



GENERAL MEETING PROGRAMME

27TH – 30TH MAY 2025

***MARITIME PILOTAGE THE KEY LINK IN THE
MARITIME INDUSTRY***



Welcome

TO THE

59TH EMPA

GENERAL MEETING

Kraków 2025

Dear Pilots, Colleagues and Friends,
It is with great pleasure and deep appreciation
that I welcome you to the 59th General Meeting
of the European Maritime Pilots' Association, held
from May 27 to May 30, 2025, in the historic city
of Kraków, Poland.

This annual gathering is one of the most important events in the maritime pilotage calendar. It serves as a vital forum where we, as professionals and leaders of the pilotage community, come together to address the challenges shaping the future of our industry. The insights, expertise, and dialogue shared during this meeting play a crucial role in defining our collective path forward in an increasingly complex maritime landscape.

Originally, the meeting was planned for Batumi, Georgia, and we recognize with gratitude the tremendous effort made by our Georgian colleagues in preparing for it. Though circumstances required a change of location, we carry their spirit with us and look forward to a future opportunity to meet there.

Kraków, one of Europe's most beautiful and historically rich cities, provides an inspiring setting for this year's meeting. It is a place of knowledge, heritage, and innovation—a fitting environment for the important discussions we are about to have. I hope you will also take the time to enjoy its remarkable cultural sites and warm hospitality.

On behalf of the organizing committee, I would like to sincerely thank you for accepting our invitation and joining us here. Your presence reaffirms the significance of this event and strengthens the sense of unity and purpose that defines our profession.

We look forward to a productive and engaging meeting, filled with valuable exchange, meaningful debate, and memorable moments.

Warm regards,

Jerzy Kaczmarek
Chairman of the Organizing Committee of the 59th EMPA General Meeting
President, Polish Maritime Pilots' Association



Maritime Pilotage: The Key Link in the Maritime Industry
AC Hotel by Marriott Kraków 27th – 30th May 2025



PROGRAMME

TUESDAY, MAY 27TH
DAY 0

17:00PM – 18:00PM

Registration – AC Hotel Kraków

18:00PM – 19:00PM

CoP – AC Hotel Kraków

19:00PM – 22:00PM

Welcome Cocktail & Buffet
Dinner – By NG Shipyards
AC Hotel Kraków
Delegates and
accompanying persons

HONORARY PATRONEGE



Minister of
Infrastructure

WEDNESDAY, MAY 28TH

DAY 1

8:30AM – 9:00AM

REGISTRATION AND WELCOME COFFEE BY NAVICOM

9:00AM – 10:00AM

OPENING CEREMONY *Chair – Erik Dalege*

- Welcome Address by EMPA President E. Dalege
- Secretary of State in the Ministry of Infrastructure
- European Maritime Safety Agency – Head of Unit Ship Safety and Security – Santiago Encabo

10:00AM – 10:20AM

PRESENTATION OF CANDIDATES RUNNING FOR ELECTION

10:20AM – 11:20AM

Chair – Miguel Vieira de Castro

AI – CHALLENGE, THREAT OR USEFUL TOOL

- What is artificial intelligence? – Prof. Wojciech Chmiel
- Threat of data manipulation in AI – Prof. Joanna Jaworek Korjakowska
- The Imitation Game – Patrick Galvin

11:20AM – 11:30AM

COMMERCIAL PRESENTATION 1 – TRELLEBORG

11:30AM – 11:50AM

COFFEE BREAK BY ARTEMIS TECHNOLOGIES

11:50AM – 13:00PM

Chair – Henry Caubriere

AUTONOMOUS SHIPS

- E-navigation vs autonomous navigation – challenge for pilots – Prof. Adam Weintritt
- Can a ship be its own captain? – Dr Barbara Stępień
- Welcome on board Mr. Pilot – Cpt. Erik Dalege
- Pilots' embracing of new technologies – Cpt. G.Mazur

13:00PM – 13:10PM

COMMERCIAL PRESENTATION – ARTEMIS TECHNOLOGIES

13:10PM – 14:15PM

LUNCH BY NAVSIM POLSKA AND FAIRPLAY TOWAGE GROUP

14:15PM – 15:15PM

Chair – Peter Lightfoot

SAFETY, SECURITY AND EDUCATION IN MARITIME OPERATIONS

- Greenport Alliance – Patrick Galvin
- The role of IMPA in promoting pilots' safety – Matthew Williams
- Geopolitical incidents in the Baltic Sea – Cpt. Kaj Hahtonen
- Disturbance of GPS signal and the impact on safe pilotage operation – Dr Wojciech Tycholiz

15:15PM – 15:35PM

COFFEE BREAK BY TRENZ

15:35PM – 16:35PM

Chair – Patrick Galvin

INNOVATIONS IN MARITIME TECHNOLOGY

- New technology and changes in the shipping industry – legal challenges facing European maritime pilotage – Attorney-at-law Rafał Czyżyk
- Rescue skills and new e-technologies in SAR operations – Dr Marzena Malyszko
- Impact of Maritime technology in the wellbeing of Seafarers – Kathy Speelman

