

iliad

The Digital Twin of the Ocean

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ПОДОБРЯВАНЕ НА СИГУРНОСТТА В ПРИСТАНИЩАТА С ИЗПОЛЗВАНЕ НА AI И AR



Presenter Name(s): К.Д.П АНДРЕЙ СТАНЕВ

Presenter Organisations(s): ILIAD

Location: TU Varna, Bulgaria

Date: 19 Януари 2023

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МОДУЛИ НА СИСТЕМАТА



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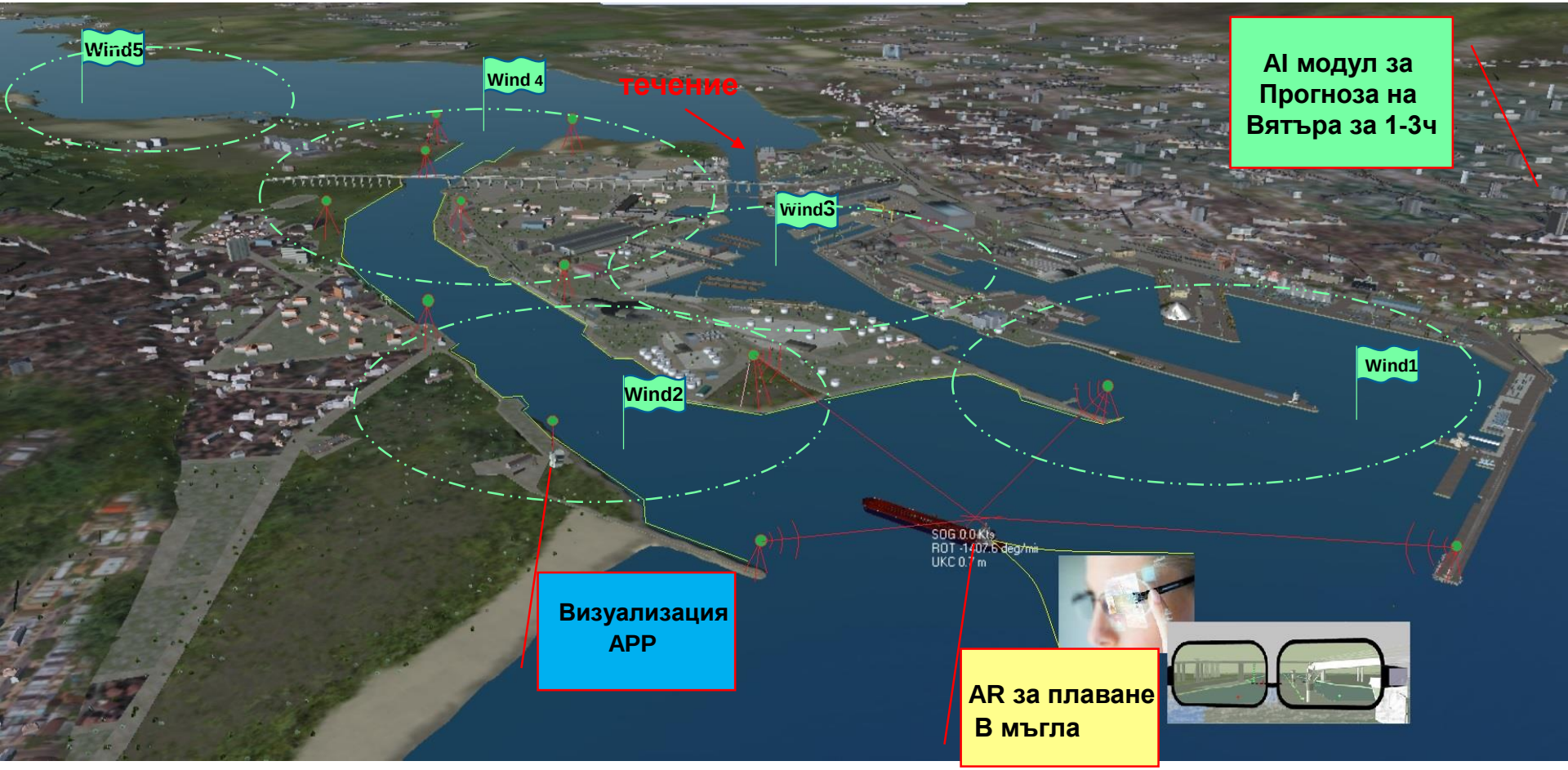
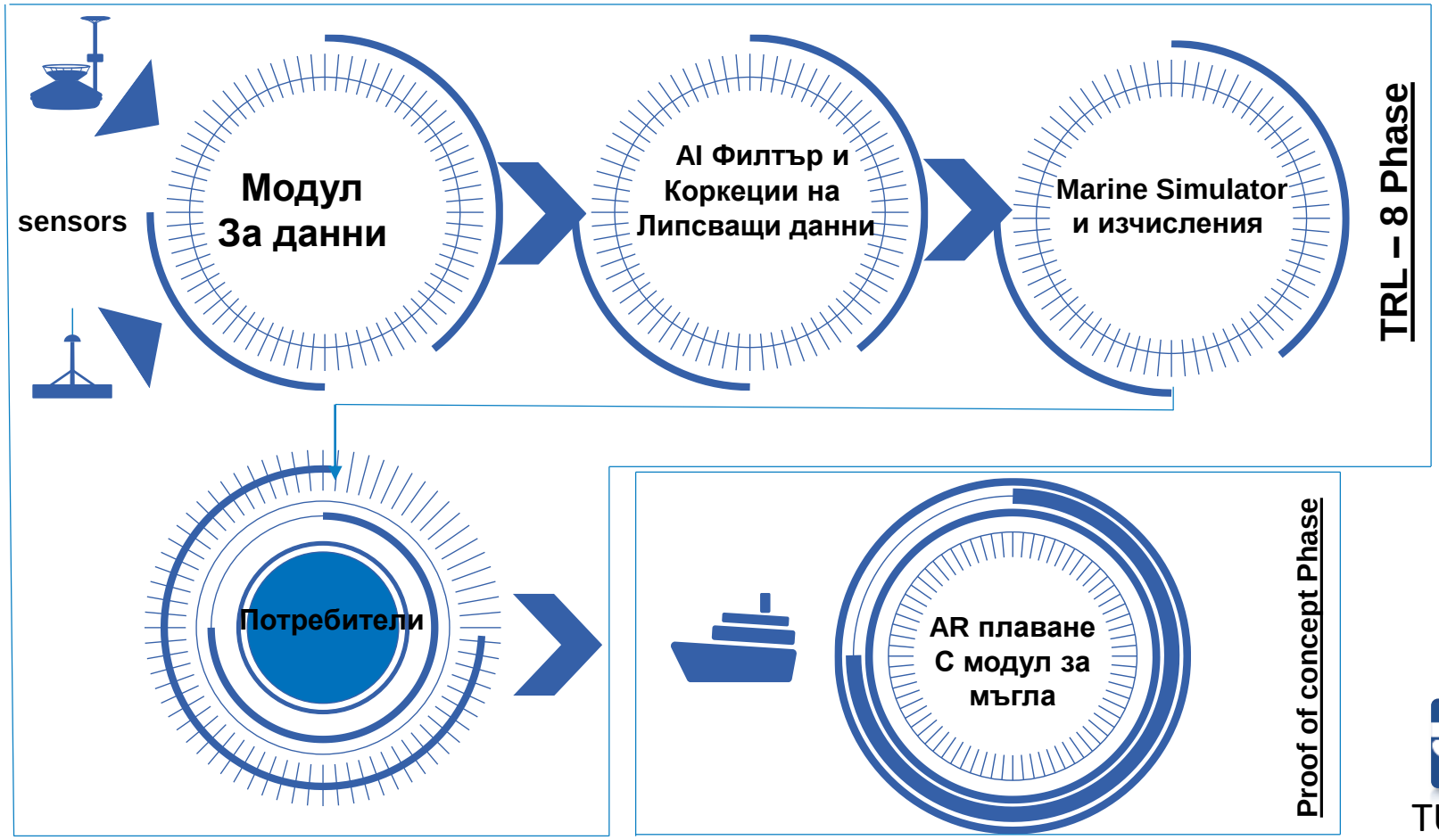
ПРИНЦИПНА СХЕМА НА СИСТЕМАТА



