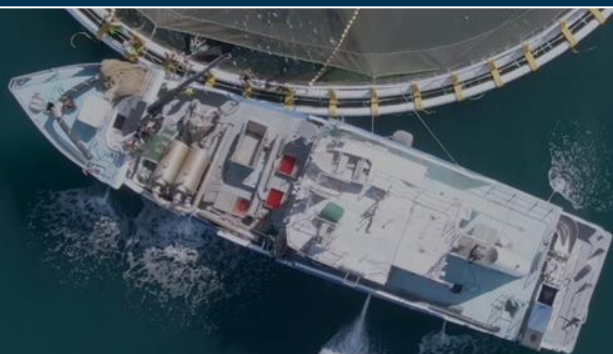




**Automomizing Water Mobility
with Robotics and AI.**



Boating can be a lot of fun



My first boating experience

Can't keep going straight

Debris or other boats are in front of me!

Have to keep the same position while fishing

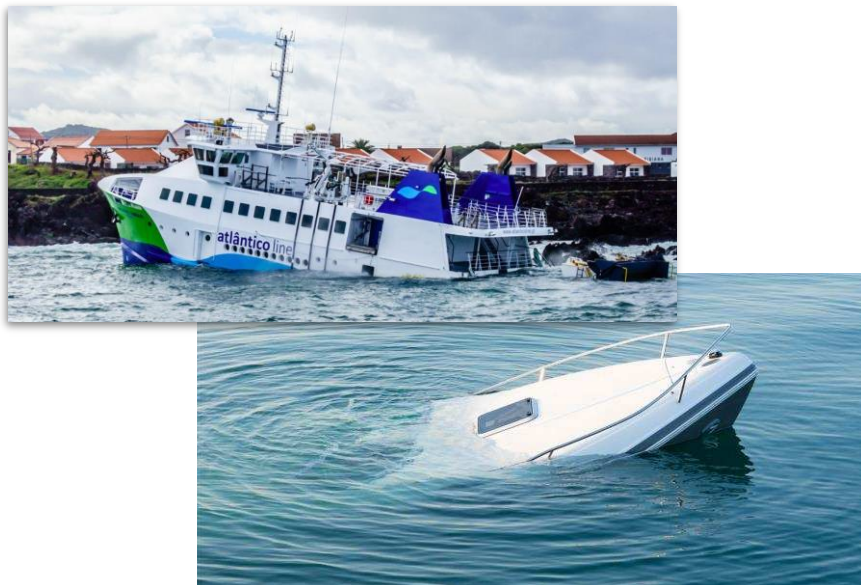
Fisherman's nets is a trap!

Docking again and again

Too busy and stressful!!



Most boating accidents are caused by human error



75% of accidents are caused by
HUMAN ERROR

Main Causes

Insufficient surveillance

Improper maneuvering

Not paying attention to the ship's position

Failure to check the waterway

<https://safety4sea.com/the-human-element-the-effects-of-fatigue-on-ship-safety/>



