



DOCK TECH

THE FUTURE OF DEPTH

Uri Yoselevich

CEO & Founder, DockTech

Ex-Navy officer

(Lieutenant commander)

Computer engineer

(Technion University)





Water Depth

Essential **resource** of all maritime stakeholders.

Determines how much **cargo** can be loaded to the vessel

A **safety margin** must be kept from the lowest point of the vessel to the ground

(Under-Keel-Clearance)

Ports, Rivers, Canals

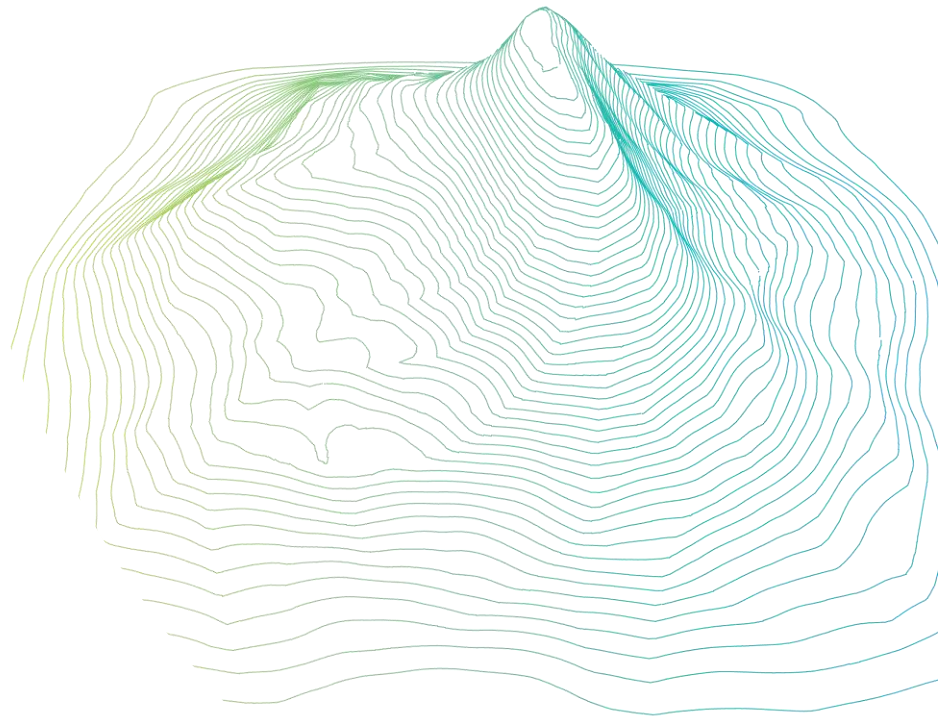
Shallow waterways

Obligated to set **Draft & safety restrictions**
according to water depth (Under-Keel-Clearance)

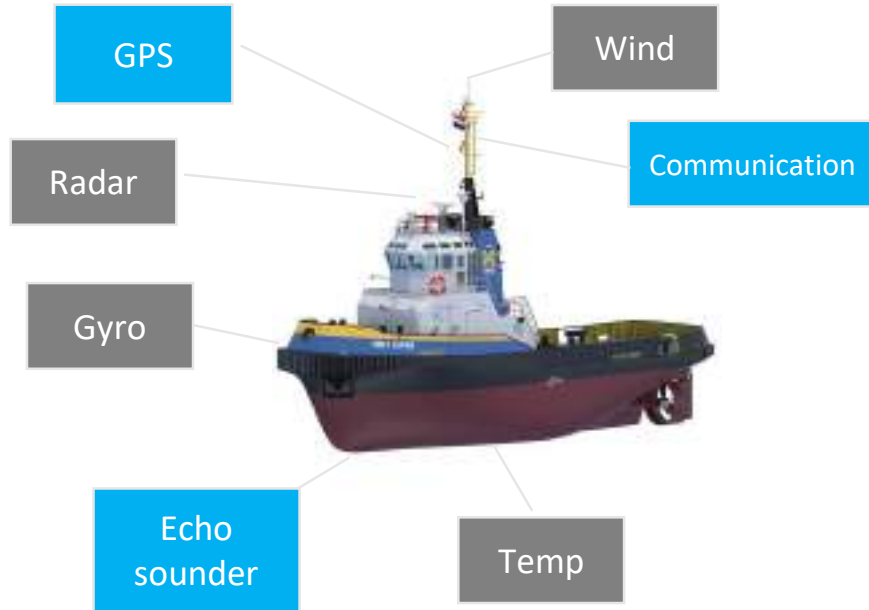
Relying on **out-of-date depths** (charts)

Result -

- *sub optimal cargo for each voyage*
- *Added risks for every vessel*



Modern vessel - Multiple sensors onboard



Water depth display



Location display



- *Data is generated on board for display purpose only*
- *Data is not collected or handled*
- *No data is shared outside of the vessel*

SOLUTION



- Map-based platform showing real time data collected from vessels.
- Route planner for maximum capacity with minimum risk.
- Forecast route conditions.