AI МОДУЛ ЗА КРАТКОВРЕМЕННА ПРОГНОЗА



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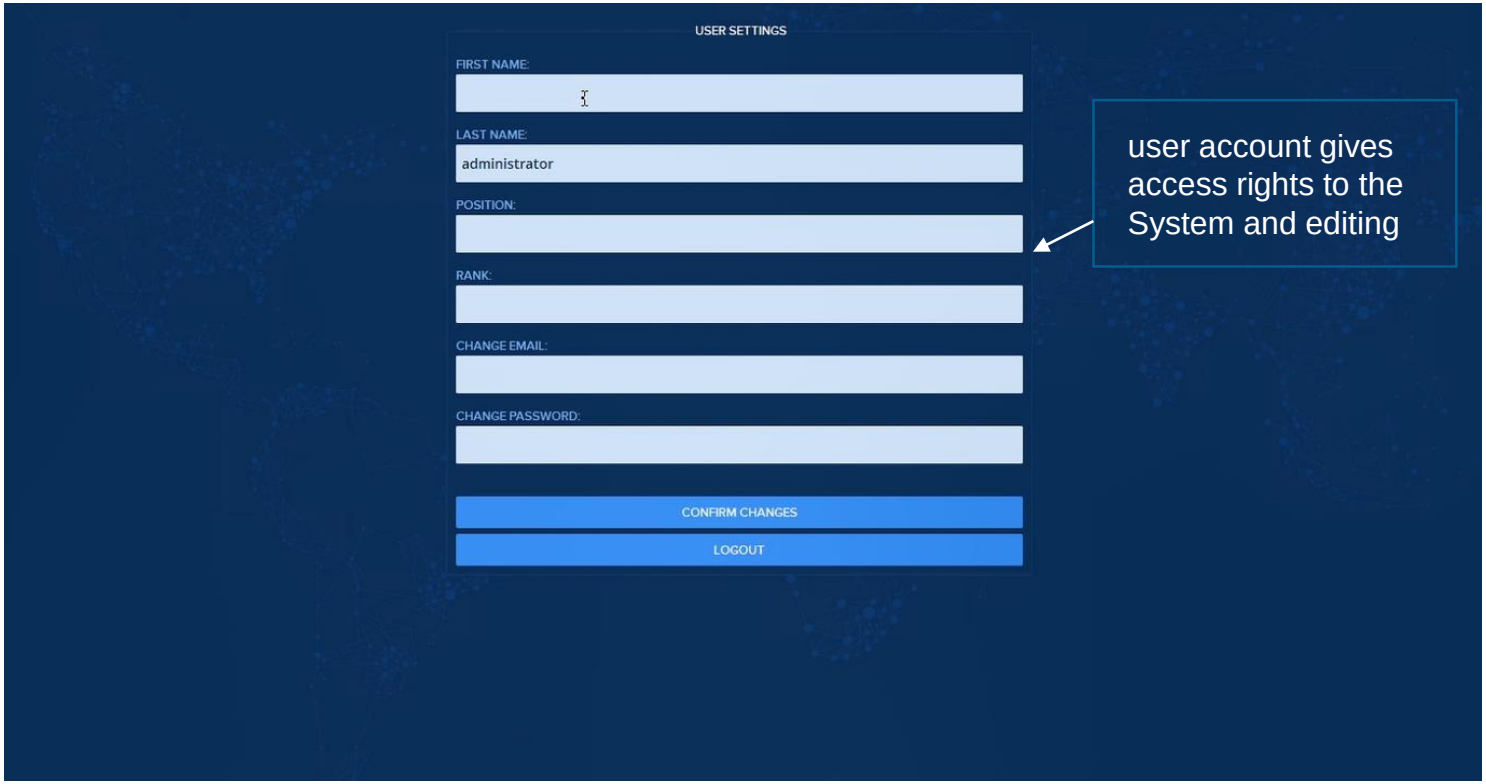
СОФТУЕР С AI ЗА ПРЕДСКАЗВАНЕ НА ВЯТЪР И МЪГЛА В ЗОНИ ОТ ПРИСТАНИЩЕТО



