

SHIPPING
TECHNOLOGY



**A journey towards
autonomous
shipping** June 25, 2020

About me & us..



Ollie Dapper

Founder Xomnia | Founder Shipping Technology

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Technical Lead at Shipping Technology | Data Scientist at Xomnia

Shipping Technology • Universiteit van Amsterdam

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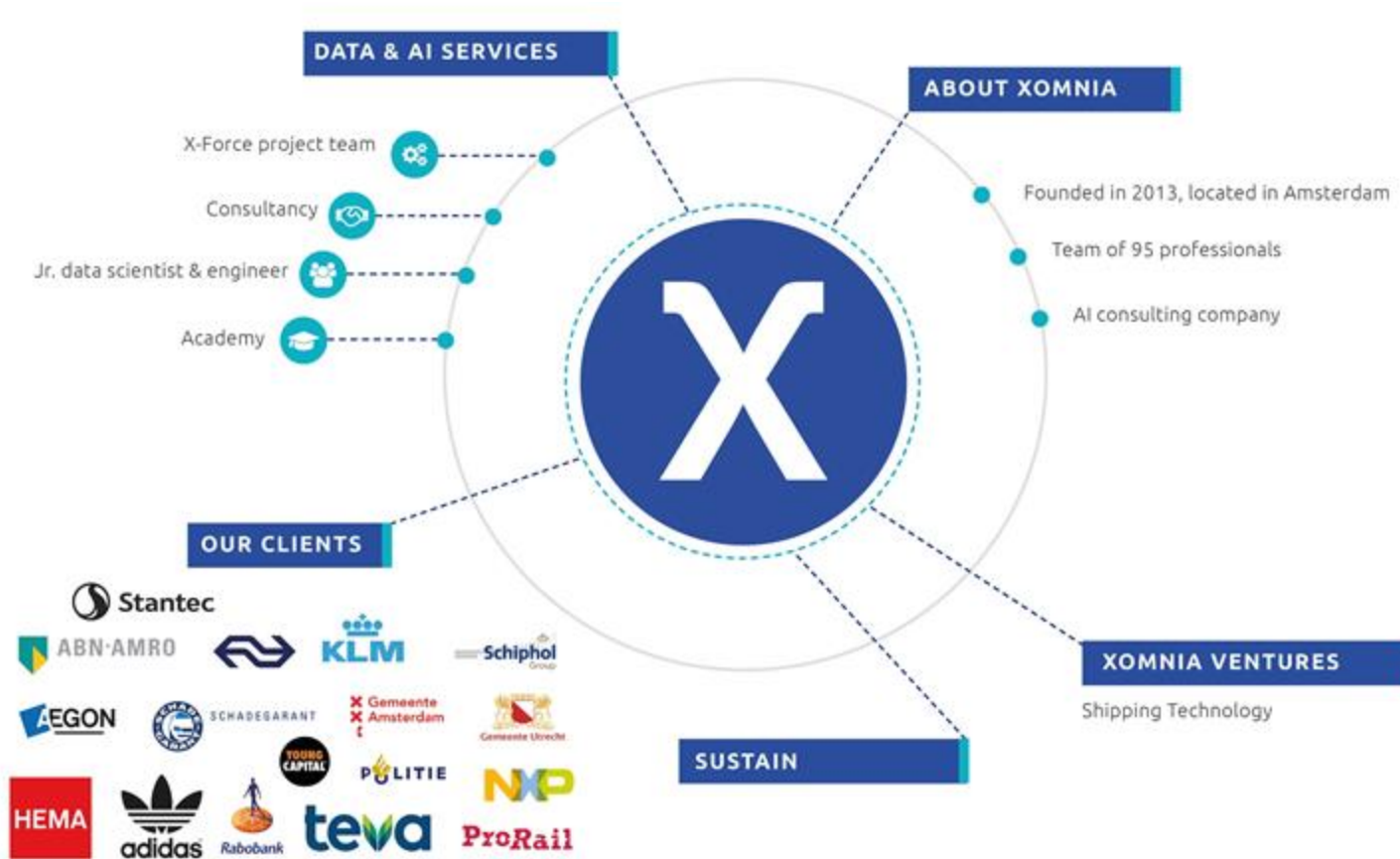
Mark Booster • 1ste

