NAPA SAFETY SUMMIT 2026

SAFETY · EFFICIENCY · AUTOMATION

NAPA AI Roadmap

Presenters

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Agenda

Introduction

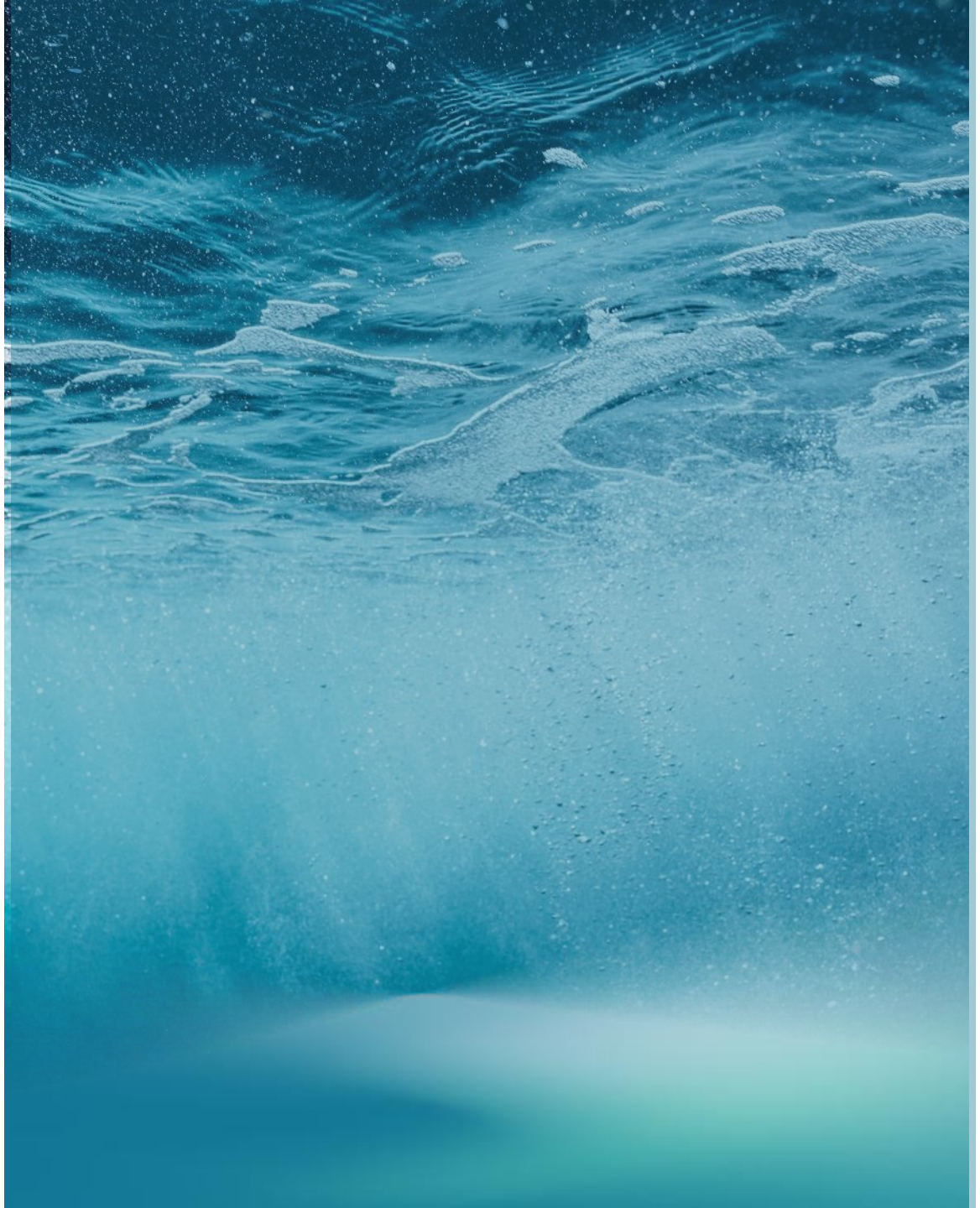
- General about utilizing AI at NAPA

Selected demos

- NAPA Fleet Intelligence Permit to Work module
- NAPA Fleet Intelligence data analyzer (under development)

