



SHIPPING
TECHNOLOGY

03.10.2019

Who are we?

Data savvy



AI and Big Data
capabilities



Field specialists

Readiness to
innovate

Slimmer • Veiliger • Duurzamer

SMASH!

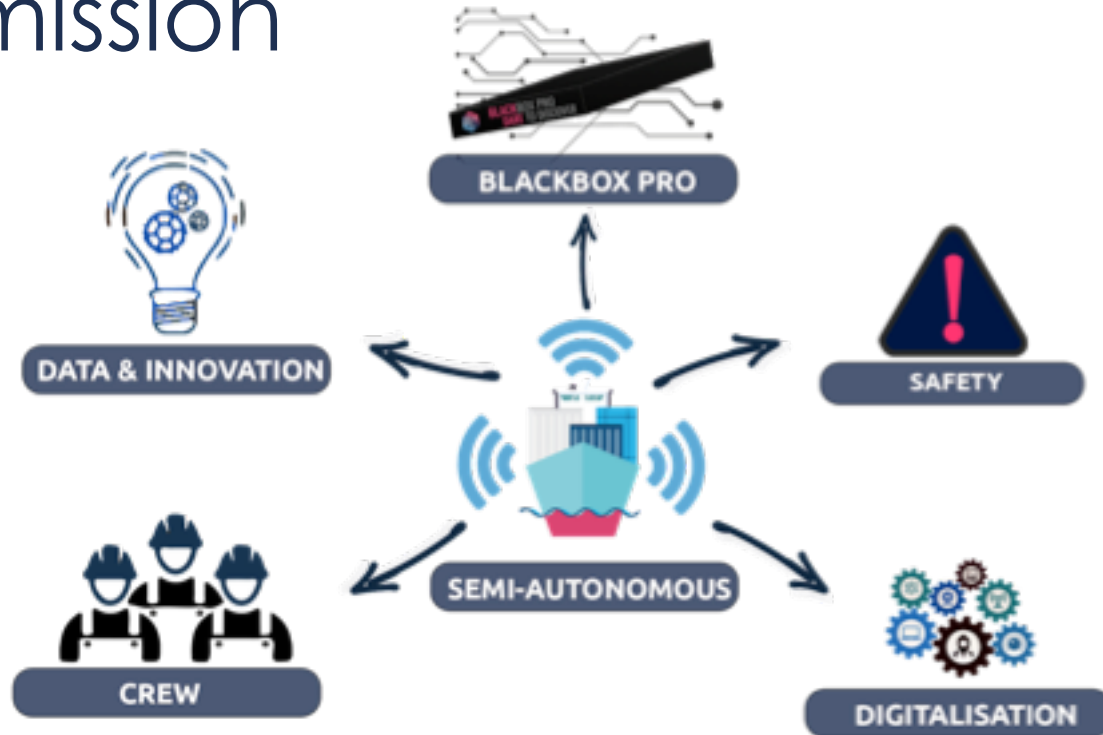








Our mission









Who are we?

