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# MAREC project

## IALA ENG8 WG3 presentation

### 2018-10-16



# MAREC Highlights

- The MAREC project will contribute to the ongoing work with SBAS standardisation for SOLAS and non-SOLAS applications both for navigations equipment and for AIS. The aim is to have guidelines for the implementation of SBAS in the maritime available, and to contribute to the work on test specifications.
- The project should create awareness of the benefits of using SBAS. The algorithms will be implemented and tested in a laboratory and in a real environment.
- The MAREC project will ensure that standardised SBAS enabled equipment are available in three product categories (SOLAS, non-SOLAS and AIS).
- Duration: 24 months until Q1-2020

# Description of the work – SOLAS and non-SOLAS

- The SBAS Guidelines will be implemented and tested in a Kongsberg **Seapos 320 unit for SOLAS** applications, and in a Kongsberg **DPS 132 unit for non-SOLAS** applications.





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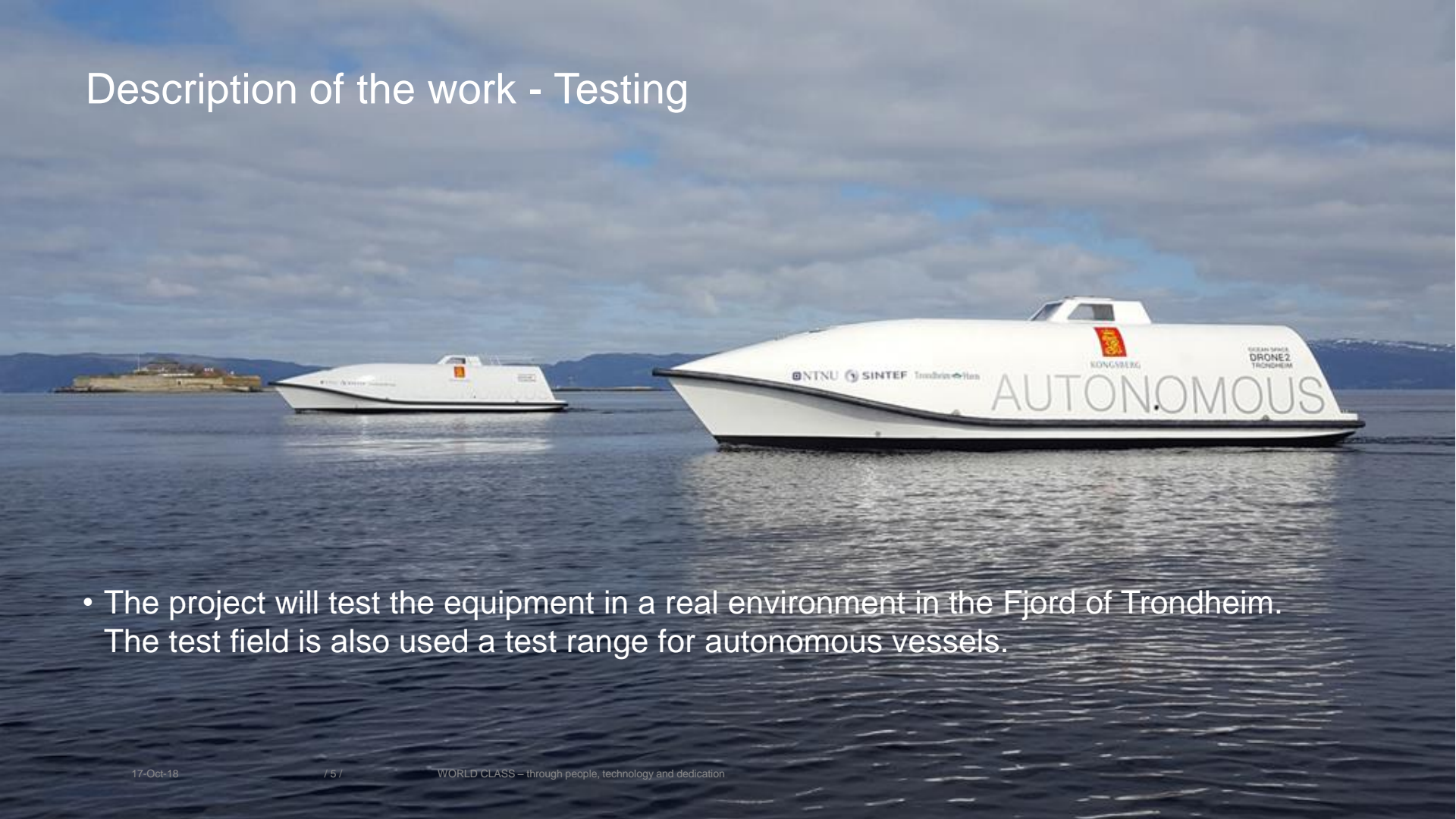
## Description of the work - AIS

- A Kongsberg AIS 300 unit will be used in the Sea Trials. The navigation performance will be compared, and recommendations will be made to the chipset manufacturer used by Kongsberg Seatex for the AIS mobile units





# Description of the work - Testing



- The project will test the equipment in a real environment in the Fjord of Trondheim. The test field is also used as a test range for autonomous vessels.



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## Other projects relevant to MAREC

- LIONS (EC)
- SEASOLAS (EC)
- SBAS4MAR (ESA)
- H2H (EC)
- AMNAS (ESA)



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