Roadmap

- What is coming next
- What is under evaluations



01

AI at NAPA

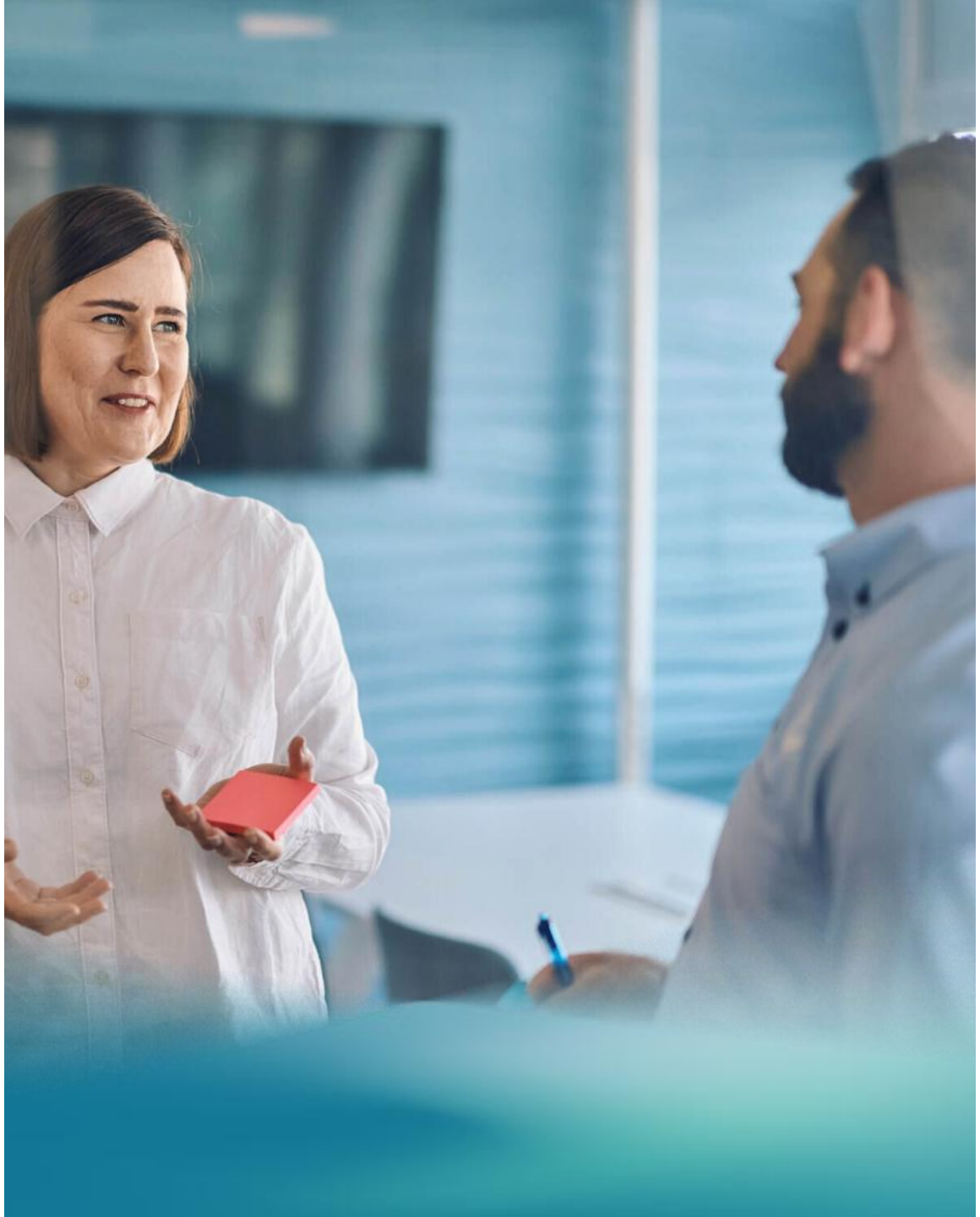
How NAPA is approaching the implementation of AI?

01.

Development of the in-house tools and processes.

- AI-assisted software development, configuration management, service desk
- These are relatively fast to implement and can be easily refined and iterated.

→ The customers will see the impact indirectly in terms of faster development, better customer service and overall better quality of NAPA's services



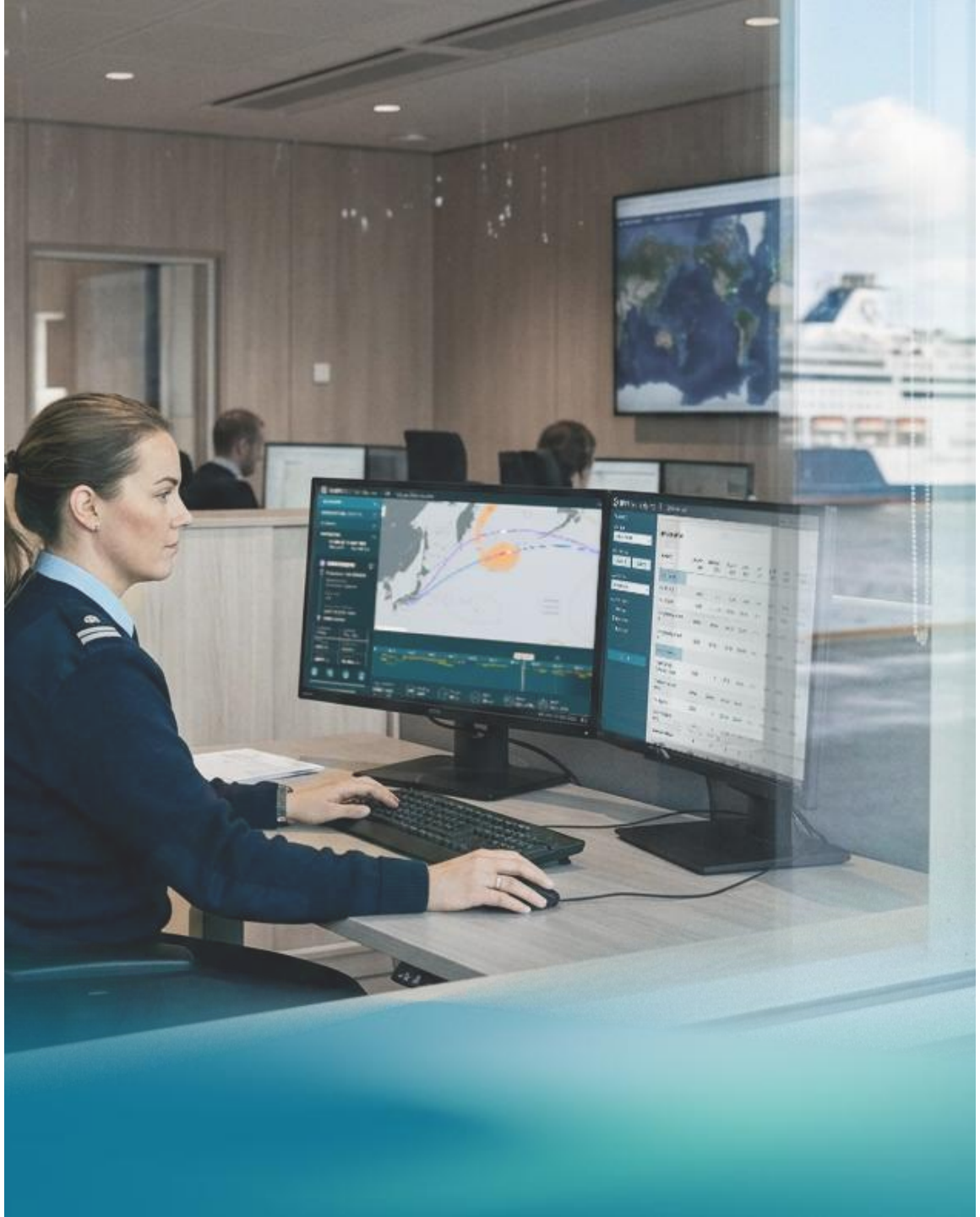
How NAPA is approaching the implementation of AI?