Data savvy



AI and Big Data
capabilities



Field specialists



Readiness to
innovate













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Machine Learning in 1 slide



MODEL



MODEL

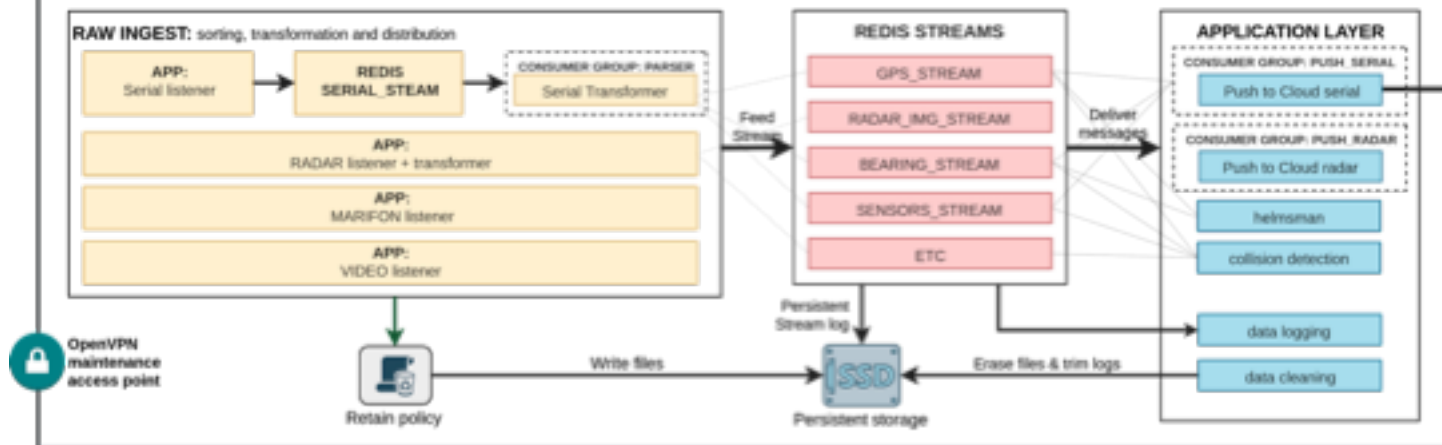


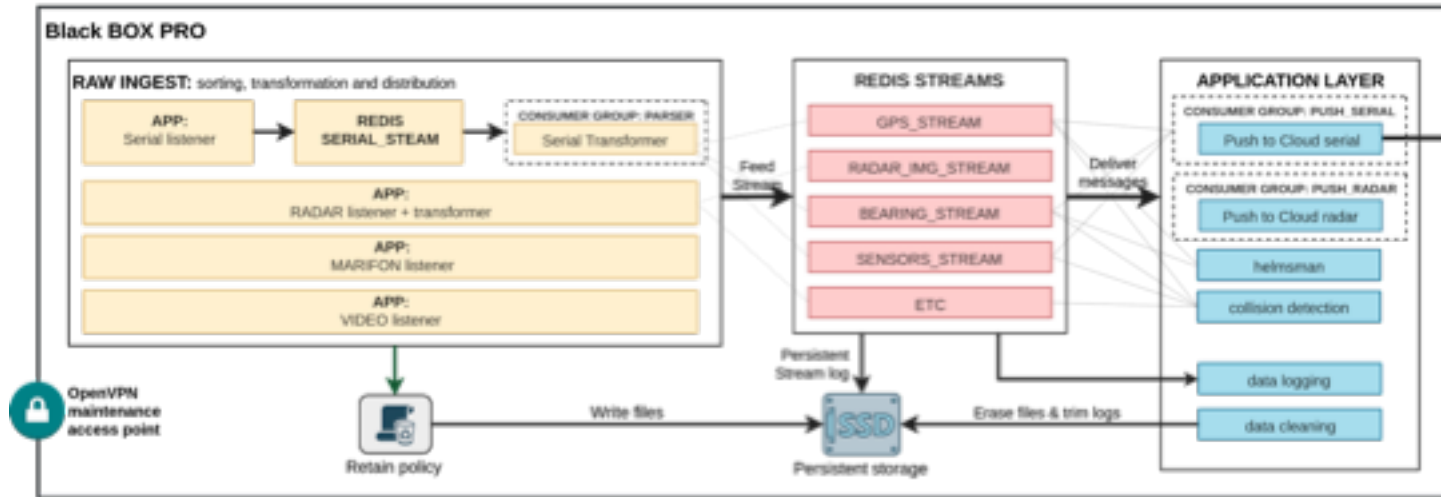


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Architecture

Black BOX PRO





Architecture met WhatsApp emoji



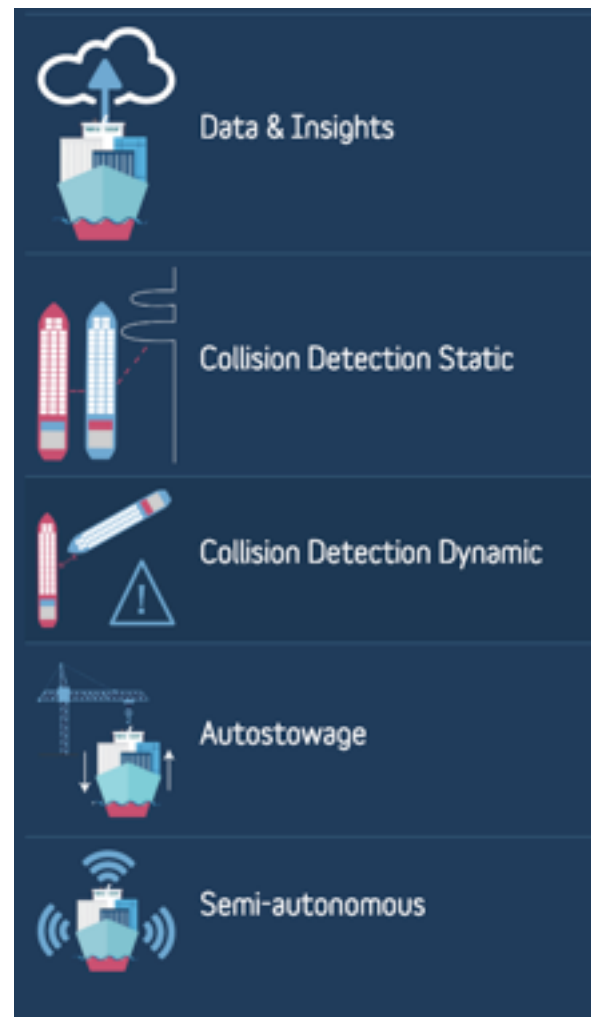


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Products

Data-driven Products

- Data & Insights
- Collision Detection Static
- Collision Detection Dynamic
- Auto Stowage
- Semi-Autonomous





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Dashboard

<p>ANNA KATHARINA [SCVLLA AB]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>COLORADO [WJBAART SHIPPING]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>ENDURANCE II [DURASHIP SARL]</p> <p>View</p> <p>Blackbox installed Active subscription</p>
<p>ESPERANTO [ESPERANTO INLANDSHIPPING]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>EXPERIENCE [MST EXPERIENCE B.V.]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>FACTOFOUR [SHIPPING FACTORY]</p> <p>View</p> <p>Blackbox installed Active subscription</p>
<p>FACTOFOUR DEMO [DEMO KLANT]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>FACTOTUM [SHIPPING FACTORY]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>ORANJE NASSAU II [OUDCOMB AB]</p> <p>View</p> <p>Blackbox installed Active subscription</p>
<p>SALUTE [SHIPPING FACTORY]</p> <p>View</p> <p>No blackbox installed No active subscription</p>	<p>SEMPER FI [SCHEEPVAARTONDERNEMING CARPE DIEM]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>SENSATION [LEENINGA SHIPPING B.V.]</p> <p>View</p> <p>Blackbox installed Active subscription</p>
<p>TERRA 2 [S.V.B. TERRA B.V.]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	<p>WILLIAM WORDSWORTH [SCVLLA AB]</p> <p>View</p> <p>Blackbox installed Active subscription</p>	