Accountmanager at Xomnia | Impact with AI
Xomnia • De Haagse Hogeschool / The Hague
University of Applied Sciences

Amsterdam en omgeving, Nederland •



About Xomnia









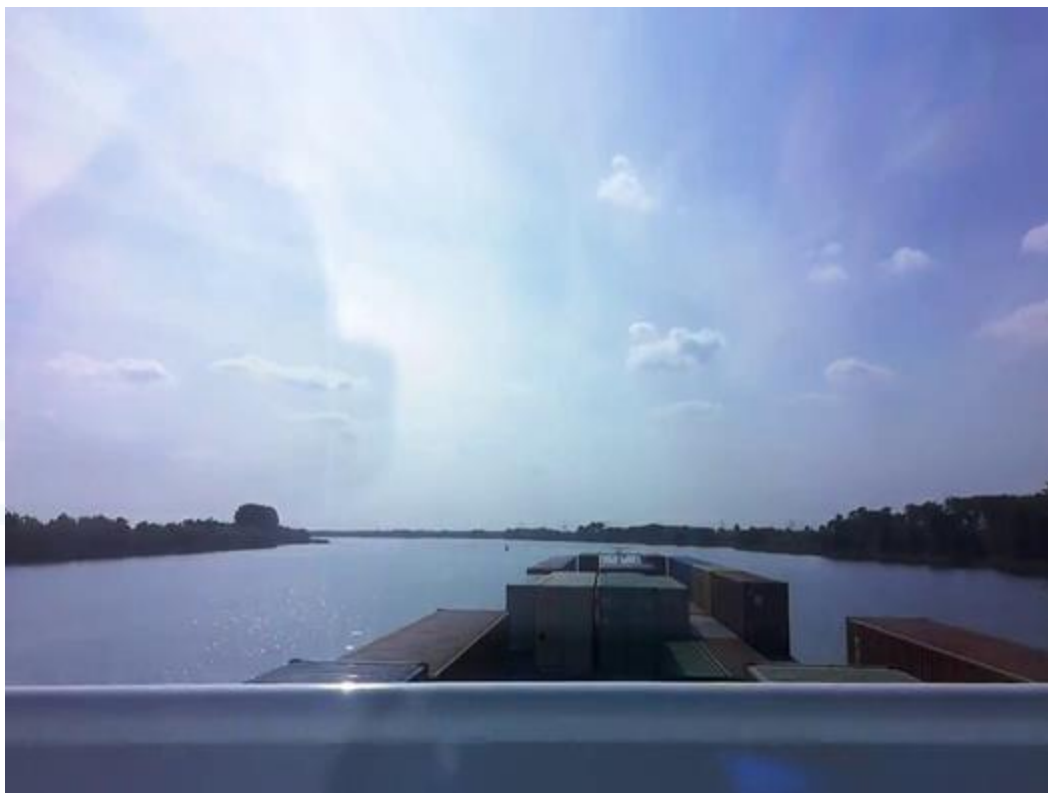
AVAILABLE DATA SOURCES FOR THE CAPTAIN





SHIPPING
TECHNOLOGY

AUTONOMOUS SHIPPING TECHNOLOGY IN A TIMELAPSE...



Shipping Technology

Kick-off event...



