

FLEET CLEANER

ROBOTIC UNDERWATER SERVICES

C. de Vet - COO Fleet Cleaner

Agenda

1. Introduction
2. Fleet Cleaner
3. Fleet Inspector
4. Fleet Watch



I. We are Fleet Cleaner

Robotic Tech Scale-up with 80 employees



Deloitte.

Nominee 2023

50 Technology Fast 50
2023 THE NETHERLANDS
Deloitte.



FD Gazelle

2023



2. Fouling increases fuel consumption with 5-10%



2. Fleet Cleaner reduces impact of fouling to almost 0 by cleaning in port



2. Advantages robotic hull cleaning

Current practice

- High risk
- Outside of ports
- Fouling released in the water
- Coating damage

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Fleet Cleaner solution

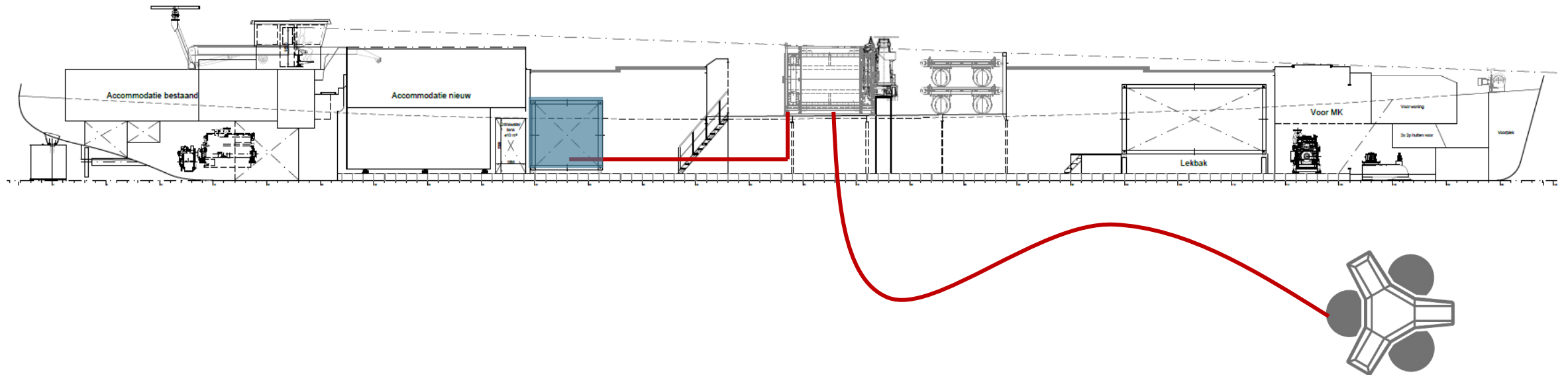


- Safe operation
- During port time (24/7)
- Fouling captured
- Controlled coating impact