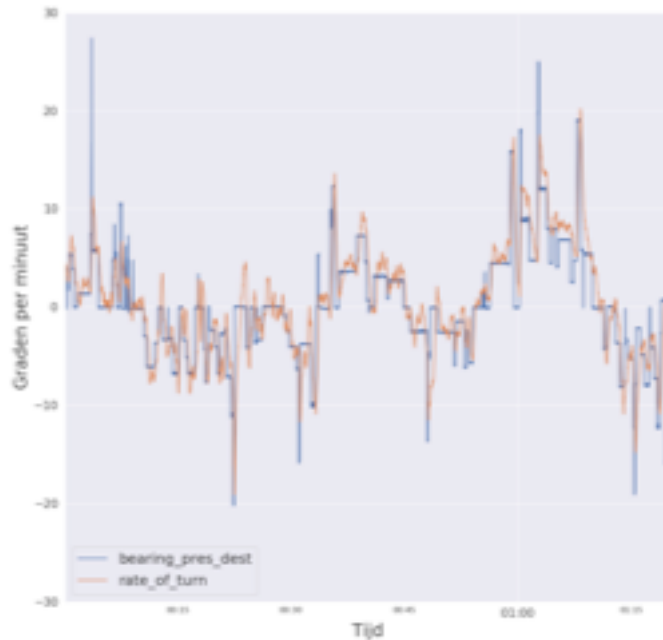


Predictive maintenance

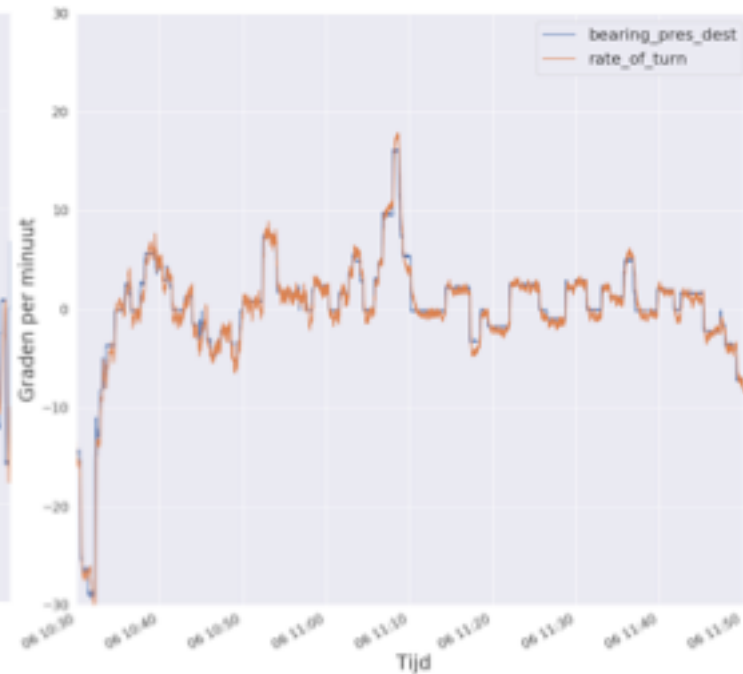


Predictive maintenance

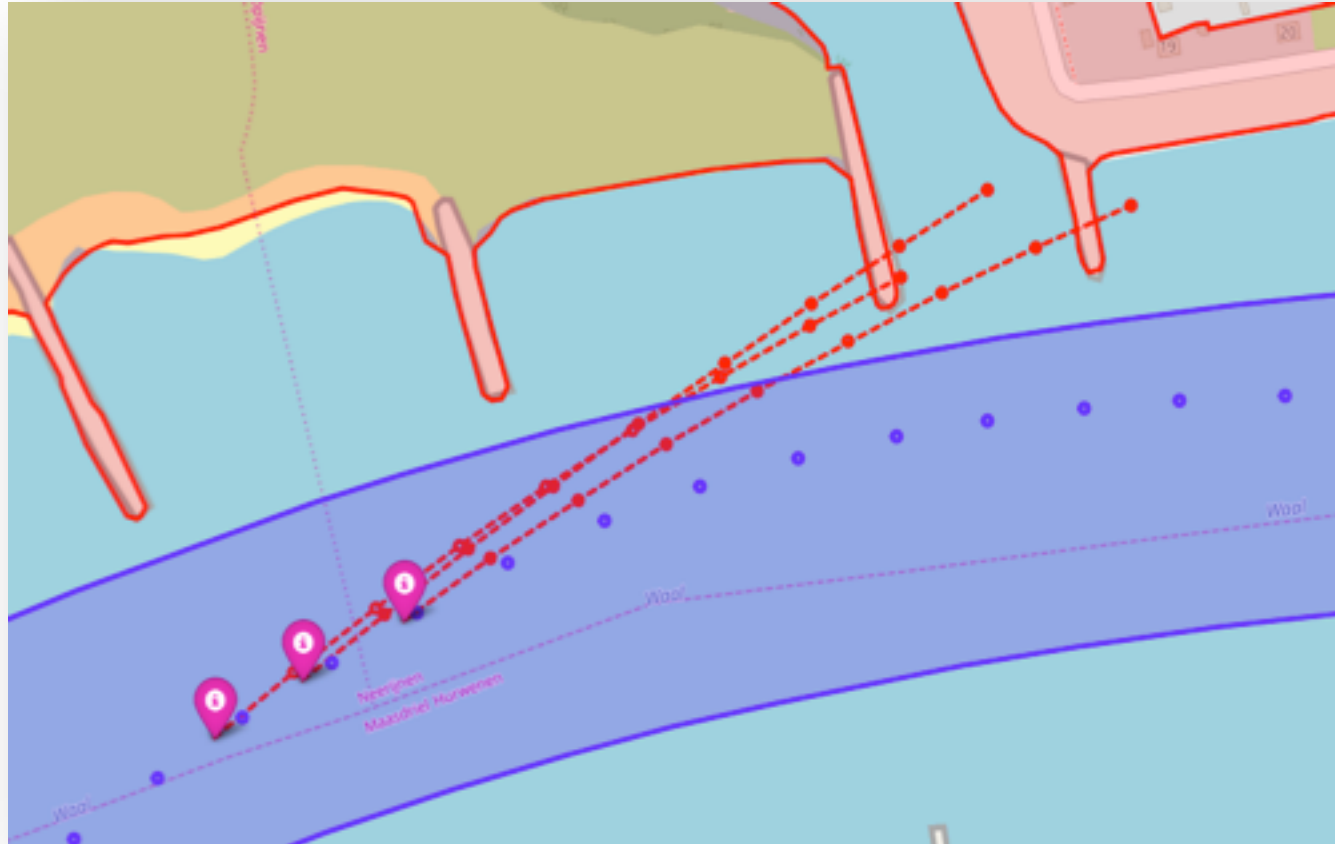
Before



After



COLLISION DETECTION STATIC



- Dashboard
- Ships
- My Account
- ADMINISTRATION
 - Manage Users
 - Blackboxes
 - Subscriptions
 - Health Monitor
 - Collision Warnings