- **Optimal** use of waterways for customers
- **Safety** - Make sure **safety margins** are kept
 - Understand seabed trends - reduce **dredging costs**

Depth Assurance

Today

**Increasing cargo efficiency on
barges - Mississippi River**

Monitoring seabed -

Port of Ashdod





INGRAM BARGE CO.



Next VERTICALS

Risk Analysis

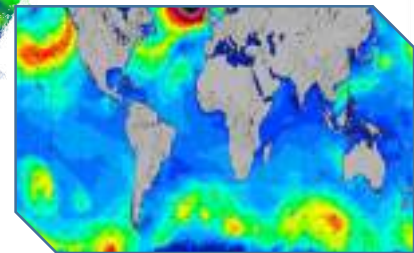
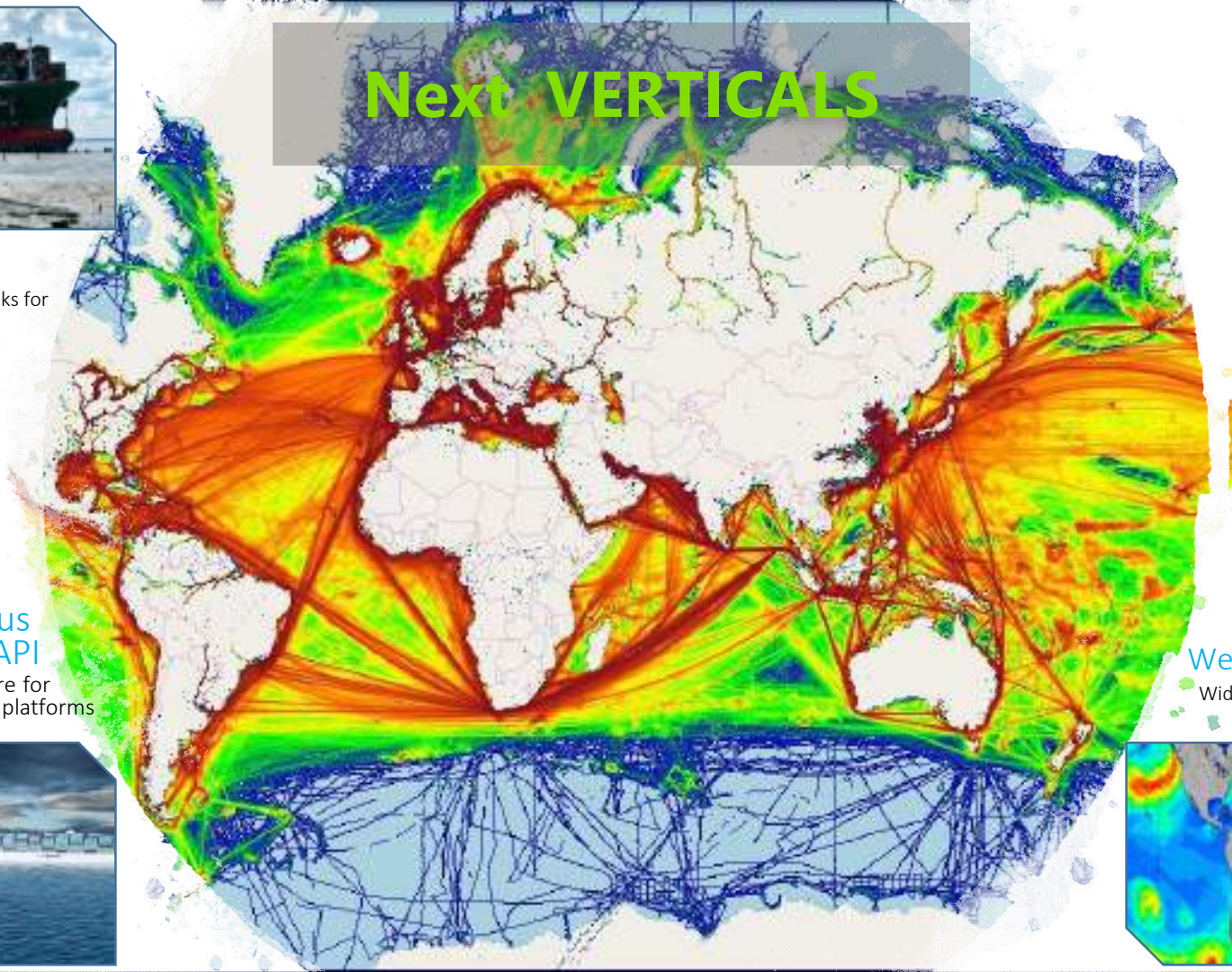
reducing navigation risks for maritime insurer

Autonomous navigation API

Data infrastructure for autonomous navigation platforms

Weather forecast

Wide coverage of real time weather data



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uri@docktech.net
www.docktech.net