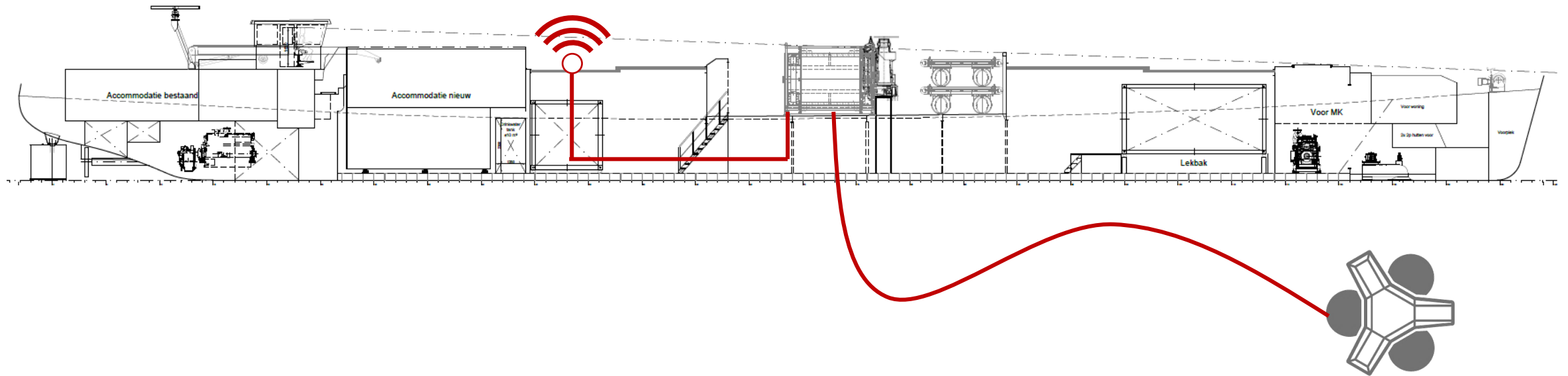
2. How it works



2. Remote cleaning



2. Remote cleaning

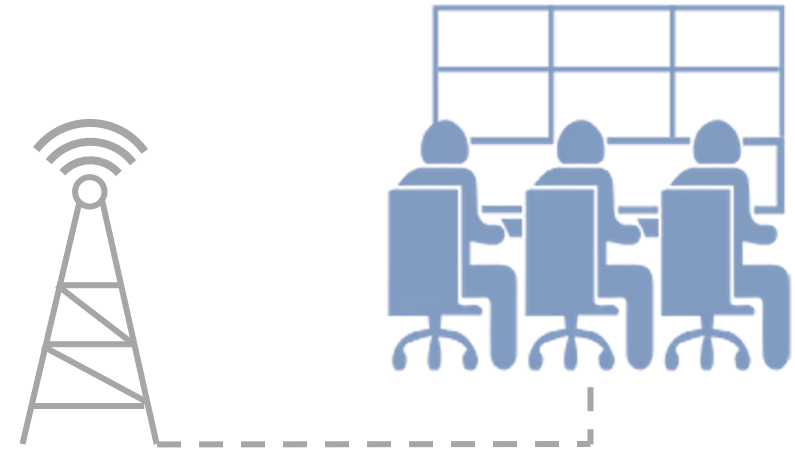


2. Remote cleaning

Support vessels operated by FC



Remote control center



Service

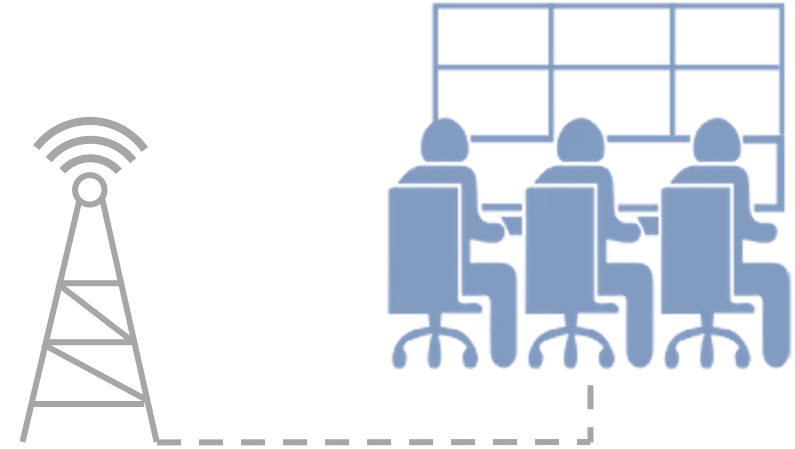


2. Remote cleaning

Support vessels operated by FC



Remote control center



Service



3. Fleet Inspector

ROV INSPECTION

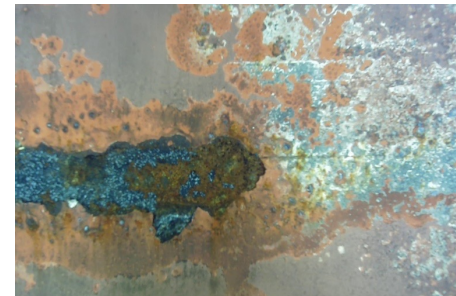
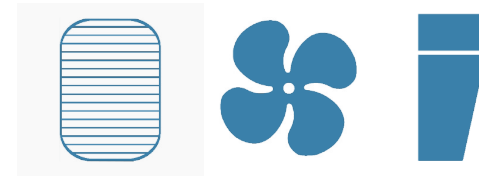
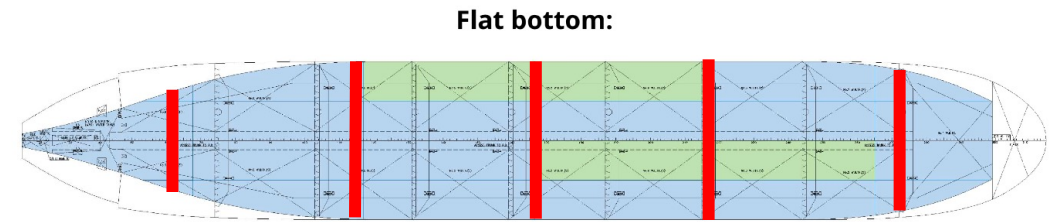
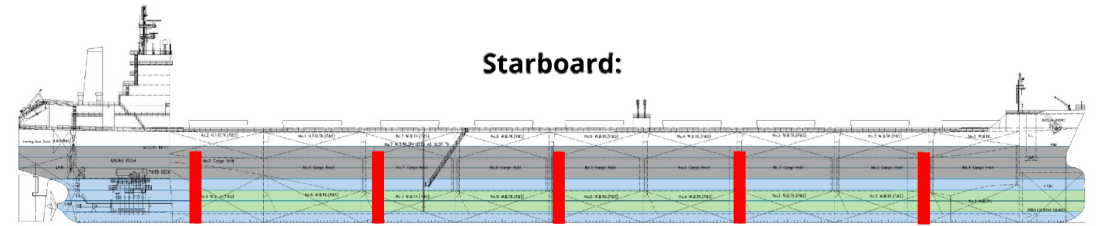


Report ready < 2 hours

No deep draught issue



REPORT



4. Fleet Watch



Big data analysis



Machine learning



PDF - Fouling risk

FLEET WATCH
DATA-DRIVEN FOULING PREDICTION

SERVICE PROVIDED BY **FLEET CLEANER**
ROBOTIC UNDERWATER SERVICES

GLOBAL TRACKING
MINIMAL FOULING IMPACT
BIG DATA

EXAMPLE VESSEL
IMO: 9296731