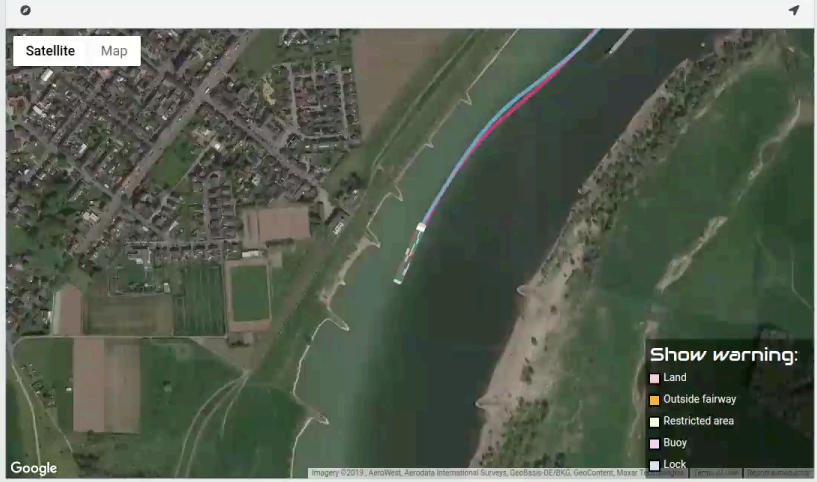


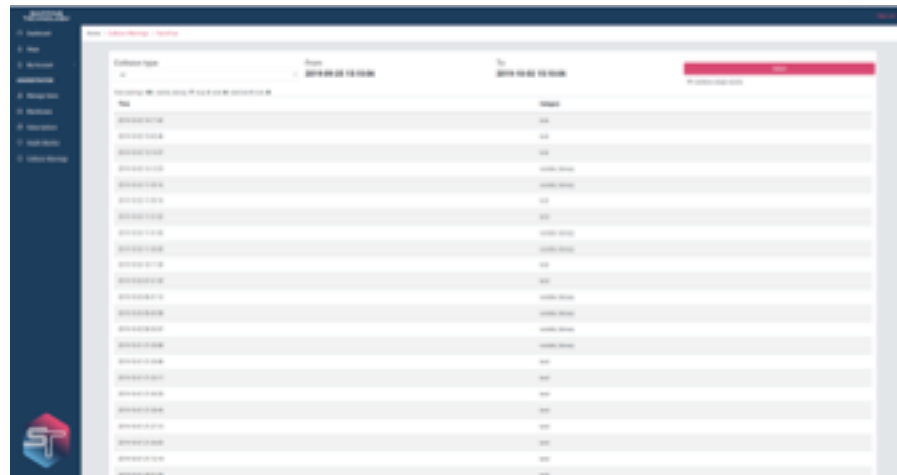
1135 RPM
ENGINE PS
121 LRU

1132 RPM
ENGINE SB
112 LRU

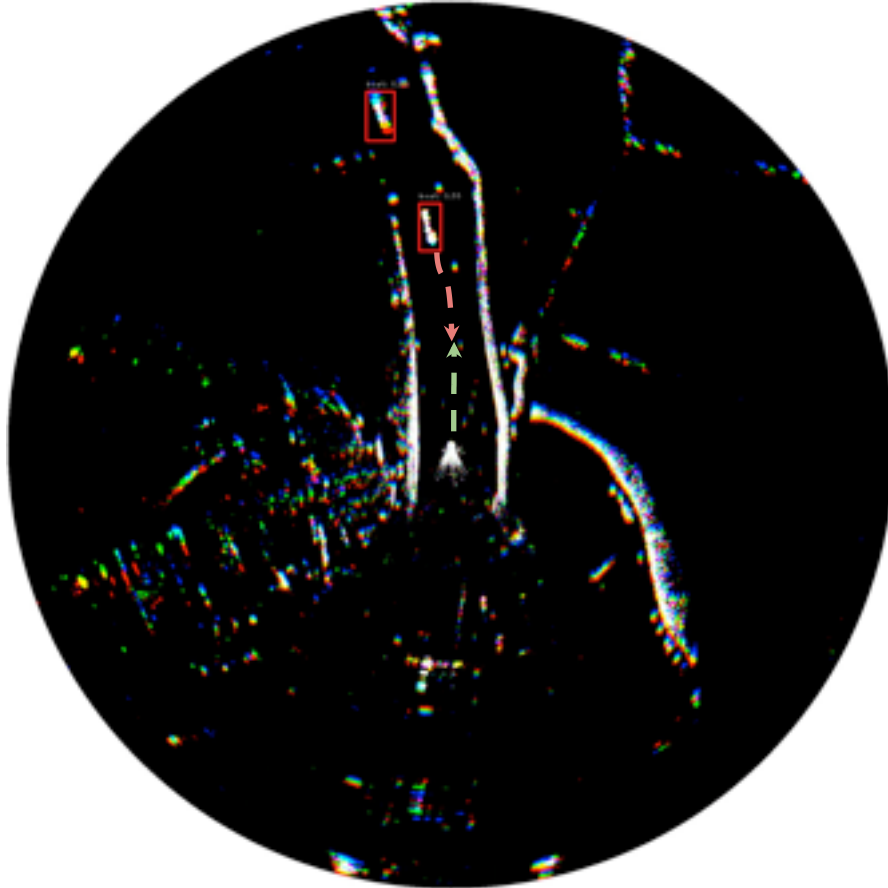
ROT: Realised
-6.0 deg/min

ROT: Set