18:30PM – 24:00PM

POLISH DINNER BY ABEKING & RASMUSSEN

Delegates and accompanying persons, sponsors

Maritime Pilotage: The Key Link in the Maritime Industry
AC Hotel by Marriott Krakow 27th – 30th May 2025



PROGRAMME

THURSDAY, MAY 29TH

**DAY 2
SOCIAL EVENT**

09:00 AM – 13:10PM

Kraków guided walking tour

13:10 AM – 14:15PM

LUNCH BY FAIRPLAY TOWAGE GROUP AND NAVSIM POLSKA

Followed by free time

FRIDAY, MAY 30TH

DAY 3

9:00AM – 9:30AM

WELCOME COFFEE BY NAVICOM DYNAMICS

9:30AM – 10:00AM

DEEP SEA COMMITTEE *Chair – Kaj Hahtonen*

10:00AM – 11:00AM

Chair – Miguel Vieira de Castro

T&T COMMITTEE

- T&T Chairman Report
- EMPAsafe V1.3 – AMURA – Elena de la Fuente
- Why do you think pilots may be reluctant to report deficiencies? – Cpt. José Antonio Perez

11:00AM – 11:20AM

COFFEE BREAK BY KEWATEC

11:20PM – 13:20PM

CLOSED SESSION 1

13:20AM – 14:30PM

LUNCH BY FAIRPLAY TOWAGE GROUP AND NAVSIM POLSKA

14:30 PM – 15:30PM

CLOSED SESSION 2

CLOSING REMARKS

EMPA President Erik Dalege

18:30PM – 01:00AM

GALA DINNER

COURTESY OF ILAWA TRAINING CENTRE

Niepołomice Royal Castle

HONORARY PATRONEGE



**Minister of
Infrastructure**



Our sincere thanks go to our sponsors



GOLD PLUS



ABEKING & RASMUSSEN

GOLD



SILVER



FAIRPLAY TOWAGE GROUP

BRONZE



BASIC



PARTNERS



HONORARY PATRONEGE

HONORARY PATRON



Minister of Infrastructure

CITY OF KRAKÓW



Kraków

RECTOR OF AGH



WWW.AGH.EDU.PL

RECTOR OF UMG



WWW.UMG.EDU.PL

SPONSORS

Maritime Pilotage: The Key Link in the Maritime Industry

AC Hotel by Marriott Kraków 27th – 30th May 2025



TUESDAY, MAY 27TH

DAY 0

19.00 – 22.00 Welcome Cocktail by NG Shipyards
AC Mariott Hotel, Level 0.

WEDNESDAY, MAY 28TH

DAY 1

- **9.15** – meeting guides at the hotel AC Mariott lobby
- **9.30** – Departure for Kazimierz Tour, the old, Jewish district of Kraków (bus transfer)

- **13.00** – Lunch in Kazimierz Ester Traditional Jewish Restaurant

- **14.30** – Return to the AC Mariott Hotel

- **18:30** – Departure for dinner
- **19.30 – 23.00** – Dinner in Zalesie Manor House by Abeking&Rasmussen

THURSDAY, MAY 29TH

DAY 2

- **9.00** Meeting guides at the hotel AC Mariott lobby
- **9:15** Departure for a tour

- **09:15 – 13.00** – Kraków Walking Tour by MED TUG SPA, Royal Route with vintage bus (comfortable shoes)

- **13.00-14.00** – Lunch in Kawaleria Restaurant

- **From 14.00** – Cloth Hall shopping, Leisure time in Kraków, free time
Return to the hotel independently.

FRIDAY, MAY 30TH

DAY 3

- **7:50** – Meeting guide at the hotel AC Mariott lobby
- **8.00** – Departure for Wieliczka Salt Mine Tour by MED TUG SPA – UNESCO World Heritage Sites

- **9.15 – 12.00** – Salt Mine visit
(The route includes approx. 800 stairs, 380 of which are at the start. Please wear comfortable shoes and clothing according to the conditions on the route. The temperature underground falls within the range of 17–18°C. Not wheelchair accessible)

- **12.30 -13.30** – Lunch in Grand Sal Hotel Restaurant

- **13:30 -14:30** – Return to AC Hotel

- **18:30** – Departure for Gala Dinner
- **19.30 – 01.00** – Gala Dinner by Ilawa Ship Handling Research and Training Centre in Niepołomice Royal Castle (dancing shoes)



ILAWA

SHIP HANDLING RESEARCH AND TRAINING CENTRE

Prof. Lech Kobylński Foundation for Safety of Navigation is a world-famous training and research centre offering training and research in the field of ship manoeuvrability.

This activity is carried out using mainly large manned or remote controlled ship models of different size and equipped with simulators of systems necessary for ship handling: from various types of propulsion devices to various types of control devices and various navigation equipment. For research the precise measuring equipment is used.

