



SafetyNet
TECHNOLOGIES

New fishing technologies

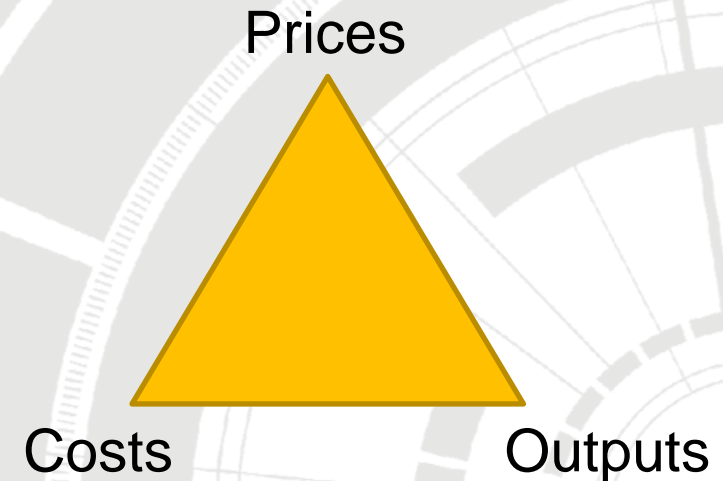
Tom Rossiter

Glasgow
6/4/2022

Commercial fishing – An economic activity

Significant drivers at play

- Net Zero CO2 targets by 2050
- Debilitating fuel prices at present



Precision fishing

- Catch what you need to catch as quickly and efficiently as possible.
- Marine environment is a complicated place & poorly understood
- Fishing is the only profession where the operator work completely blind
- New Technologies and practices needed to enable this.
 - Fishing gears / fishing methods / Light & Sound / Underwater Cameras
 - Cooperation
 - Big Data & AI
 - Propulsion / onboard power

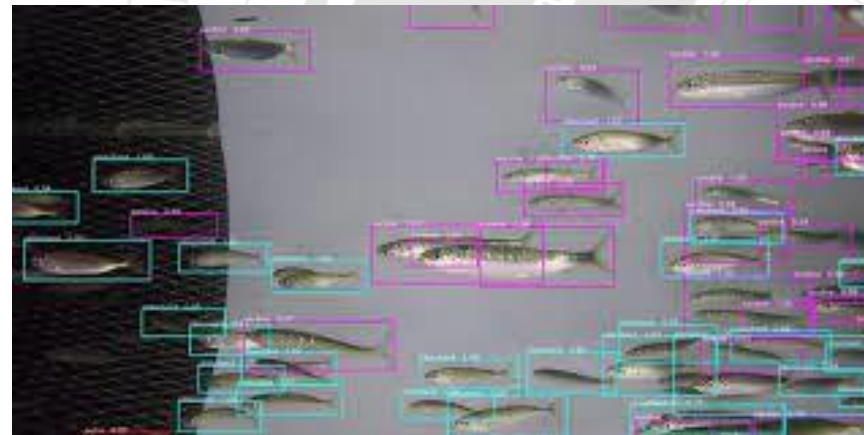
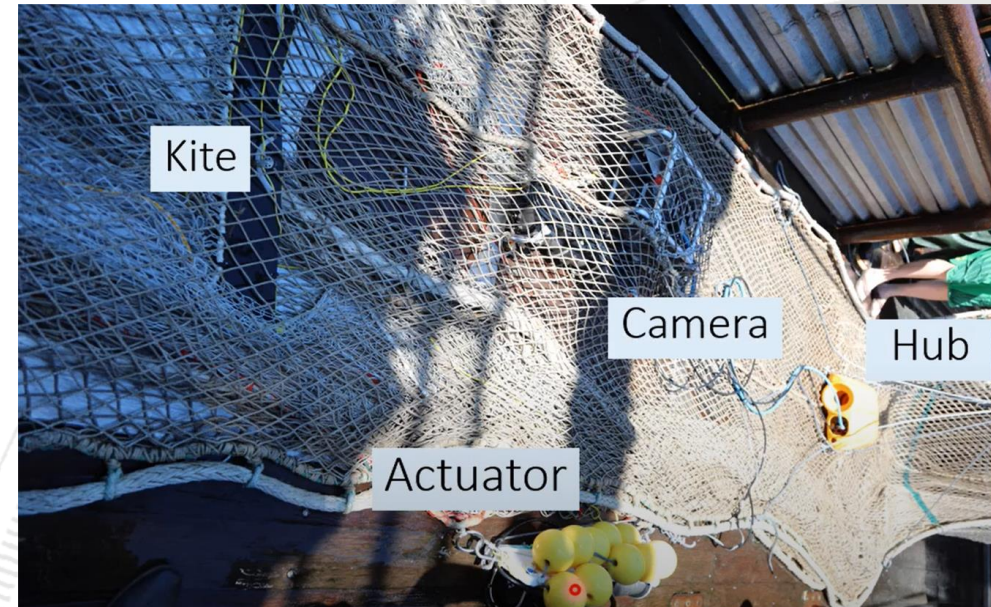
The gear