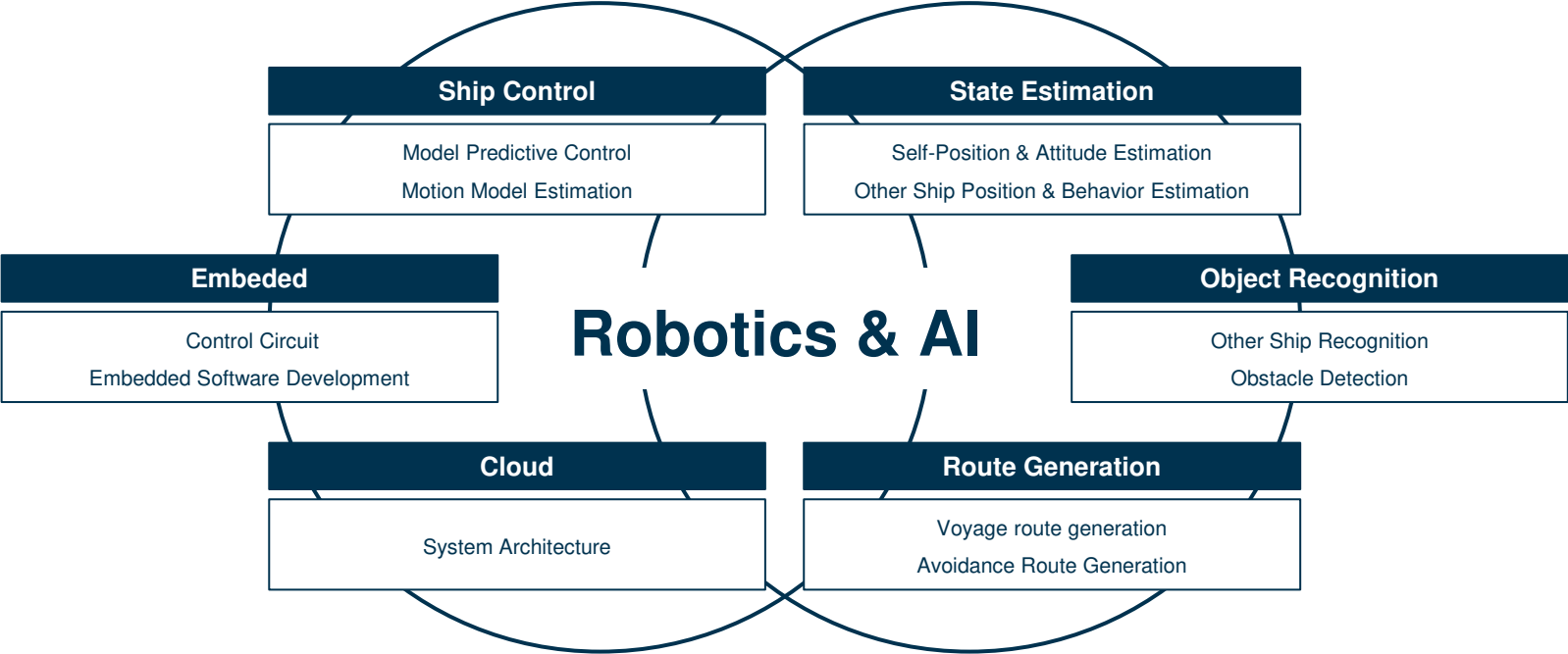
**With autonomous navigation technology,
make the boats easy for everyone to operate
and safe for everyone to ride.**