ACCESS YOUR DATA THE BLACK BOX PRO

A central platform
to gather data &
host smart
solutions





Data & Insights



Collision Detection Static



Collision Detection Dynamic



Autostowage

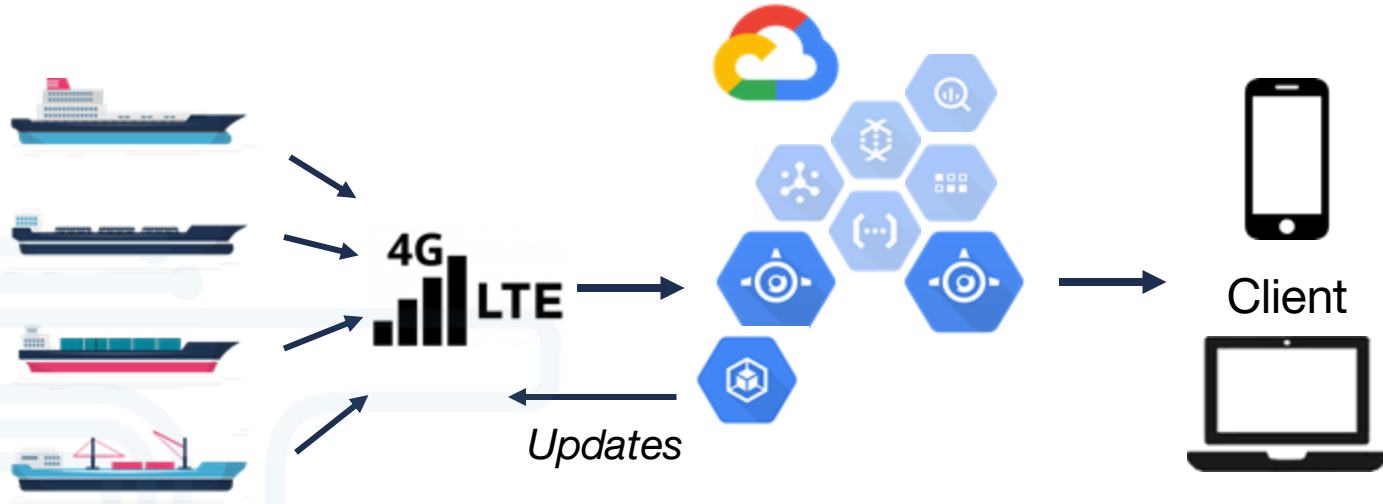


Semi-autonomous

WE WILL DEVELOP SMART SOLUTIONS ON THE BLACK BOX PRO

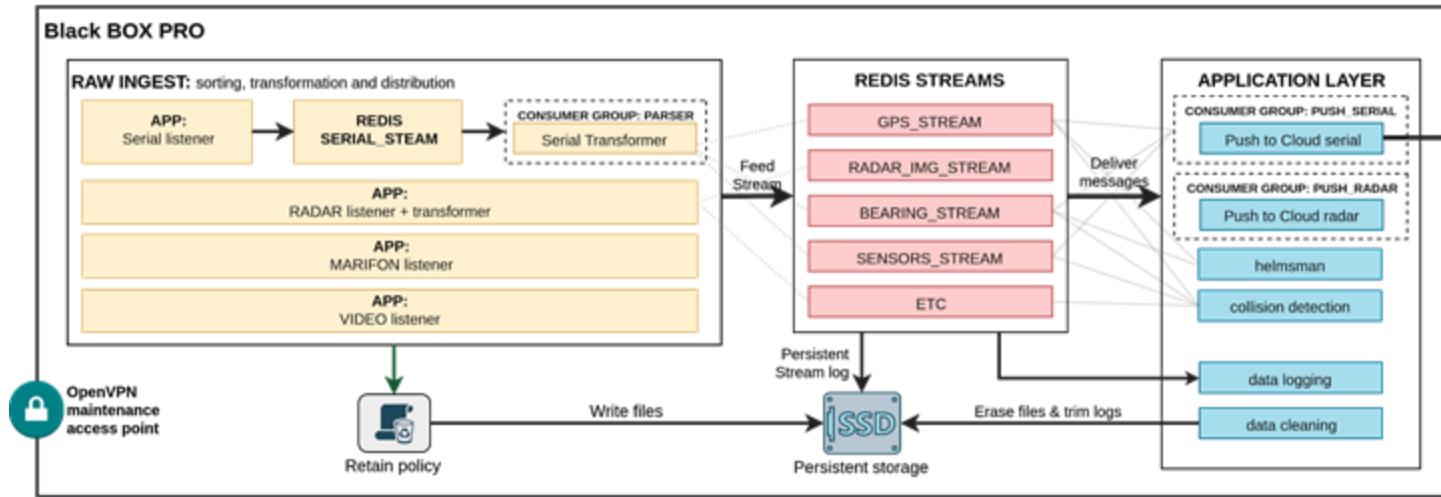


THE SYSTEM IS SIMPLE..