02.

Value adding features into the products.

- Aim: Help users to complete tasks faster and with less effort, by avoiding mistakes and improving quality and safety of operations
- These are slower to implement and may generate running costs
- Maintenance in ship environment is more complex than on shoreside
- Implementation on cloud is easier, faster and cheaper.

→The features must be selected carefully, based on evaluated user need.
→ Focus is first in shoreside (cloud) use cases, next onboard.



02

Demo of selected highlights

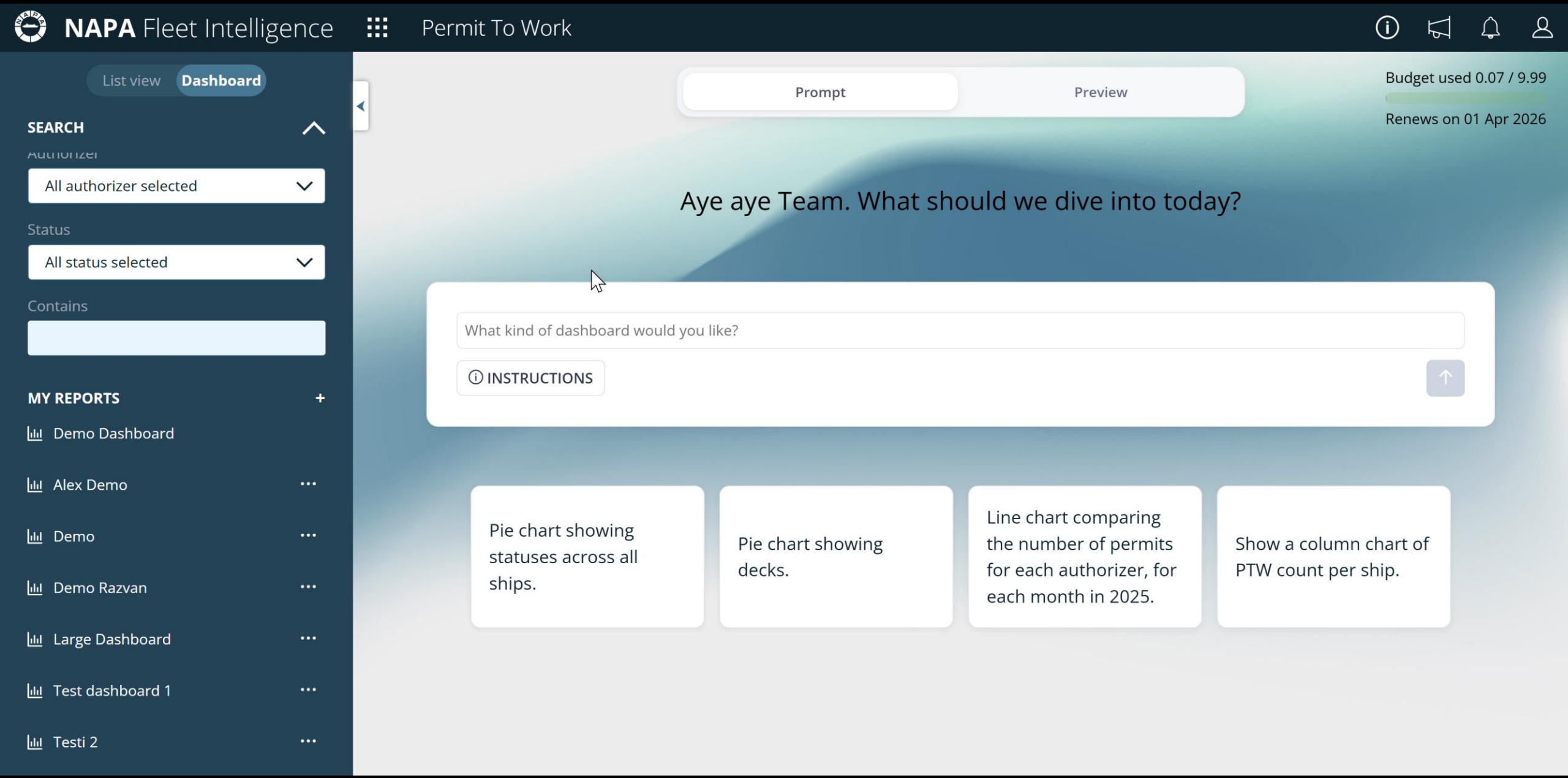
Live Demos

NAPA Fleet Intelligence Permit to Work module

NAPA Fleet Intelligence data analyzer
(under development)

