



PIANC

The World Association for Waterborne
Transport Infrastructure

PIANC AGA OSLO 2023

TECHNICAL PROGRAM FRIDAY MAY 26, 08:30 – 13:00

The technical seminar for AGA 2023 in Oslo focuses on "smart" technology that is used both in and around ships, autonomy but also new approaches in the green shift. The ports are becoming more and more central in this shift.

There are important new topics for PIANC and future working groups.

8:30 WELCOME!

- **The fjord city of Oslo / New ferry terminal in Oslo**
- **The world's most effective and environmentally friendly city near port**
- **Green Shipping Program/ Green ship fuel-challenges**
- **New zero emission vessel concepts**
- **Maritime autonomous surface ships**

- **The world's first battery-electric autonomous sea drone**
- **Yara Birkeland, the world's first battery-electric autonomous container vessel**
- **Low emission ports**
- **New guidelines for concrete cast in water**
- **Stad ship tunnel**

13:00

CLOSING SESSION!

13:30 – 16:30

TECHNICAL VISIT