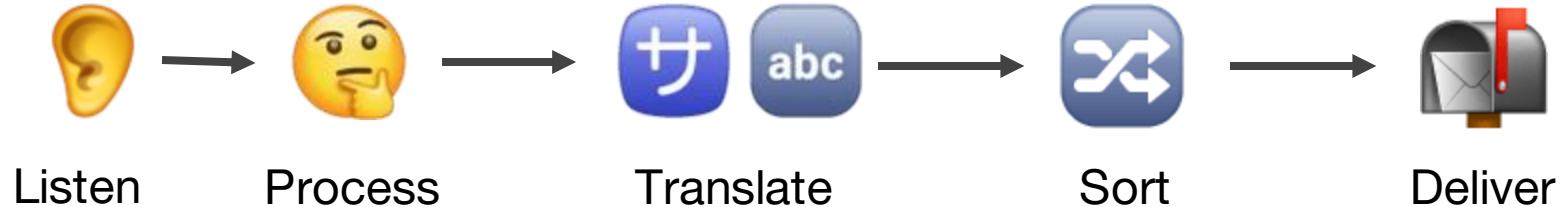


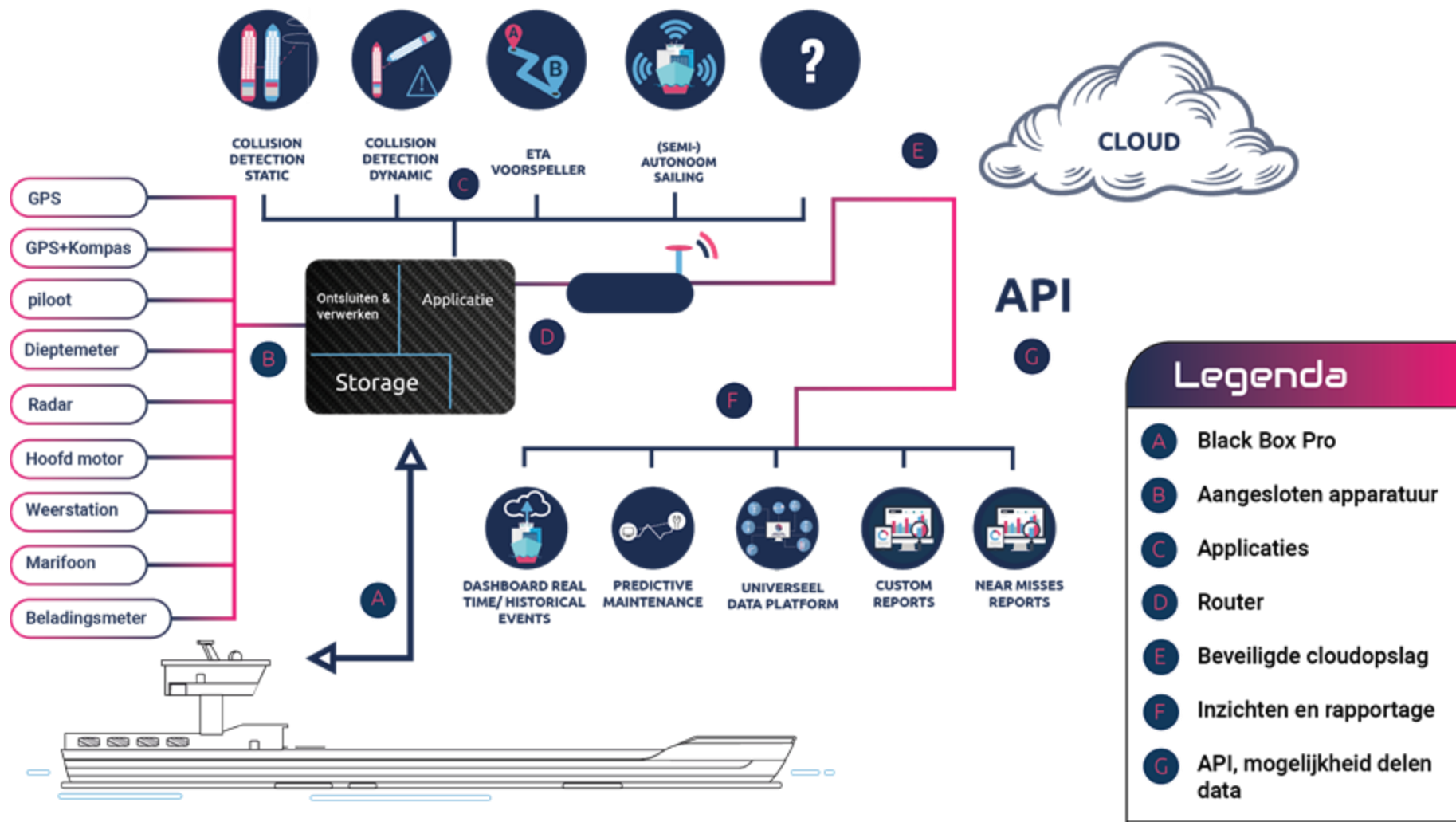
WELL, THE CONCEPT IS SIMPLE..



