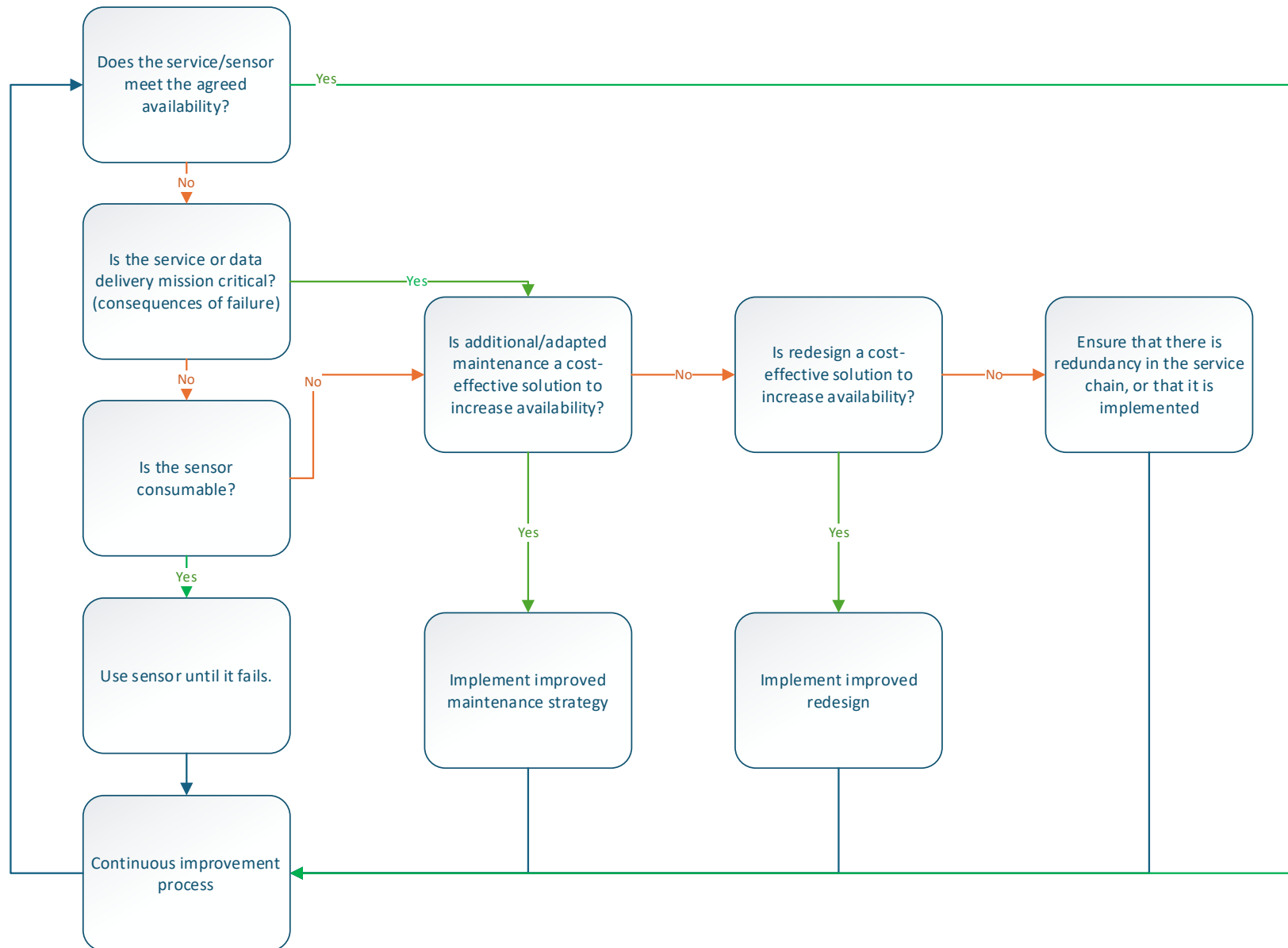
Smart maintenance and the MIVSP sensors

Two-pronged approach regarding experience, lead time, and resources:

1. Optimization using Reliability Centered Maintenance (RCM) methodology
2. Integration of secondary measurement data



Data chain evaluation in relation to Reliability Centered Maintenance (RCM)



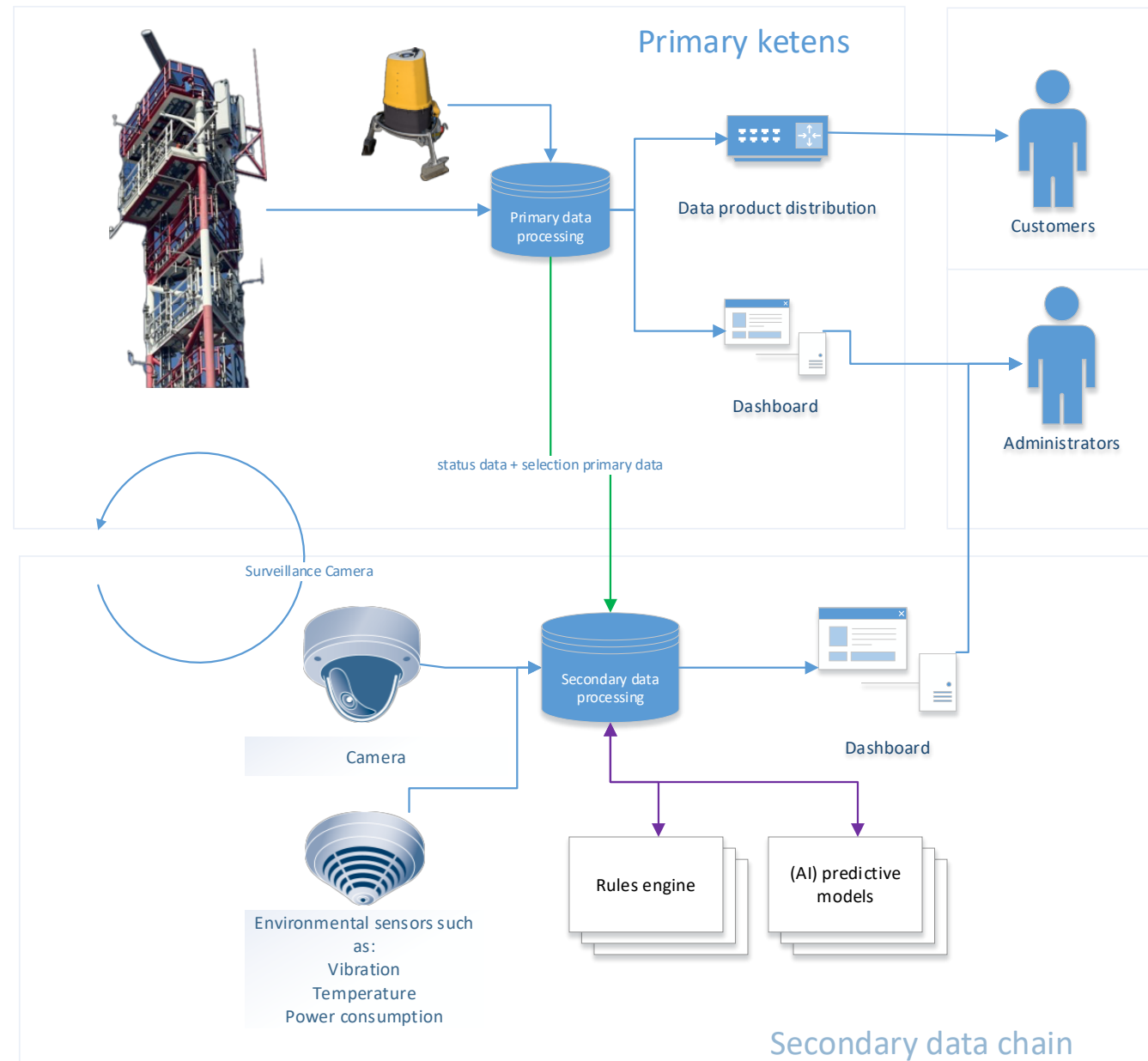
Integrating primary and secondary metrics