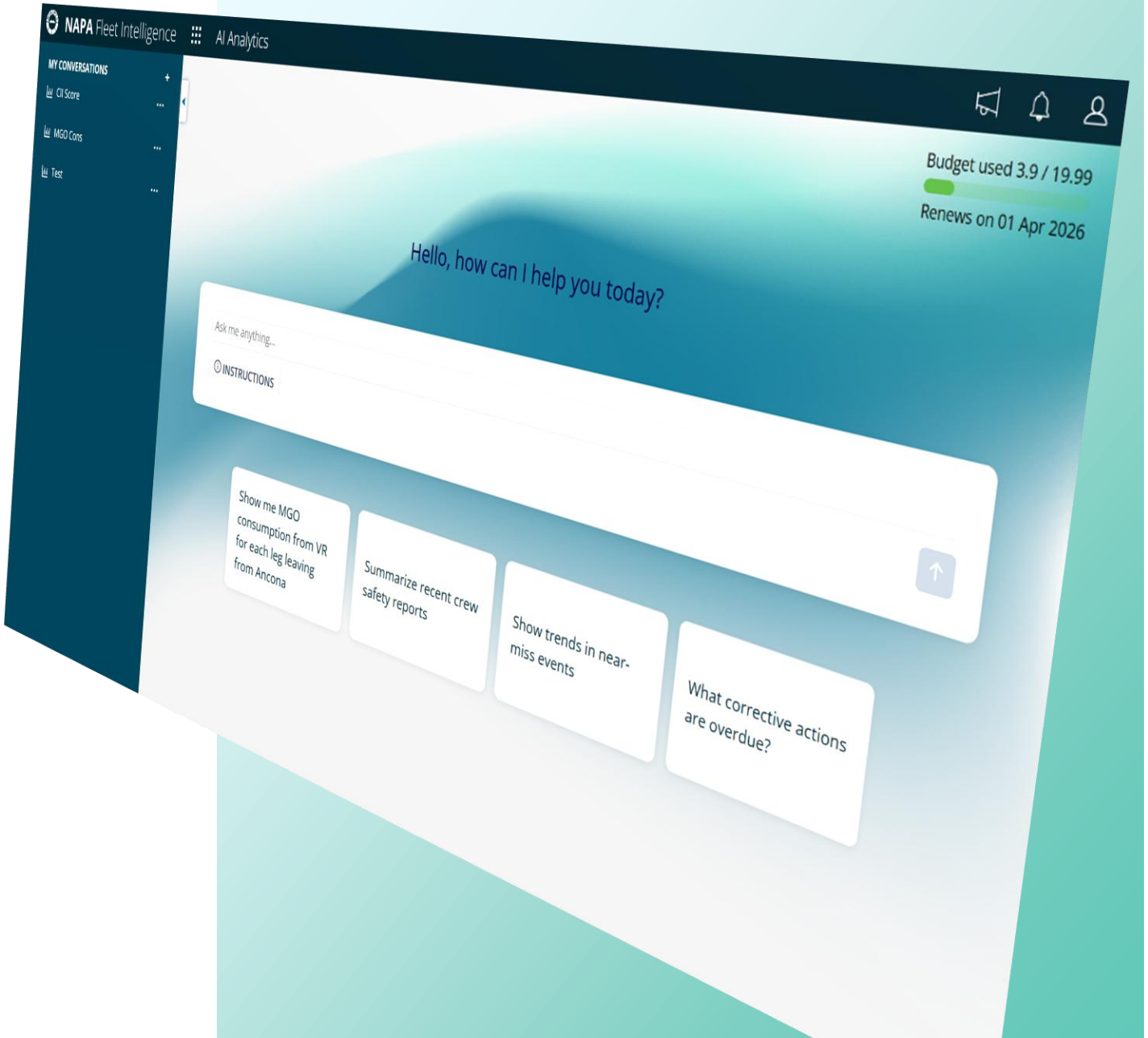
Permit to Work AI Graph builder

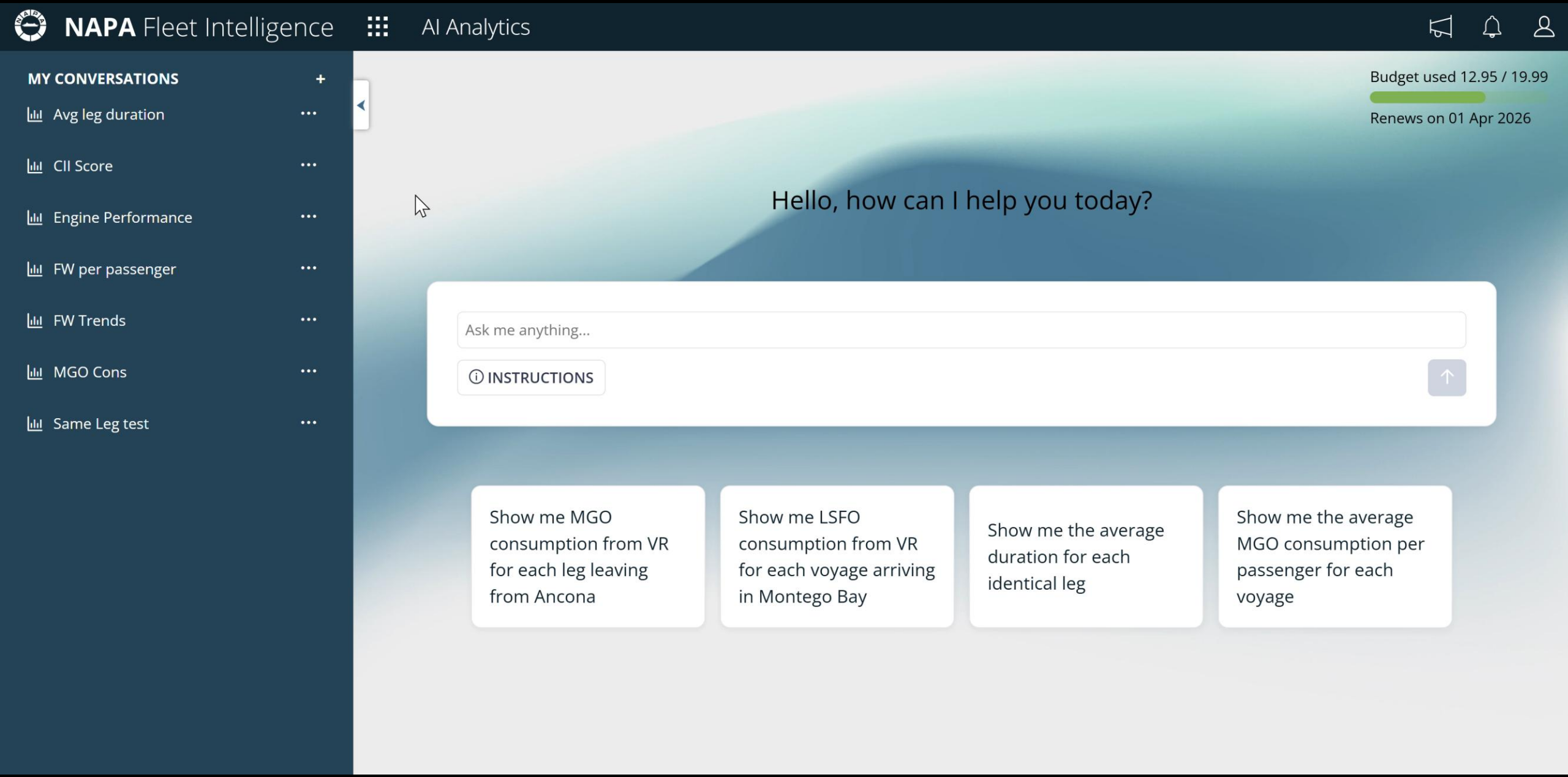
- Create reusable dashboards with AI, or add charts individually
- Claude agent generates reusable blueprints for any PTW data
- Filter data from the sidebar and charts update instantly
- Save & load dashboards on demand without regeneration
- Create multiple dashboards and cycle between them
- Edit chart visuals (colors, design); replace charts to change logic