USER INTERFACE (ACCOUNTS)

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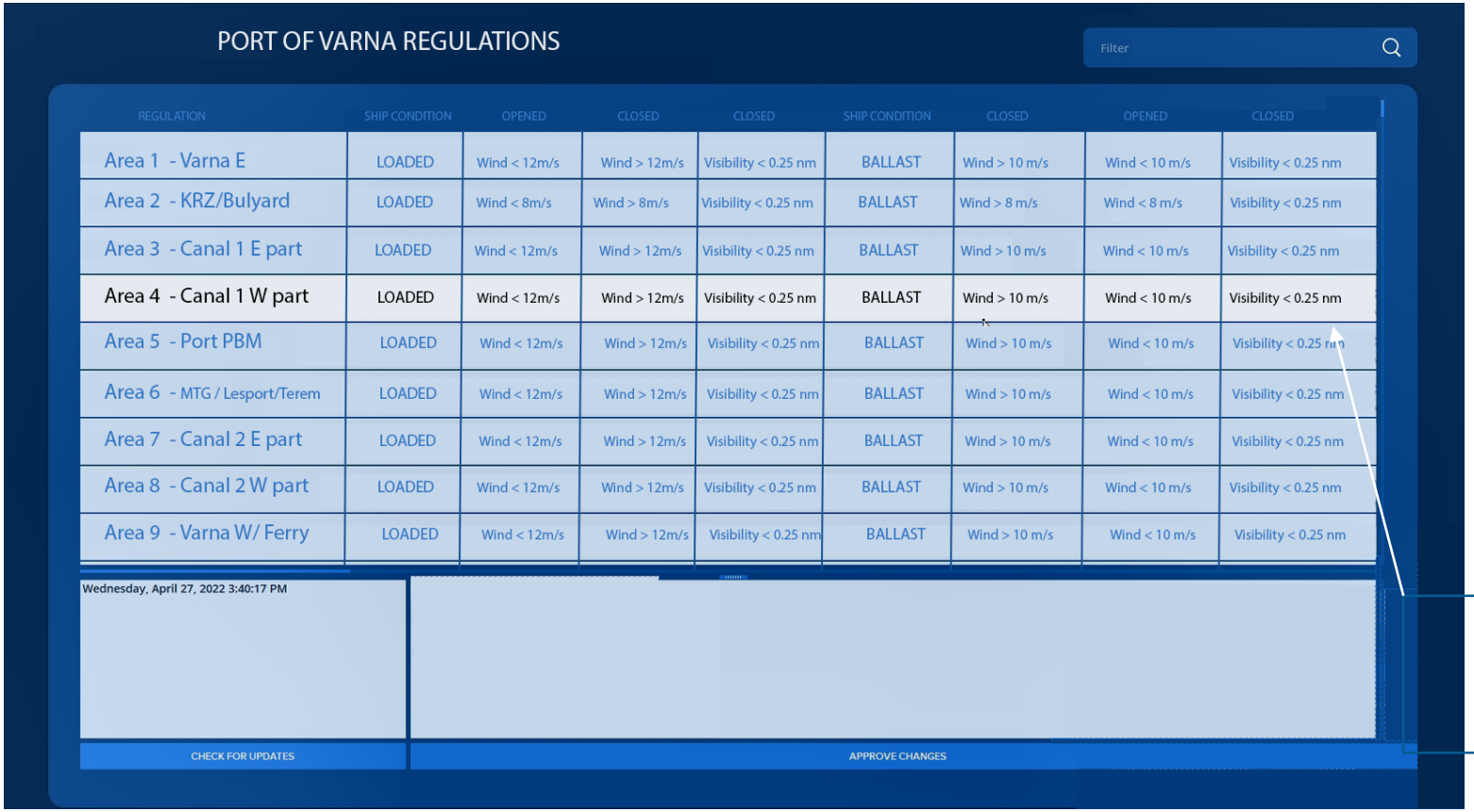
ВЪВЕЖДАНЕ НА ПРАВИЛА НА ПРИСТАНИЩЕТО ЗА ОБУЧЕНИЕ НА AI



