

Introduction to AI for Beginners

Practical Use of Chatbots & Copilot in Vessel Maintenance and Navigation

Duration: 50 hours

Program Description: The seminar offers a comprehensive introduction to Artificial Intelligence, with an emphasis on the use of chatbots and Microsoft Copilot in real maritime environments. Participants learn how modern AI tools support engine maintenance, navigation, data analysis, technical documentation, and decision-making.



Target Audience:

- Ship engineers and technicians
- Bridge officers
- Shipping company executives
- Trainees with no prior experience in AI
- Boat owners

Course Structure (50 hours):

1. **Introduction to AI & Chatbots (6 hours):** What chatbots are, Large Language Models, Copilot, advantages, and limitations.

2. **Copilot for Technical Ship Tasks (8 hours):** Technical reports, engine data analysis, automatic instruction generation.
3. **Chatbots in Vessel Maintenance (10 hours):** Predictive maintenance, sensor interpretation, troubleshooting, checklists.
4. **Chatbots in Navigation & Safety (8 hours):** Weather data analysis, AIS/GPS/Radar, risk identification.
5. **Creating an Internal Chatbot (6 hours):** Custom chatbots, training with corporate data, process automation.
6. **LEO Networks & Chatbots (4 hours):** Starlink, OneWeb, Kuiper, utilizing satellite data.
7. **Practical Copilot Workshop (8 hours):** Maintenance commands, technical manuals, data analysis, navigation scenarios.

Learning Outcomes: Participants will be able to use chatbots for technical tasks, create reports and manuals, analyze ship data, support decision-making, and develop custom chatbots for shipping companies.