Type: TANKER
Length: 174 m

Estimated fouling risk
Medium

The estimated risk of fouling is based on location data, weather conditions and our algorithms developed using our experience in underwater services.

Fouling risk data

Average Draught
9.3 m

Max Draught: 12 m
Min Draught: 1.5 m

Total Idle Time
49 days | 4.8 %

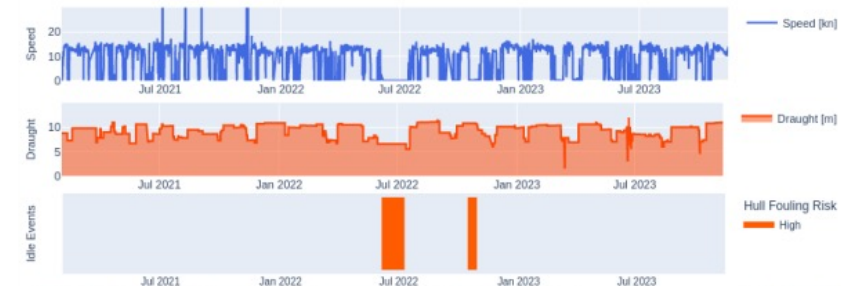
Our advice
Fleet Cleaner developed a self-learning big data algorithm to assess the risk for hull fouling based on your vessels recent operational profile. Please find our assessment below:

- Risk for hull fouling: Medium Risk
- Advised next step: Robotic inspection at arrival

If you would like us to arrange this, please click here

[Send an email](#)

Most recent locations with fouling risk:
North Brazil Shelf HIGH RISK 14 days Oct '22
South China Sea HIGH RISK 35 days Jun '22



4. Our approach



Thank you for your attention