- Autoline / Seine net
- Fish traps
- Trawls without doors
- Autonomous fish finders
- Multi-rig



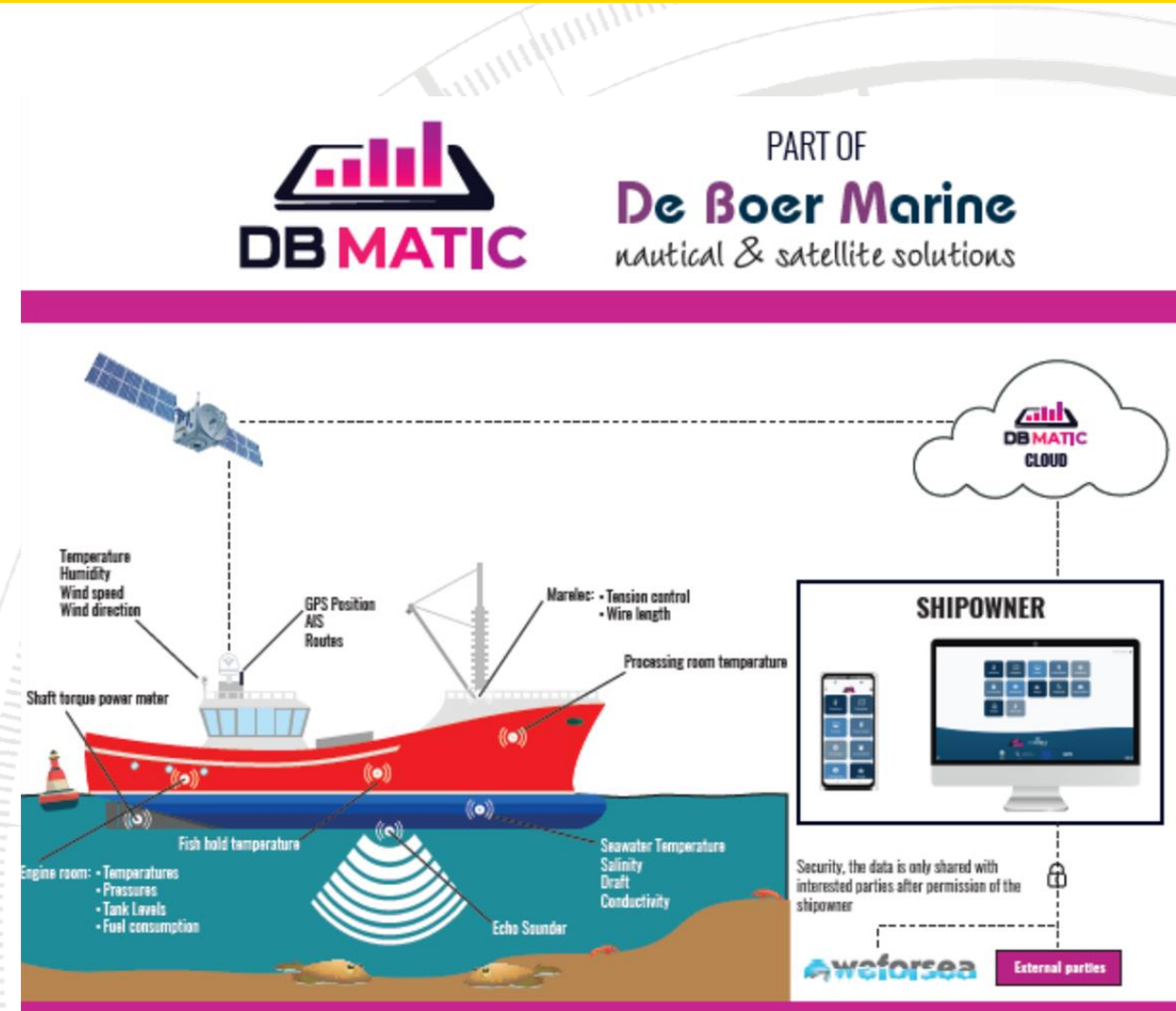
Underwater cameras

- 3rd wire systems
- GoPro
- Netsight
- SmartTrawl / Game of Trawls / ActSel



Cooperation

- BATMAP / Cleancatch
- BDMatic Concentrator & Big data
- Technology companies
- Fishery Science Partnership



Propulsion technologies

- Sail
- Hull Design
- Hull biofouling
- Alternative fuels