Training and research are carried out in a perfectly equipped centre in Ilawa, where on Lake Sيلم with an area of approx. 60 ha there are numerous training and research areas, differing in the configuration of the areas and the depth of the water. These areas also have mock ups of rivers and canals with the possibility of generating a water current with a regulated velocity. Mock ups of ports and different terminals are their perfect complement. Currently the centre has 11 large manned training models of ships, representing their different types and sizes: from ultra-large container vessels and tankers to escort tugs. All training models are built to the same scale.

Since the start of operations in Ilawa in 1980, over 6,500 masters, chief officers and pilots from over 40 countries have received a certificate of completion of training. Research works mainly include measurements of the manoeuvring characteristics of various types of ships, tests of new solutions for control and propulsion systems and, recently, tests of autonomous ships.



■ Navicom Dynamics

NAVIGATING WITH PRECISION

Established in 2003, Navicom Dynamics is a New Zealand-based company proudly recognised as a global leader in precision positioning and monitoring systems for the maritime industry. We design and manufacture world-class navigation solutions used daily by marine pilots in over 40 countries and more than 150 ports worldwide.

Our product range includes Portable Pilot Units (PPUs), specialised piloting and navigation tools, customisable docking and mooring aids, and bespoke GNSS technology applications. Since 2022, we've developed over 25 systems—ranging from tailored solutions for the Panama Canal and created the Azimuth Learning Academy, a global eLearning platform delivering IMPA-aligned courses for continuous professional development in PPU use.

With global ports becoming increasingly complex, efficiency and safety are more critical than ever. As PPUs become mandatory in many ports, Navicom's systems help pilots operate with confidence—improving safety, streamlining operations, and enabling precise decision-making.

That's why the maritime industry continues to trust Navicom Dynamics for innovation, quality, and performance.

To know more about Navicom please visit our website www.navicomdynamics.com

Looking forward to meeting you all at the EMPA General Meeting 2025.

Efficiency at Sea for Pilot Operations

The all-electric Artemis EF-12 Pilot boat delivers increased energy efficiency and excellent operational performance. Combining active hydrofoils and the proprietary Artemis eFoil® electric drivetrain, the electric foiling pilot boat delivers energy savings up to 86% compared to conventional internal combustion engine (ICE) pilot vessels.

The key difference is that the Artemis EF-12 Pilot boat's hull is lifted out of the water significantly reducing drag and water resistance. Efficiency is improved not just by foiling but also using the Artemis eFoil® electric drivetrain that is more efficient than an equivalent drivetrain powered by fossil fuels.

The Artemis EF-12 Pilot has a range of up to 47 nautical miles at a cruise speed of 25 knots, ideal for high-frequency, high-speed port operations. It also offers exceptional seakeeping and stability, ensuring crew comfort.

Energy Cost Comparison*		
	Artemis EF-12 Pilot boat (100% Electric foiling 12 m)	Diesel Pilot boat (14.9m with twin D13 engines)
Daily mileage in NM	100 NM	100 NM
kWh or litres per NM at cruise speed	7 kWh	6.4 litres
Total kWh or litres per day	700 kWh	640.00 litres
Stated annual consumption in kWh/ litres	255,500 kWh	233,600 litres
Price per kWh/litres	£0.21 per kWh	£1.08 per litre
Daily Cost (in electricity or diesel)	£147.00	£691.20
Annual Fuel Cost (electric vs diesel pilot boat)	£53,655.00	£252,288.00
Annual Fuel Cost Saving (electric (flat water**) vs diesel)	£ 198,633.00	-

*In this example "flat water" is 0.1 HS

Operating Cost Comparison*		
	Artemis EF-12 Pilot boat (100% Electric foiling 12 m)	Diesel Pilot boat (14.9m with twin D13 engines)
Total Annual OPEX (including fuel, maintenance and annualised battery replacements)	£135,410.47	£307,268.00
Annual OPEX Saving with Artemis EF-12 Pilot boat (100% Electric foiling 12m)	£ 171,857.53	-
Total Cost of Operation (TCO) 15 years including purchase of vessel	£5,428,928.21	£7,157,348.41
TCO Saving	£ 1,728,420.20	-

*These findings are provided for illustrative purposes only to show the cost savings (fuel and operational expenditure [OPEX]) that the Artemis EF-12 Pilot boat (single propulsion) can provide based on a duty cycle of 100 nautical miles per day on the assumed costs provided. Cost calculations are based on example costs of electric and diesel and price of vessels, all of which are real-world examples seen in May 2025. The diesel pilot boat is a generic popular 14.9m design with Volvo D13 (700) x 2 engines. At a cruise speed of 25 knots the estimated RPM are 1800 and 80 litres per hour per engine (60 litres per hour for the vessel – as per the Volvo Penta D13 spec sheet). Max RPM for a D13 (700) is 2300, consuming 130 litres per engine per hour.



ENERGY SAVING
TECHNOLOGY



COMFORTABLE AND
SMOOTH



ZERO EMISSIONS
IN OPERATION