NAPA Fleet Intelligence
Permit To Work
List view
Dashboard
SEARCH
Authorizer
All authorizer selected
Status
All status selected
Contains
MY REPORTS
Demo Dashboard
Alex Demo
Demo
Demo Razvan
Large Dashboard
Test dashboard 1
Testi 2
Prompt
Preview
Budget used 0.07 / 9.99
Renews on 01 Apr 2026
Aye aye Team. What should we dive into today?
What kind of dashboard would you like?
INSTRUCTIONS
Pie chart showing statuses across all ships.
Pie chart showing decks.
Line chart comparing the number of permits for each authorizer, for each month in 2025.
Show a column chart of PTW count per ship.

Fleet Intelligence AI Analytics

- Built on AWS Bedrock using Claude as the language model
- Users ask questions in natural language
- System identifies relevant measures based on the request
- Measure preferences configurable per tenant (e.g. automation vs. VR)
- Fetches requested measures; suggests related ones for deeper insights
- Creates an analysis plan for user confirmation before execution
- Runs Python analysis on real data and returns AI-interpreted results
- Generate AI-recommended charts based on analysis output
- Supports follow-ups, refinements, and interpretation within one session




NAPA Fleet Intelligence
AI Analytics
MY CONVERSATIONS
Avg leg duration
CII Score
Engine Performance
FW per passenger
FW Trends
MGO Cons
Same Leg test
Budget used 12.95 / 19.99
Renews on 01 Apr 2026
Hello, how can I help you today?
Ask me anything...
INSTRUCTIONS
Show me MGO consumption from VR for each leg leaving from Ancona
Show me LSFO consumption from VR for each voyage arriving in Montego Bay
Show me the average duration for each identical leg
Show me the average MGO consumption per passenger for each voyage

Fleet Intelligence AI Analytics

- Work has started to use AI to analyze **Stability data.**
- Same approach to AI as with the Automation and Voyage report data analyzes.

- Will be co-develop together with clients iteratively. Let us know if you are interested to be in the loop.

03

Roadmap

Roadmap

SHORESIDE

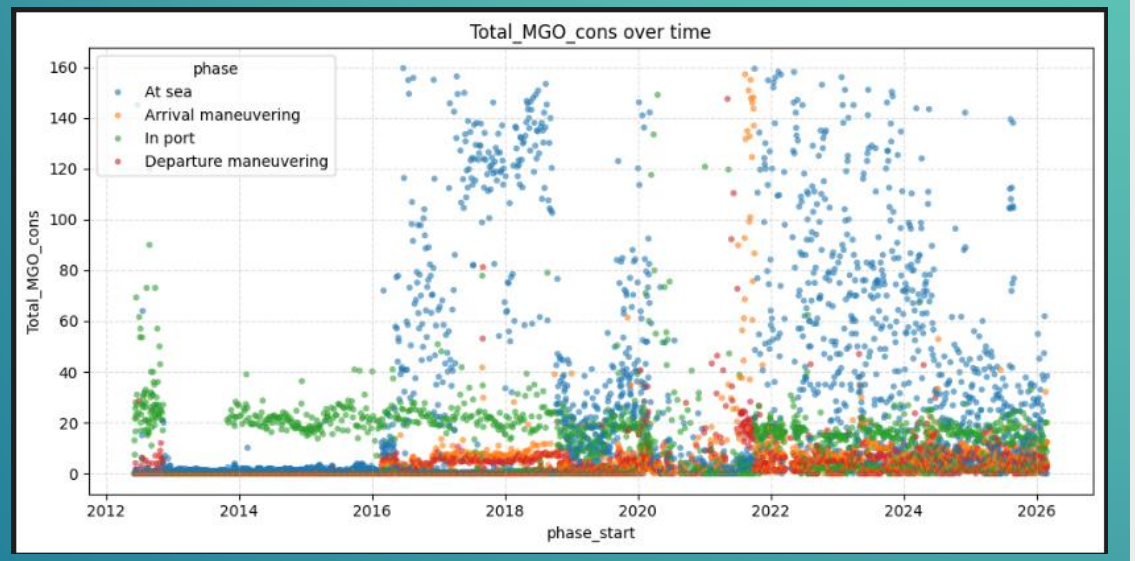
- AI-powered Customer Service process
- AI data analyzer integrated to NAPA Fleet Intelligence
- Anomality detection for NAPA Logbook and NAPA Voyage Report data (phase I)

ONBOARD

- Anomality detection for NAPA Logbook, Permit to Work and NAPA Voyage Reporting data (phase II)
- AI-assisted cargo loading in NAPA Stability
- Speech recognition for NAPA Checklist / NAPA Logbook use (PoC with one customer ongoing)