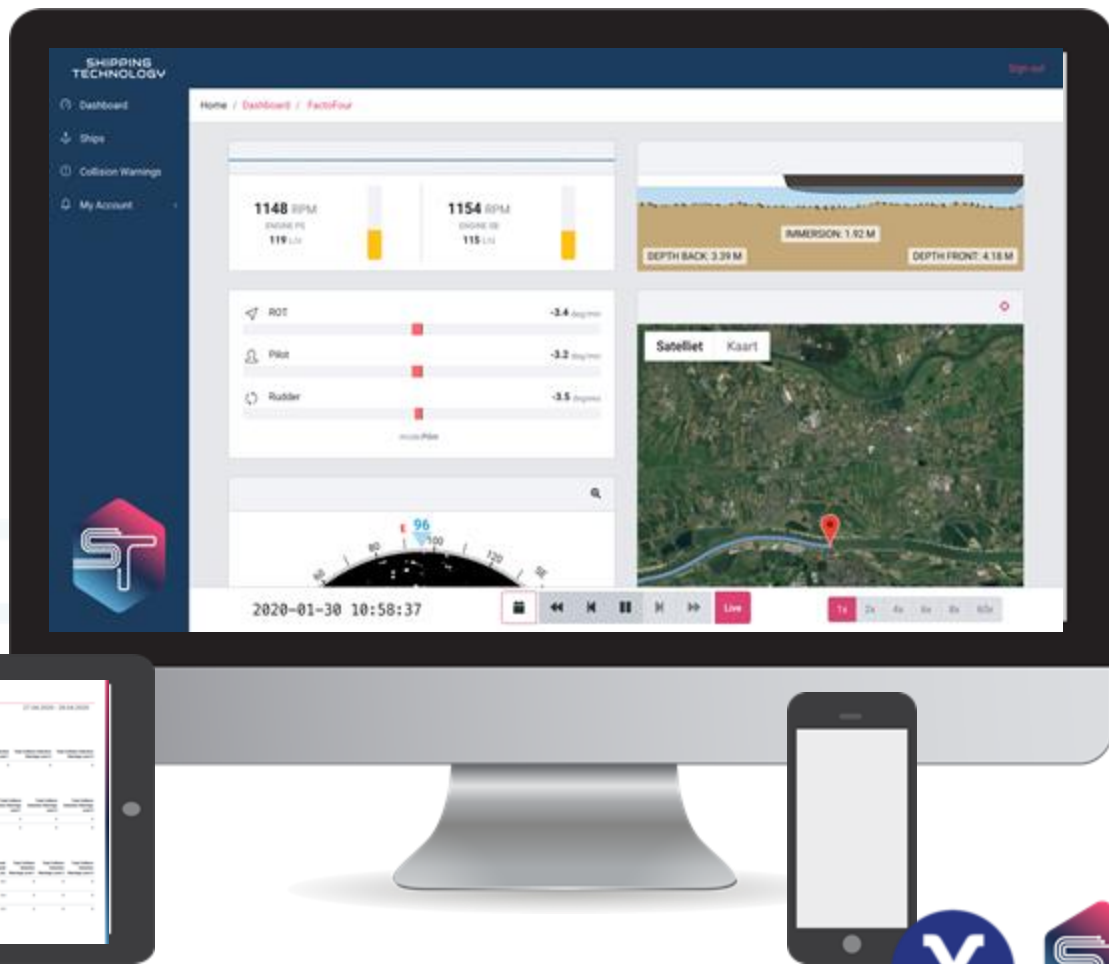


Architecture using WhatsApp emoji

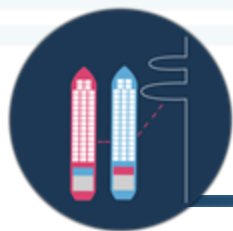
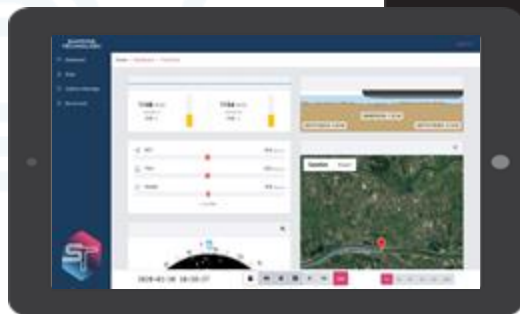