-5.5 deg/min

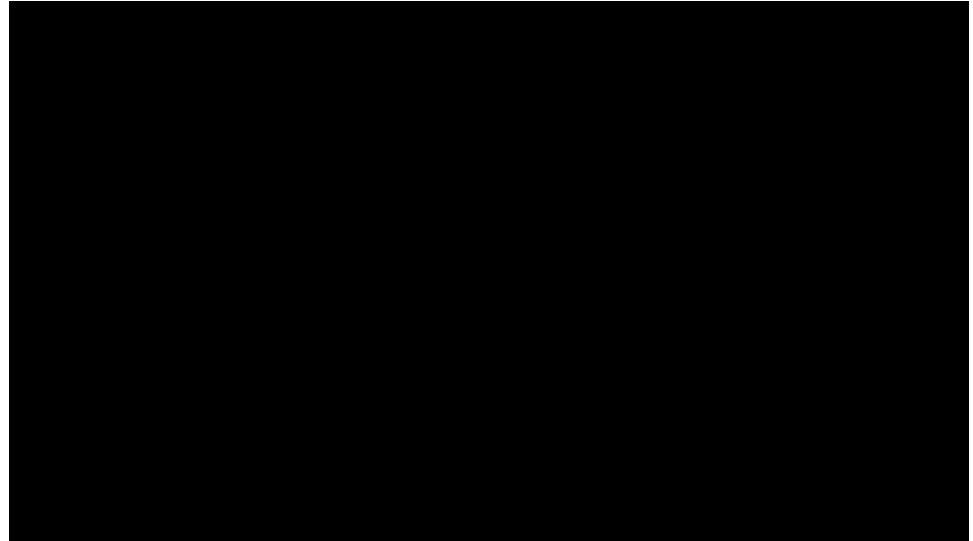
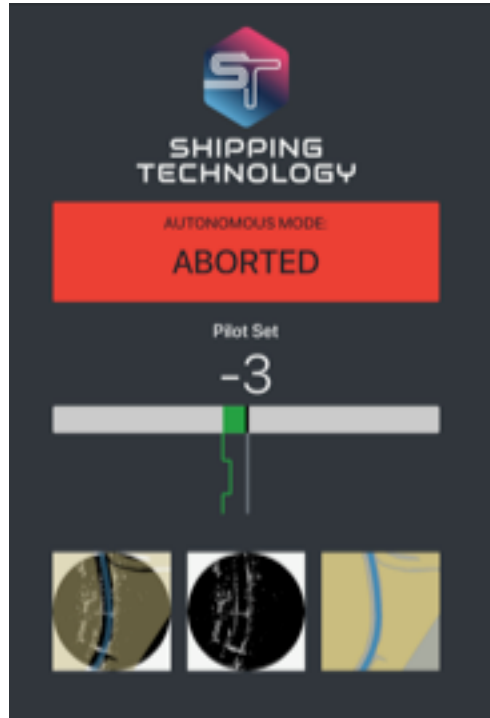




COLLISION DETECTION DYNAMIC



First official Autonomous Test







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Thank you!