NAPA Voyage Reporting

Building AI model for VR data

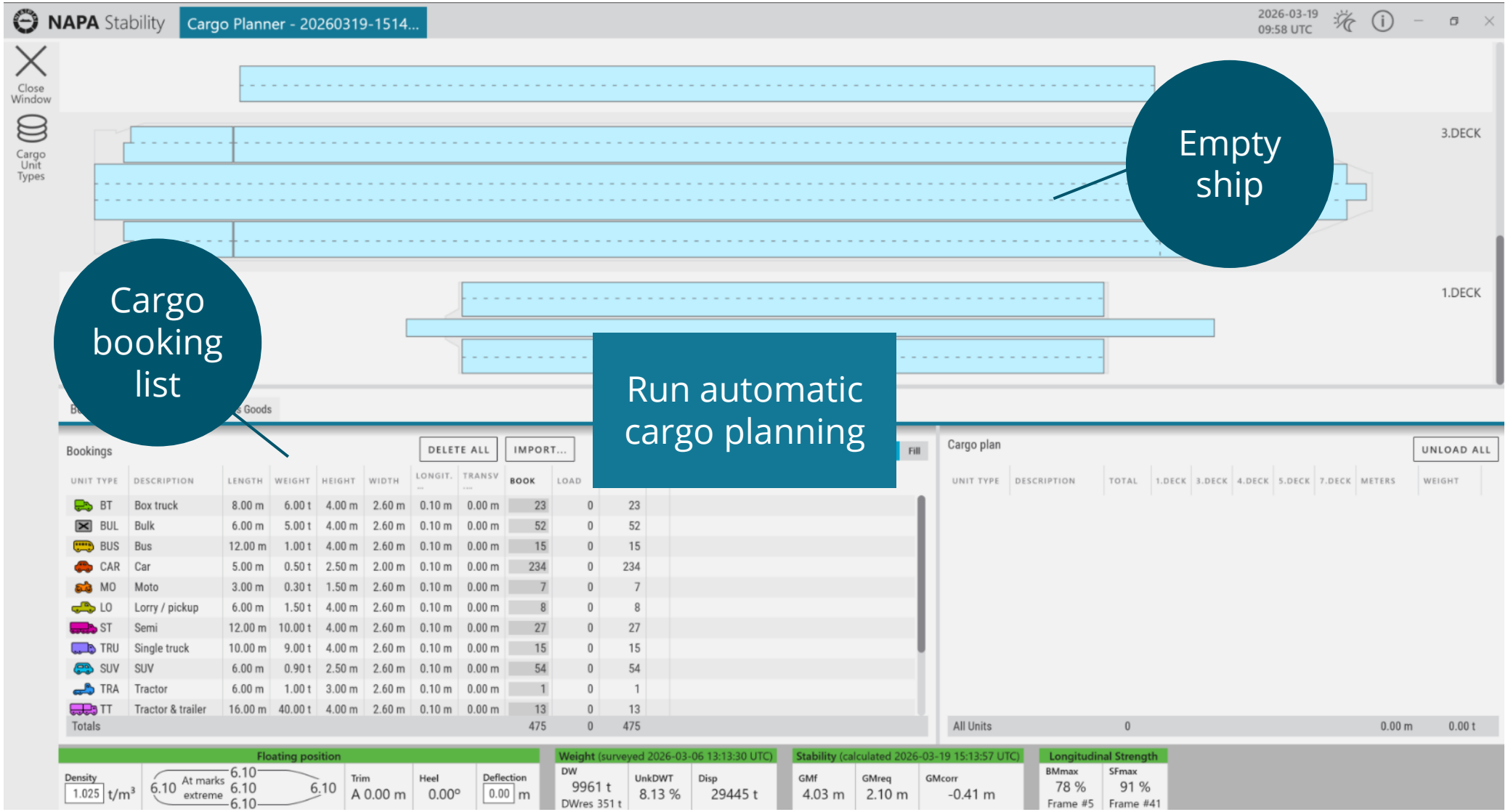


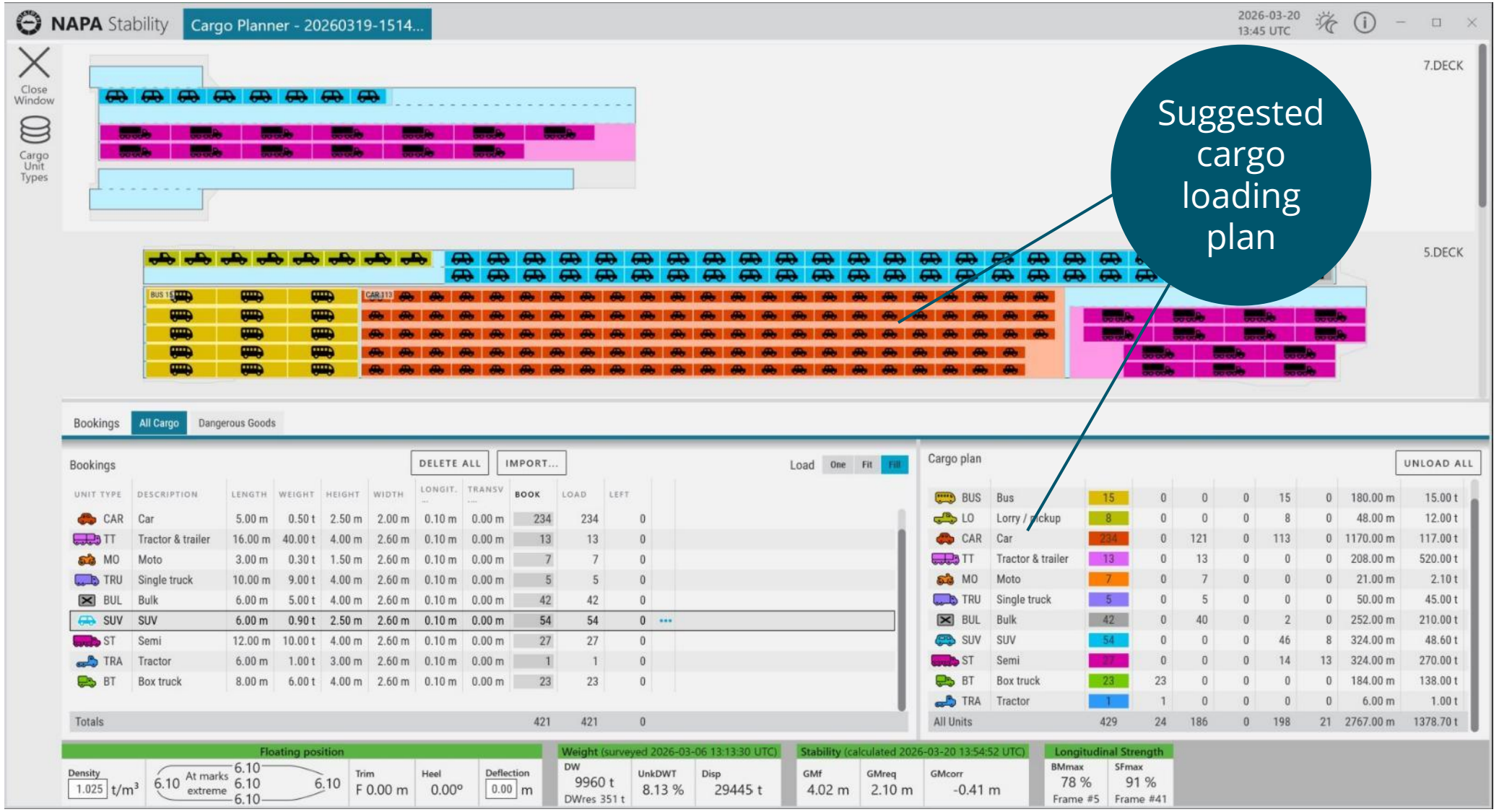
We are now researching and applying AI/ML model for cruise ships operational data, with emphasis on anomaly detection, forecasting and data quality challenges across differently configured vessels.

