

Hull Penetrating Instrumentation-platform for Ferries

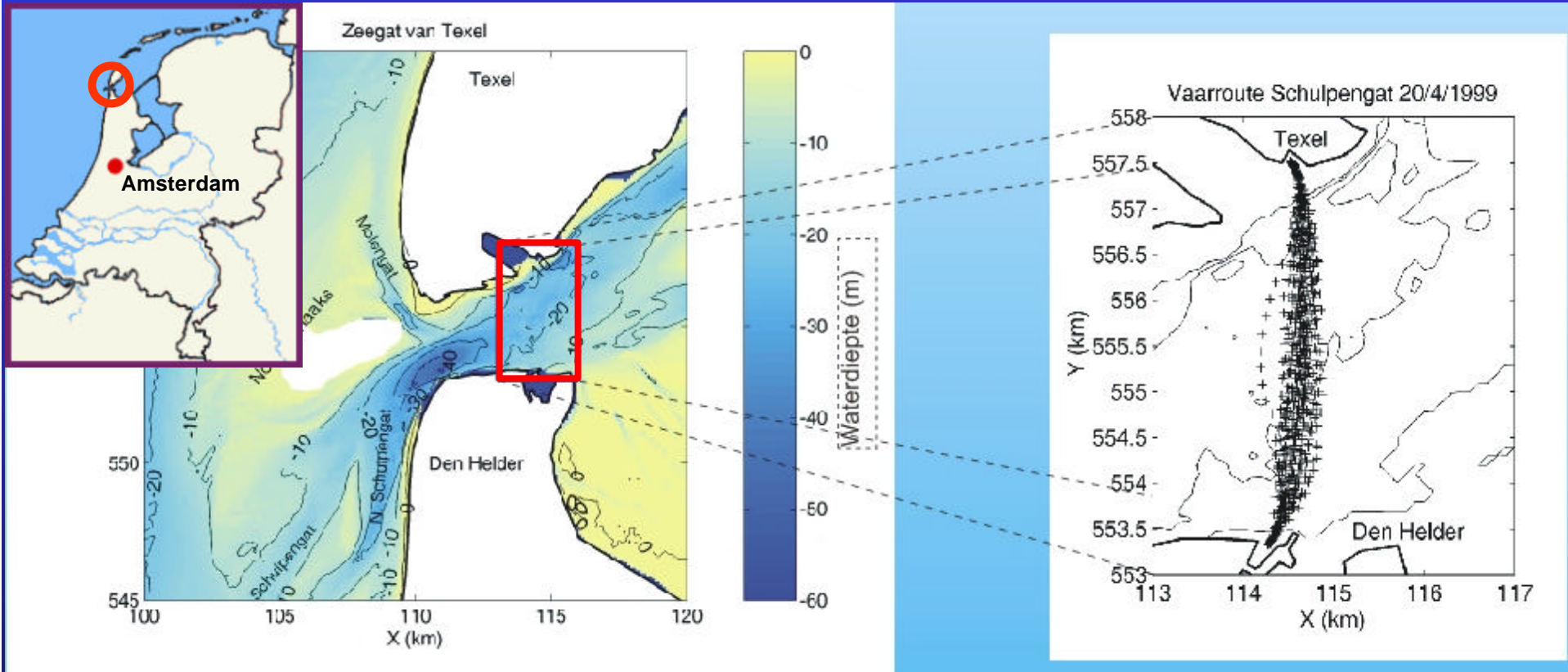
by

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Way of the ferry between Texel and Den Helder



- Depth and shape of the seafloor
- Particle transport
- Salinity

- Temperature
- Currents
- Algae activity



First design placed under the ferry 'Schulpengat'