Change port Regulations under Admin account

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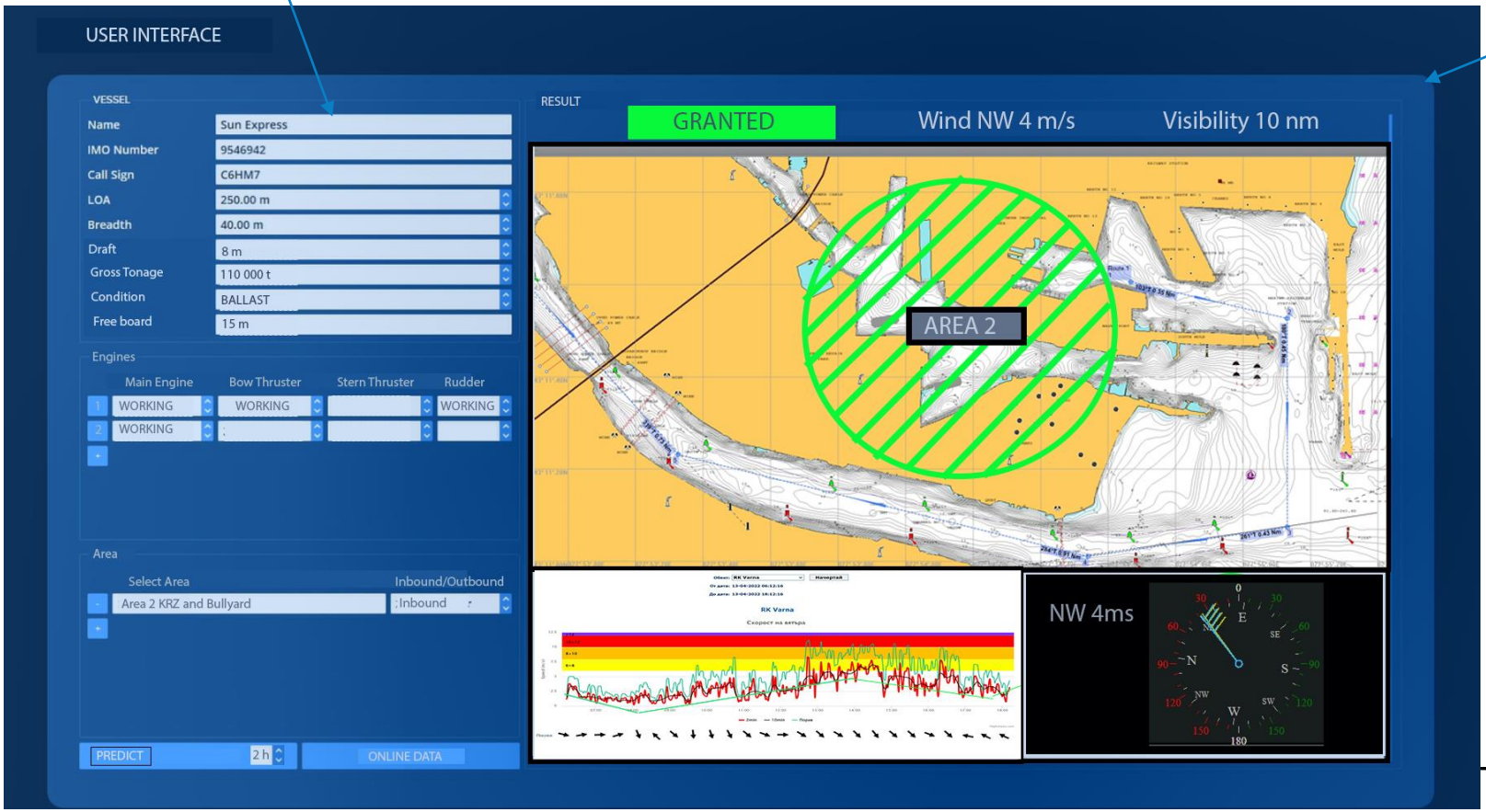
AI ПОДПОМАГА VTMS ОПЕРАТОРИТЕ