Exploring how operational VR data and contextual data (such as weather and passenger counts) can be used in scalable AI models.

NAPA Stability

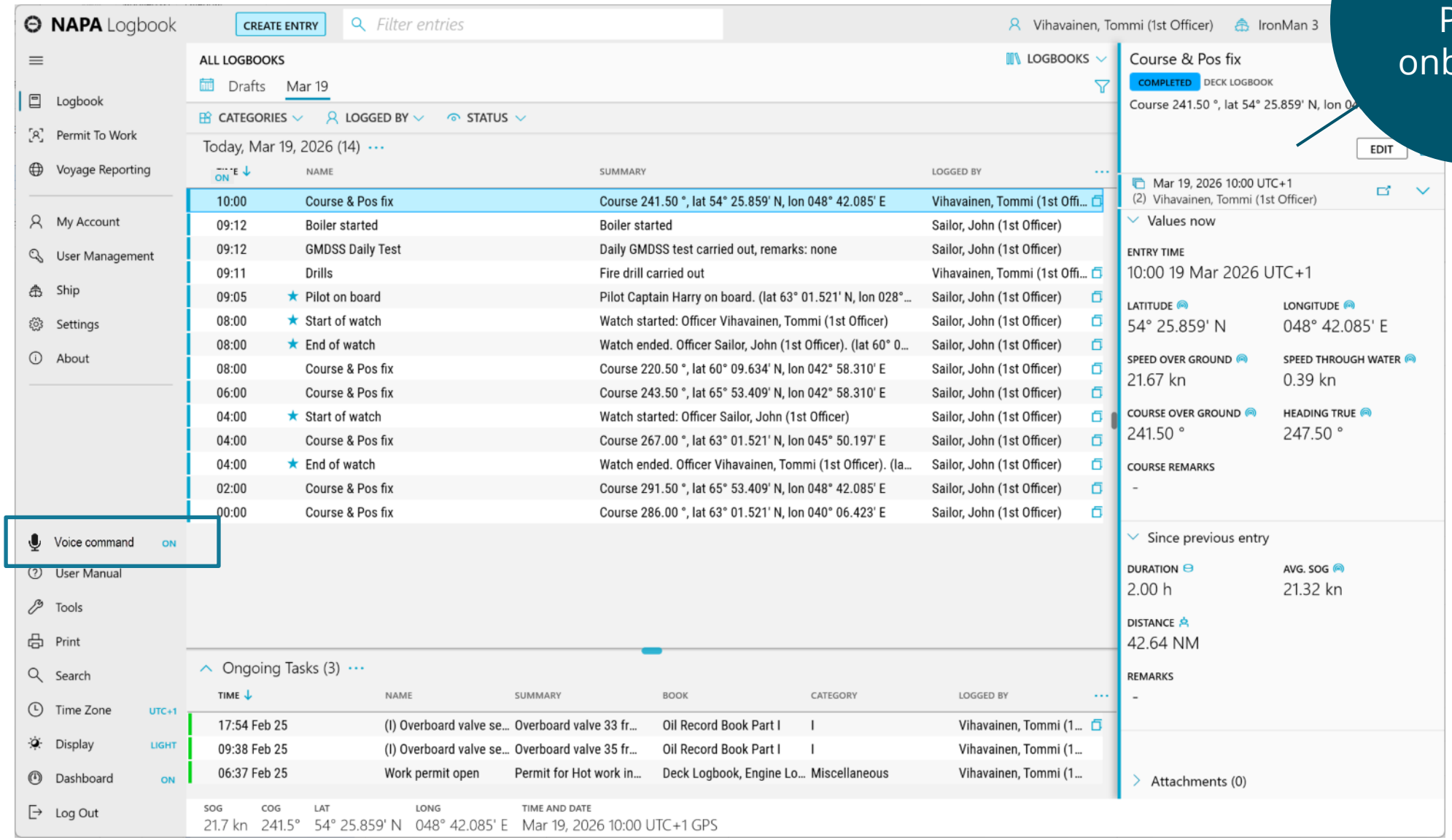
AI-assisted cargo loading to support faster planning