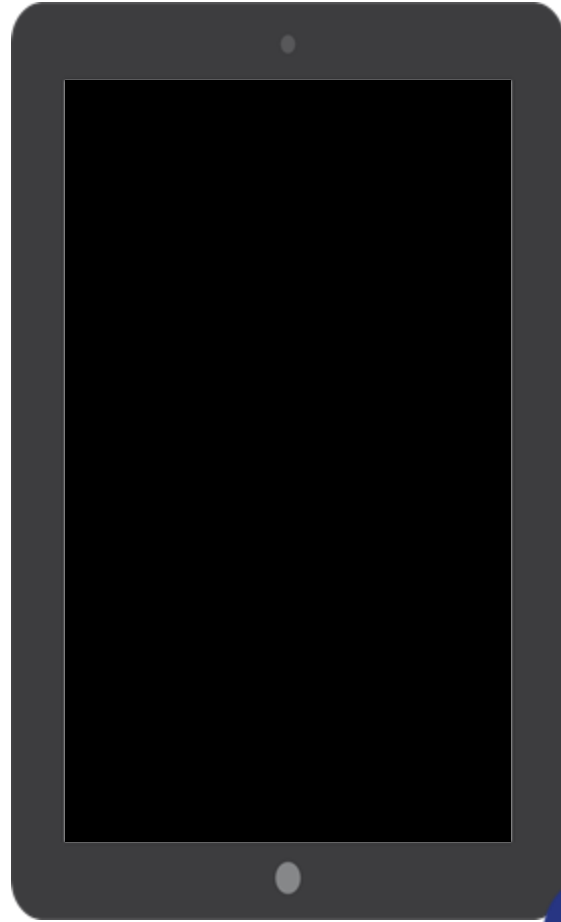
DASHBOARD REAL TIME/ HISTORICAL EVENTS



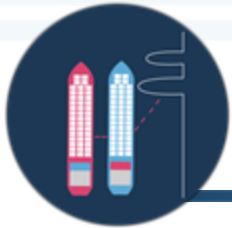
COLLISION DETECTION STATIC



COLLISION DETECTION DYNAMIC



COLLISION DETECTION REPORTING

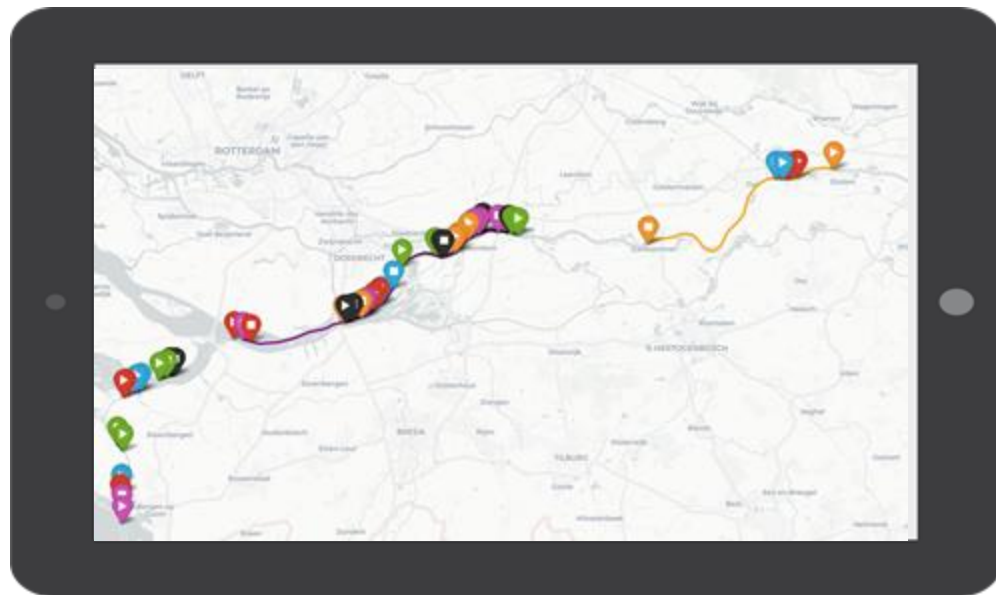


(SEMI-) AUTONOOM VAREN

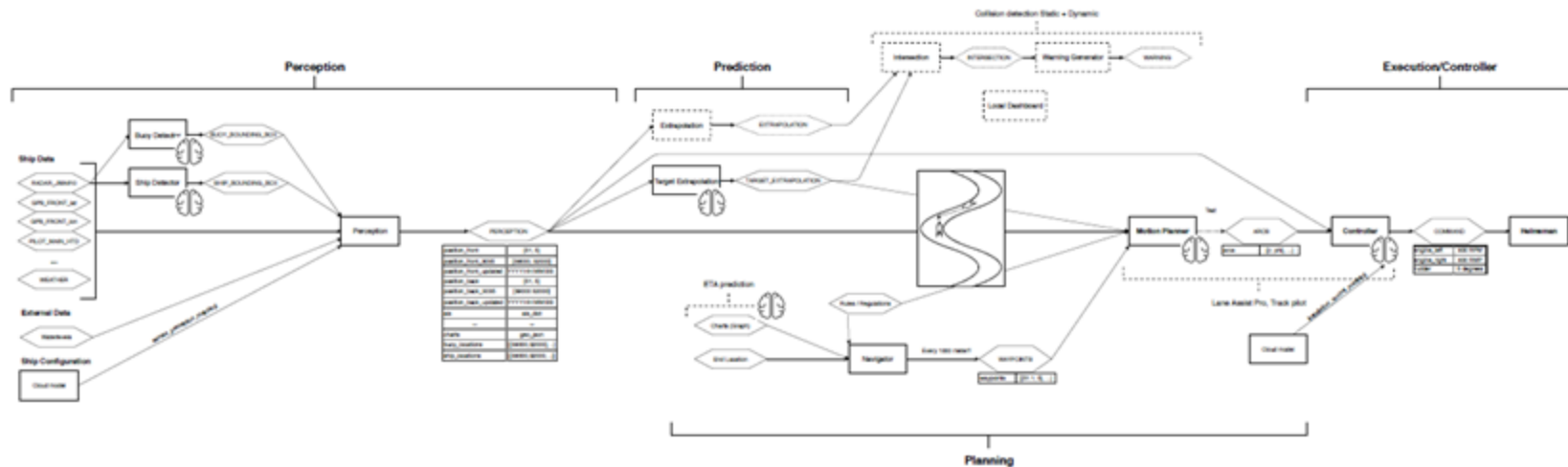
- Continue test vergunning BPR en RPR gebied (Waal) en Havengebied Rotterdam
- Testinfrastructuur geoptimaliseerd
- Testen dag en nacht
- Vergunning langere periode

April 2020:

- 25 geregistreerde testen
- 7,5 uur getest
- 117,5 km afgelegd tijdens testen
- Wateren waarop getest:
 - *Waal*
 - *Boven Merwede*
 - *Nieuwe Merwede*
 - *Hollands diep*
 - *Volkerak*
 - *Schelde-Rijnverbinding*



(SEMI-) AUTONOM VAREN



OUR GOAL IS TO HELP THE SHIPPING INDUSTRY WITH TOPICS LIKE



DATA & INNOVATION



SAFETY



DIGITALISATION



CREW



SEMI-AUTONOMOUS



IN CLOSE COOPERATION WITH **THE MARKET**



Rijkswaterstaat



ALPHATRON
Marine

Xemnia





THANK YOU!



DARE TO DISCOVER



IMPACT WITH AI