SHIP DATA

RESULT



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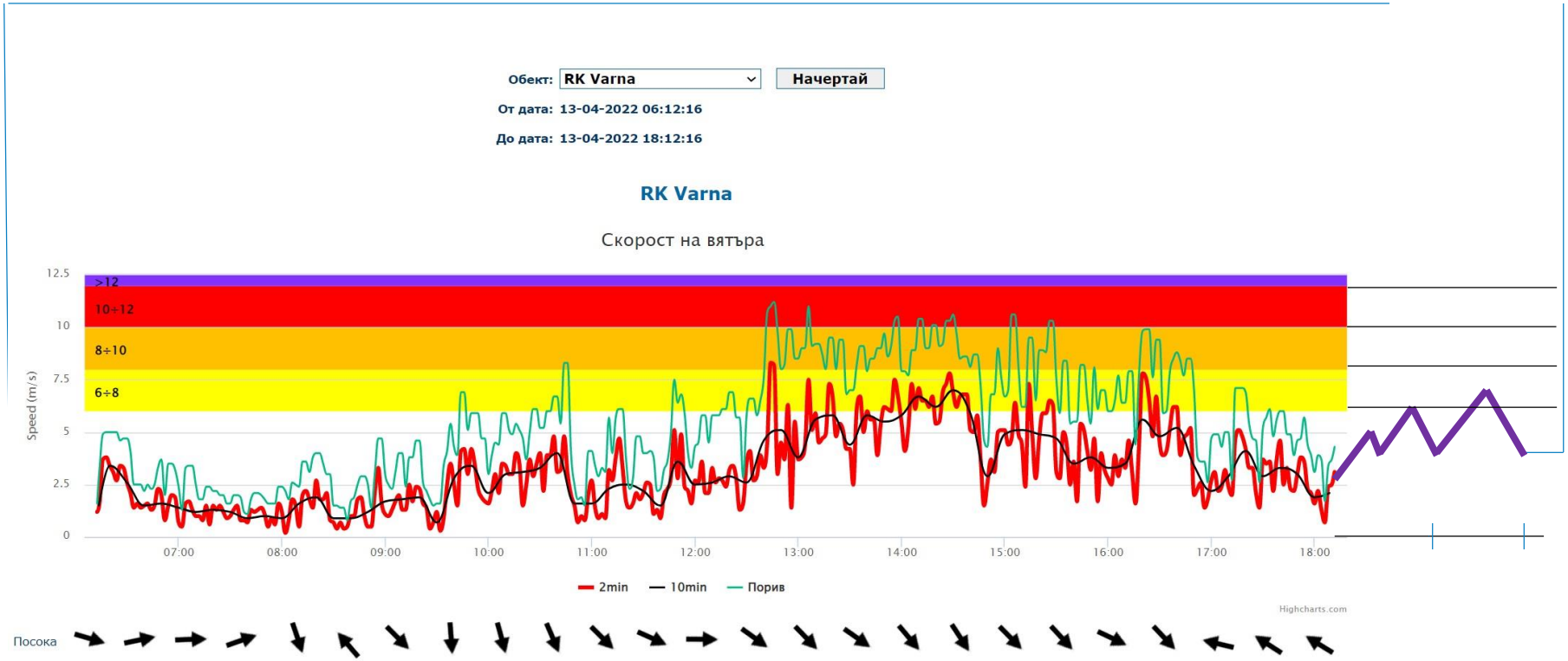
AI ДОПЪЛВА ДИАГРАМАТА НА ВЯТЪРА С 2 Ч НАПРЕД