Schulpengat

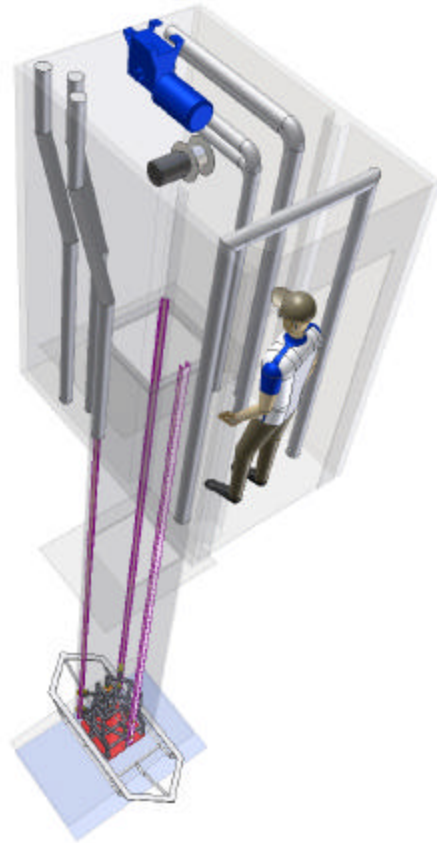


Problems/difficulties



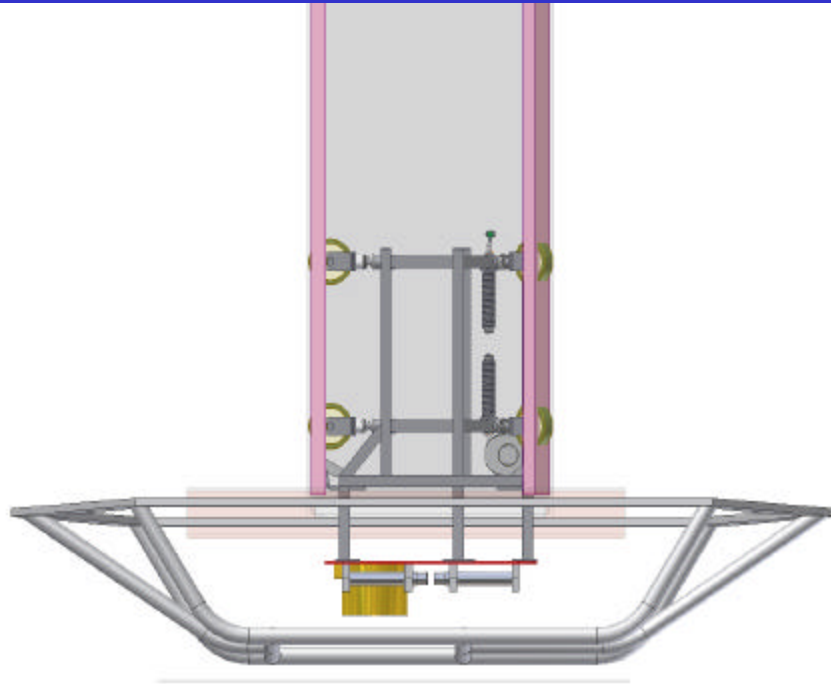
- Maintenance
- Fouling
- Flexibility

New Ferry... New Design



Dr. Wagemaker

New Ferry... New Design



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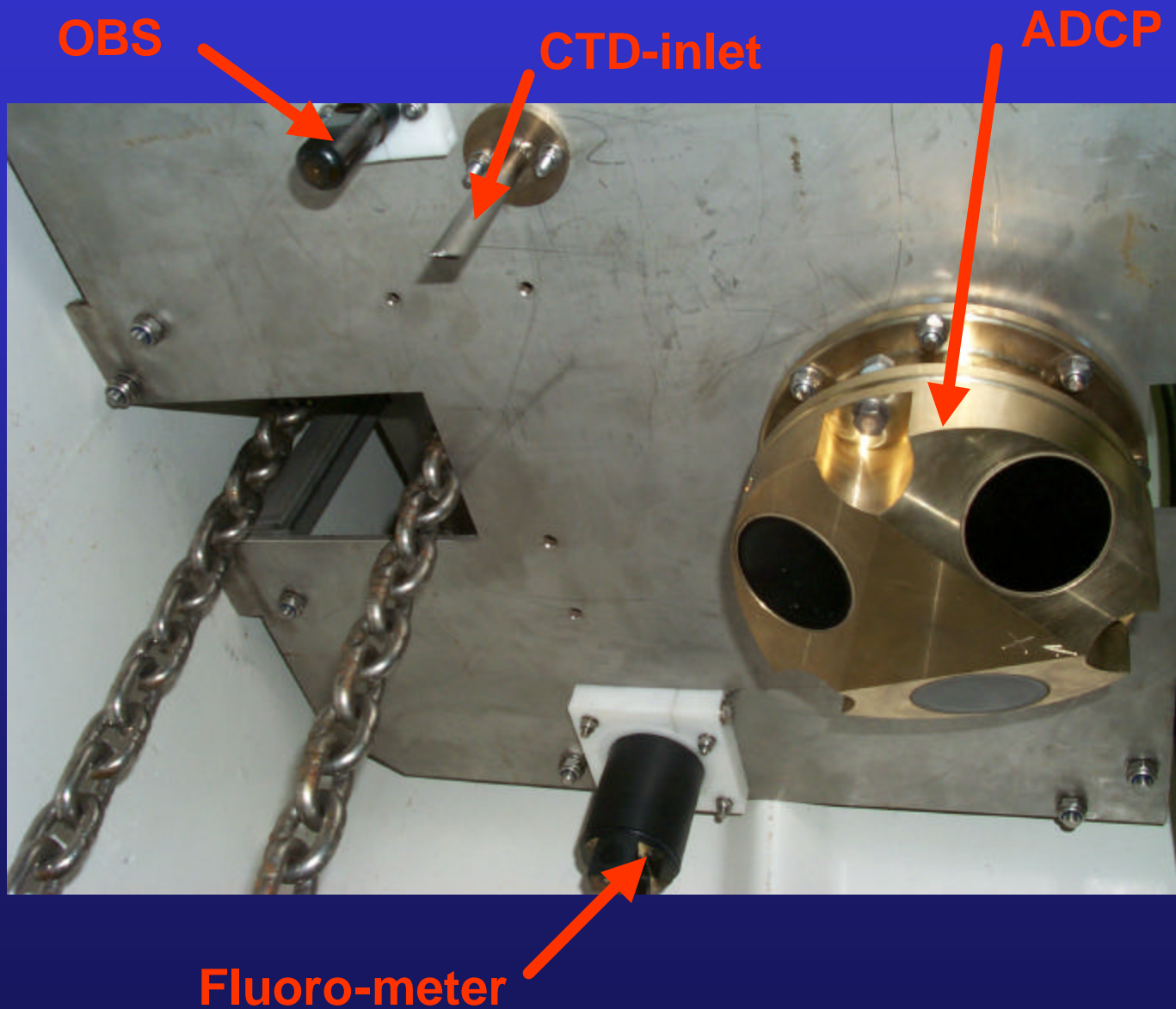