NAPA Stability
Cargo Planner - 20260319-1514...
2026-03-20
13:45 UTC
Close Window
Cargo Unit Types
7.DECK
5.DECK
Suggested cargo loading plan
Bookings
All Cargo
Dangerous Goods
DELETE ALL
IMPORT...
Load
One
Fit
Fill
UNIT TYPE
DESCRIPTION
LENGTH
WEIGHT
HEIGHT
WIDTH
LONGIT.
TRANSV
BOOK
LOAD
LEFT
CAR Car 5.00 m 0.50 t 2.50 m 2.00 m 0.10 m 0.00 m 234 234 0
TT Tractor & trailer 16.00 m 40.00 t 4.00 m 2.60 m 0.10 m 0.00 m 13 13 0
MO Moto 3.00 m 0.30 t 1.50 m 2.60 m 0.10 m 0.00 m 7 7 0
TRU Single truck 10.00 m 9.00 t 4.00 m 2.60 m 0.10 m 0.00 m 5 5 0
BUL Bulk 6.00 m 5.00 t 4.00 m 2.60 m 0.10 m 0.00 m 42 42 0
SUV SUV 6.00 m 0.90 t 2.50 m 2.60 m 0.10 m 0.00 m 54 54 0
ST Semi 12.00 m 10.00 t 4.00 m 2.60 m 0.10 m 0.00 m 27 27 0
TRA Tractor 6.00 m 1.00 t 3.00 m 2.60 m 0.10 m 0.00 m 1 1 0
BT Box truck 8.00 m 6.00 t 4.00 m 2.60 m 0.10 m 0.00 m 23 23 0
Totals 421 421 0
Cargo plan
UNLOAD ALL
BUS Bus 15 0 0 0 15 0 180.00 m 15.00 t
LO Lorry / pickup 8 0 0 0 8 0 48.00 m 12.00 t
CAR Car 234 0 121 0 113 0 1170.00 m 117.00 t
TT Tractor & trailer 13 0 13 0 0 0 208.00 m 520.00 t
MO Moto 7 0 7 0 0 0 21.00 m 2.10 t
TRU Single truck 5 0 5 0 0 0 50.00 m 45.00 t
BUL Bulk 42 0 40 0 2 0 252.00 m 210.00 t
SUV SUV 54 0 0 0 46 8 324.00 m 48.60 t
ST Semi 27 0 0 0 14 13 324.00 m 270.00 t
BT Box truck 23 23 0 0 0 0 184.00 m 138.00 t
TRA Tractor 1 1 0 0 0 0 6.00 m 1.00 t
All Units 429 24 186 0 198 21 2767.00 m 1378.70 t
Floating position
Density 1.025 t/m³
6.10 At marks 6.10 6.10 6.10 extreme 6.10
Trim F 0.00 m
Heel 0.00°
Deflection 0.00 m
Weight (surveyed 2026-03-06 13:13:30 UTC)
DW 9960 t
DWres 351 t
UnkDWT 8.13 %
Disp 29445 t
Stability (calculated 2026-03-20 13:54:52 UTC)
GMf 4.02 m
GMreq 2.10 m
GMcorr -0.41 m
Longitudinal Strength
BMmax 78 %
Frame #5
SFmax 91 %
Frame #41

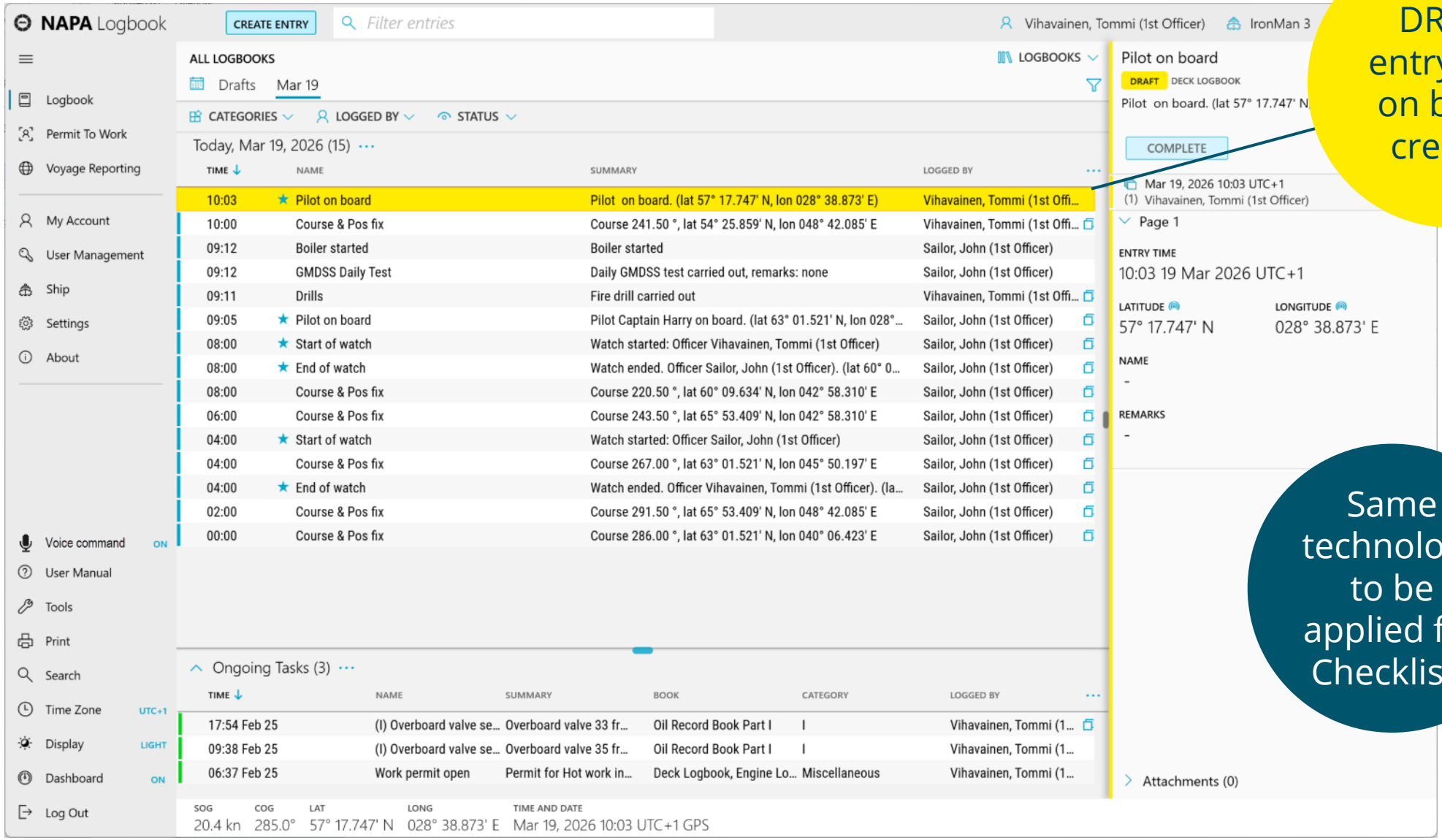
NAPA Logbook

Speech recognition for NAPA Logbook



"LOGBOOK, Pilot onboard"

Speech recognition for NAPA Logbook



DRAFT entry Pilot on board created

Same technology to be applied for Checklists

Thank you!

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