Challenging due to the multitude of primary chains, sensors, and locations:

- Hydro and Meteo chain
- Navigation radar chain
- Bird radar chain
- Bat detection chain
- AIS chain
- Marine radio chain
- Video chain
- Partner chains: LVNL and the Land Registry

Specific secondary sensors and chains

- Status data directly from the primary chain



Our explainer videos

On digitalnorthsea.nl you'll find:

- Two introductory videos

We will be adding:

- Smart maintenance
- Maritime security



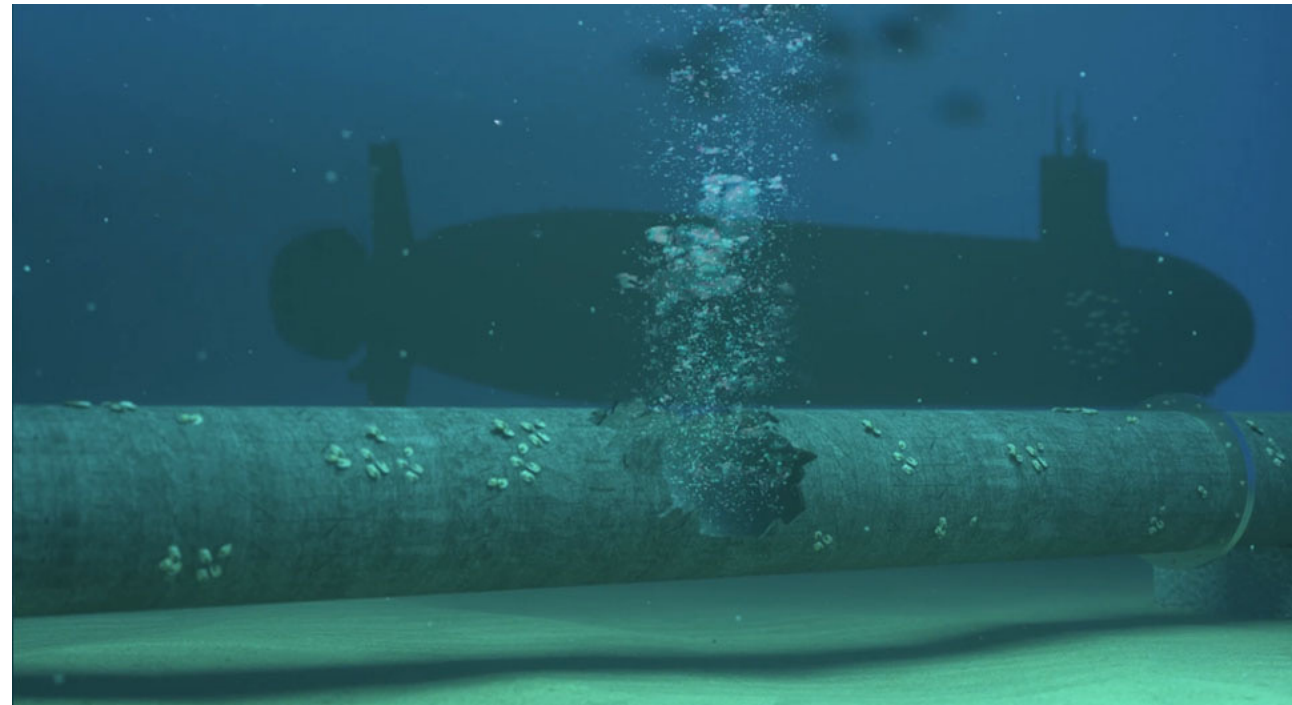
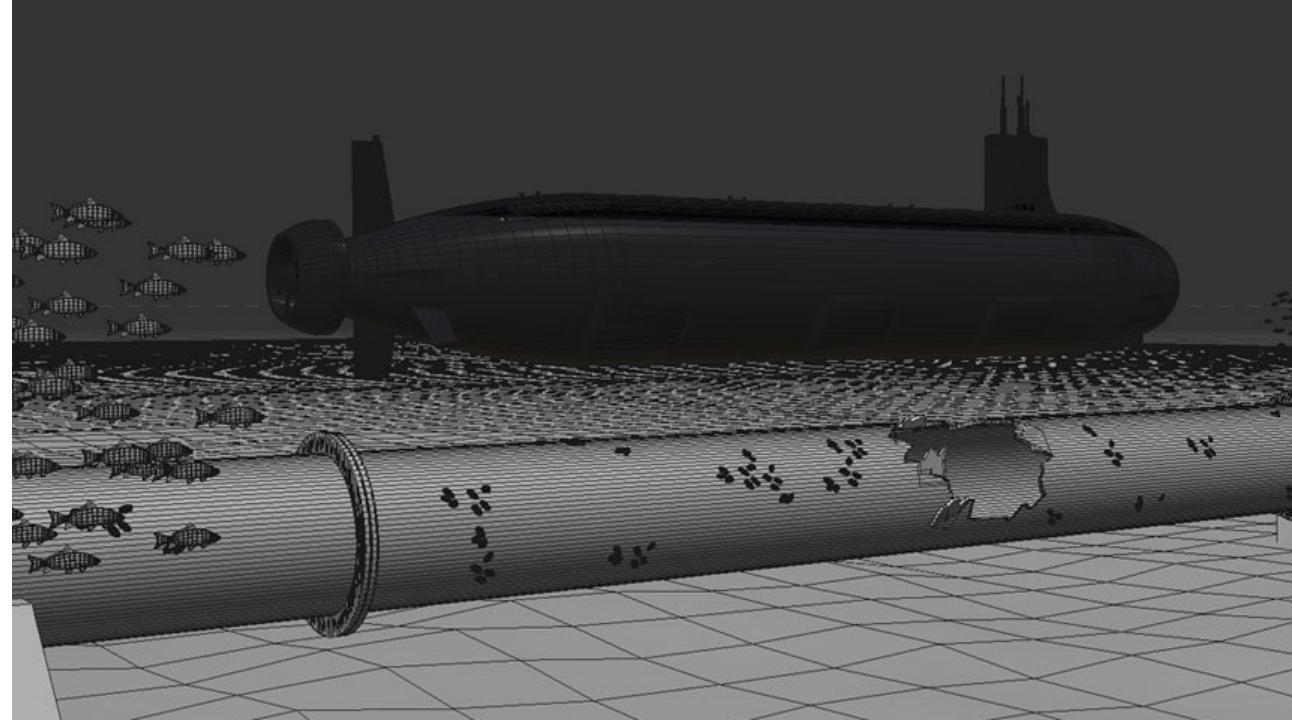
The Creative Process

- Research
- Scriptwriting
- Filming
- Stock footage acquisition



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- Research
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- Animation
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 - Texturing
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- Editing
 - Visuals
 - Sound
 - Titles and subtitles



Links to the videos

[Grip op onderhoud - Nederlandse versie](#)

[Mastering maintenance - English version](#)



Rijkswaterstaat
Ministerie van Infrastructuur en Waterstaat

Enjoy our explainer video on smart maintenance!

Meer weten?

Kijk op rijkswaterstaat.nl en volg onze online kanalen



Steven Abdoelkhan (RWS CIV) steven.abdoelkhan@rws.nl