Ready to be used



1. Engineer starts main engines (6:00 AM)
2. Platform goes down *automatically* until 20 cm below the hull
3. Instruments are measuring during the day
4. Main engines are shut down (10:00 PM)
5. Platform *automatically* goes up to the 'cleaning' position
6. Instruments are cleaned with a hi-pressure cleaner

Flexible instrumentation platform

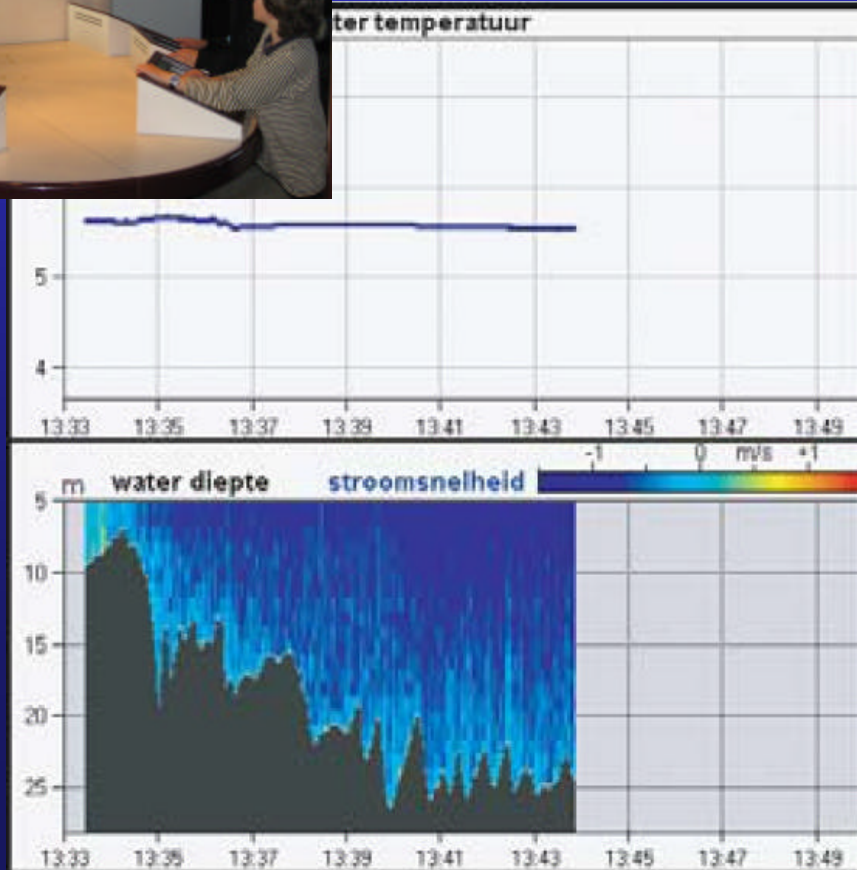




Parameters are displayed in the saloon of the ferry



Software developed by Royal NIOZ





Questions?



Dr. Wagemaker, 1934

De Texelse boot vaart uit. Den Helder