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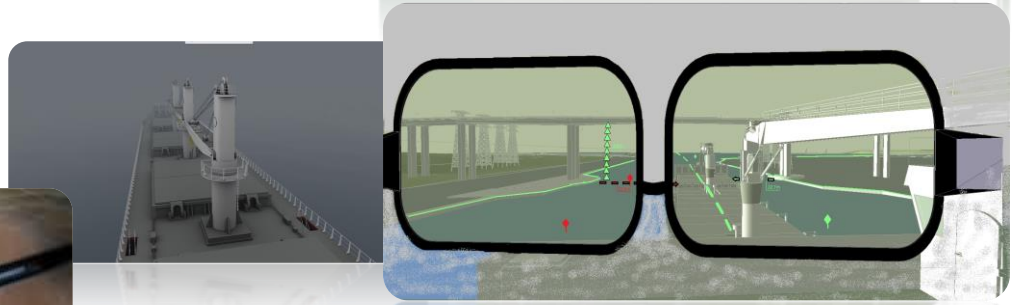
ДОБАВЯНЕ НА РЕАЛНОСТ ПРИ МЪГЛА

- Добавена реалност дори и в ясно време дава

Важна информация като

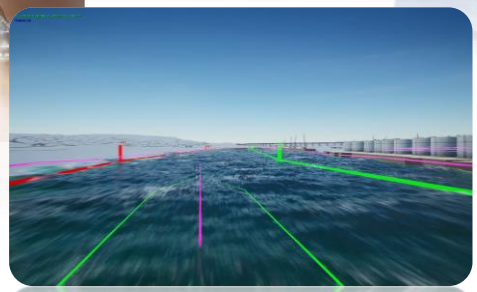
- Разстояние от обекти (буйове, кейове и т.н.)
- Идеалната траектория и др.





- Плаване в намалена видимост
- В очилата ще се проектира
  - брегова черта
  - растояния
  - дълбочина
  - буйове
  - курс и скорст на вятъра
  - скорост на кораба
  - скорост на сближаване с кей





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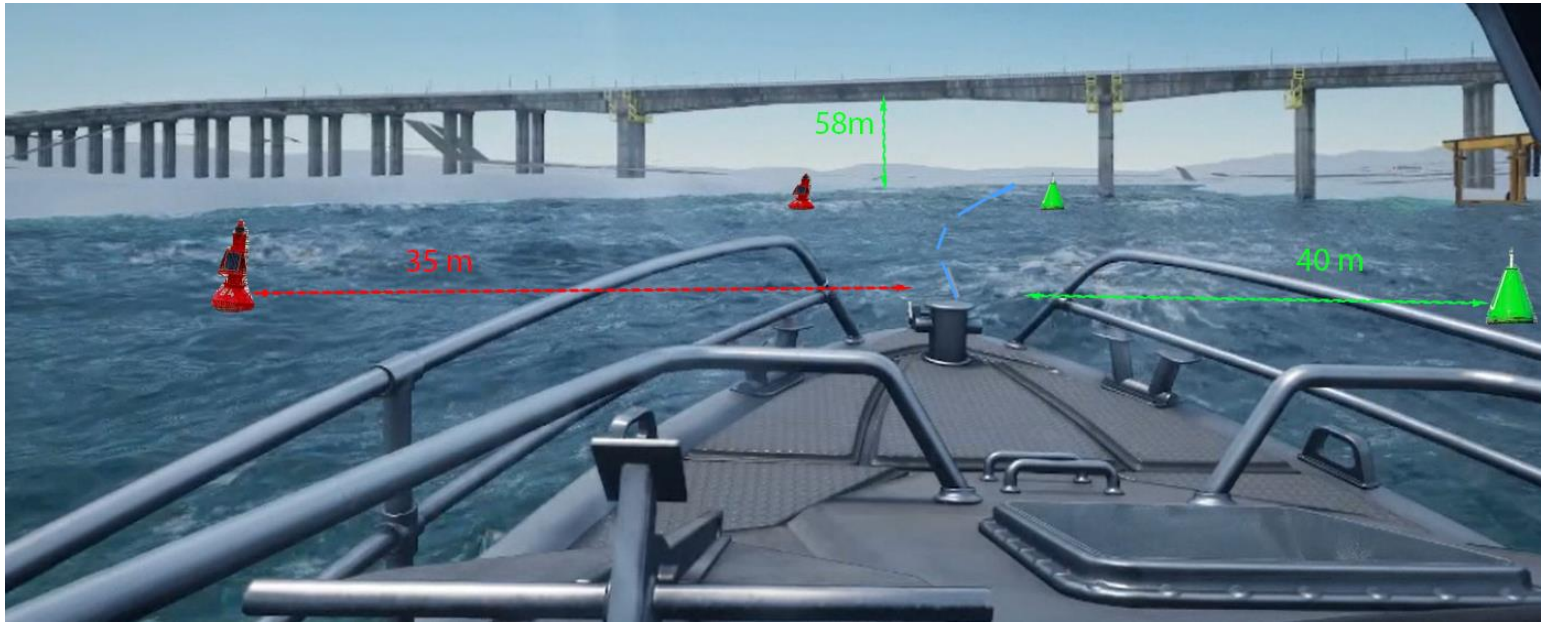
ЕЛЕМЕНТИ НА AR ДОБАВЕНА РЕАЛНОСТ