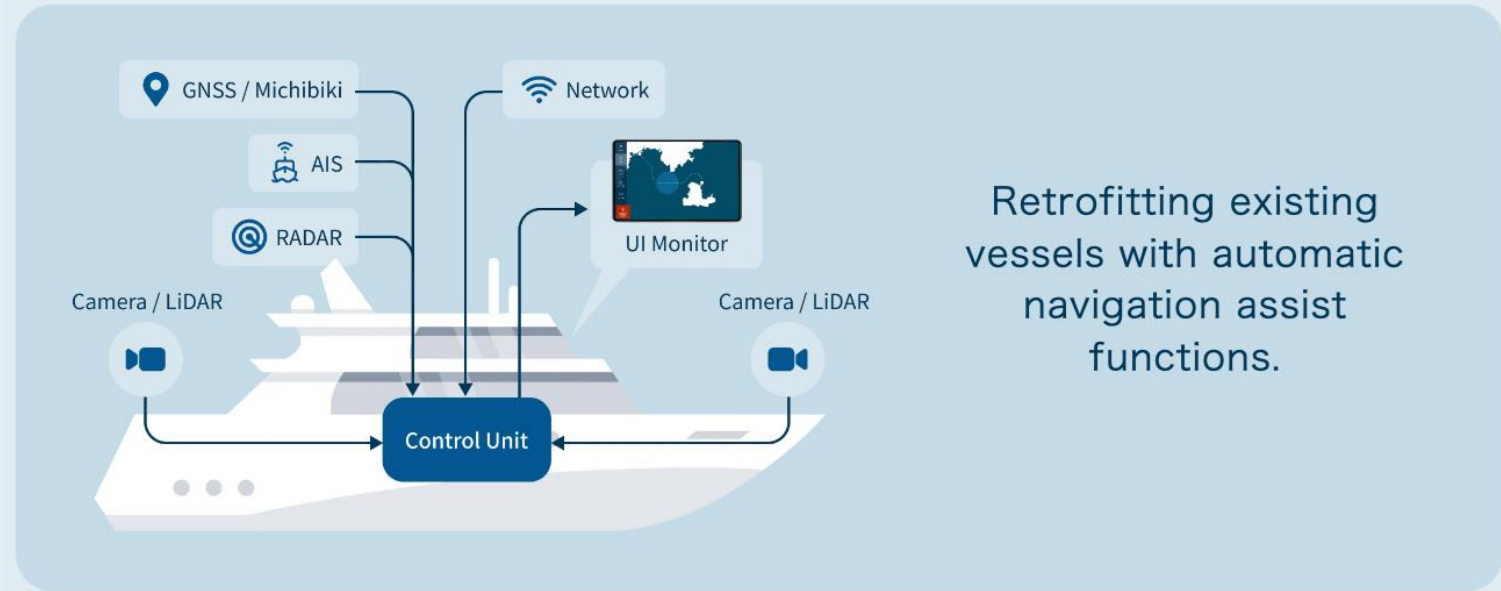
Eight Knot I

AI CAPTAIN

Our Technology



Developed an autonomous navigation system that can be retrofitted

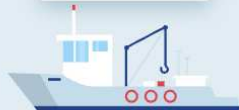


Retrofitting existing vessels with automatic navigation assist functions.

Passenger boats



Cargo transportation



Fishing boats



Water monitoring boats



Pleasure boats



Use Case

“Even one captain can do more.”

Ship name WAKKA

Ship owner WAKKA CORP. (Imabari City, Ehime Prefecture)

Usage Tourist boats, sea taxis

Propulsion Engine boats, single outboard motor



☐ Customer feedback



Mr. Arashi Murakami, Representative Director of WAKKA CORP.

There is a current situation where routes to remote islands are reduced or discontinued due to labor shortages and a lack of successors. However, with autonomous navigation technology, it is possible to prevent these issues to a certain extent. The technology maintains the ship's position and direction automatically, which increases what a single captain can do. For example, while the ship maintains its position automatically, the captain could serve drinks or stop at a fixed point for fishing, which can be realized with autonomous navigation.

Our Customers



Marine Construction

DPS function replaces anchor installation.
Shortens the construction period by eliminating
several hours of anchoring work.



Remote Island Line

Difficult to secure captains with sufficient skills.
Training costs for newcomers are also high.




Fisheries

The ship is often operated by a single person, and
the operator wants to reduce the workload because
distractions can cause oversight.

3 business models; starting from retrofit business

1 **Retrofit (2023 -)**



The diagram shows a boat with various components labeled: GNSS / みちびき, AIS, RADAR, ネットワーク, UI モニター, and 制御ユニット. There are also camera icons on the boat's deck.

¥ Installment fee + recurring rev
25k USD - 100k USD + monthly fee

User Boat Operators

Incl. hardwares / for boats only

2 **Software (2025 -)**



The images show a boat's interior with equipment and a person using a tablet displaying a map.

¥ Software License Fee

User Boat builders / Marine equipment manufacturers

Software / for boats and larger ships

3 **Platform (2027 -)**



The image shows the Eight Knot CONNECT logo and a screenshot of a cloud driving recorder interface with text: "Cloud driving recorder" and "Better fuel efficiency route by AI".

¥ Monthly fee (TBD)

User Users who use our autonomous functions

Platform / for boats and larger ships

Eight Knot Team

Experts from Robotics Fields



Yujin Kimura

CEO / Co-founder

PM of Japan's best-selling communication robot /
Ex-Apple Inc. / Marine activity enthusiasts



Tomoaki Yokoyama

CTO / Co-founder

2008 & 2013 RoboCup World Champion / Mobility
enthusiasts (F1, motorcycles and of course boats)



Kanako Dotani

COO / Co-founder

Organizational Development Expert / Extremely
talented sales person / Surfer, of course



External Experts from Maritime Fields



Koichi Kato

**Special Advisor
Executive Director**

Japan Ship Technology Research Association



Takuma Kishi

**Engineering Advisor
Associate Professor, PhD**

National Institute of Technology, Hiroshima College



Collaboration with Academia



独立行政法人 国立高等専門学校機構
広島商船高等専門学校
National Institute of Technology (KOSEN), Hiroshima College