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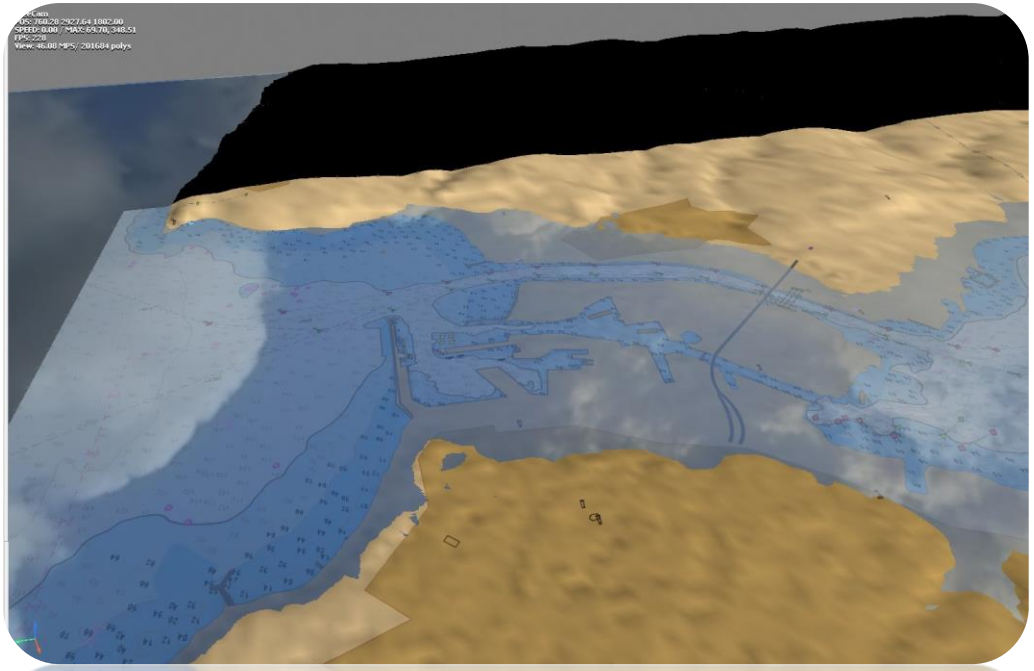
TRL – 8 Phase

СЪЗДАВАНЕ НА ТЕРЕНА И ДЪНОТО

Високоточна сателеитна дигитална снимка
Информация за дъното
Добавяне на течения и други динамични данни



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