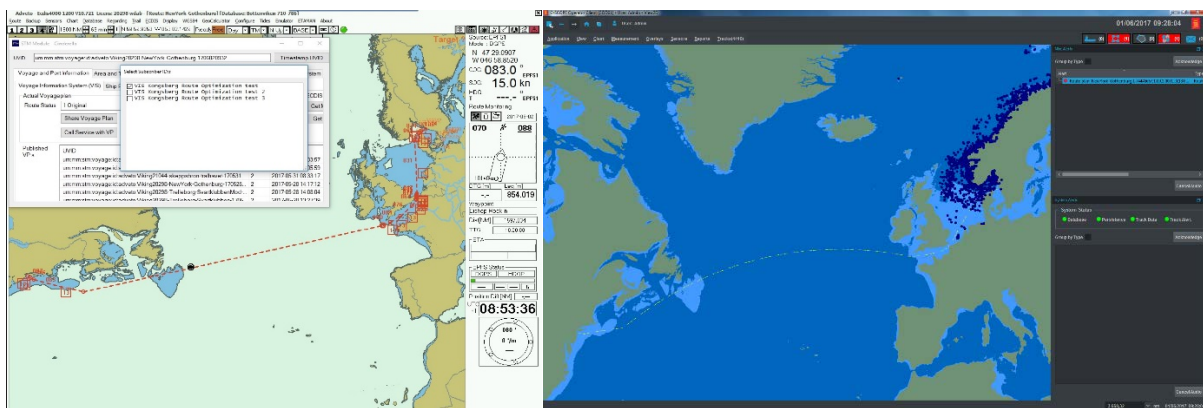


Interoperable ship and shore centre services

The STM Validation project has made the first operational tests with the shore centre manufacturers. The key to the interoperability between different systems is the robust underlying infrastructure. The standardised information exchange mechanism makes it possible for actors to connect seamlessly at the first attempt and without any discussions on formats, interfaces or communications means.



The Adveto ECDIS route on the ship to the left appears in the Kongsberg Shore Centre application to the right. The difference in route leg appearance is due to different chart projections.

The successful operational test started with the Adveto ECDIS system doing a look-up of the Kongsberg Norcontrol Shore Centre services in the service registry. The ship then shared the voyage plan, which was instantly available in the shore centre for checking, monitoring, confirmation, new suggestions, etc. The underlying Sea Traffic Management (STM) and Maritime Cloud infrastructure managed a secure and trusted transmission directly between authenticated actors.

Kent Sylvén, CEO Adveto says "Connecting the ECDIS with real-time secure services from any STM-compatible service provider on shore can improve the decision-support for bridge officers. I have no doubt that STM also will reduce costs and improve economy for all involved parties. Furthermore I believe that STM also can reduce accident rates."

Lene Vesterlund, VP Marketing and Sales Kongsberg Norcontrol states "For Kongsberg Norcontrol, STM is a chance to expand our business by delivering services that will increase the efficiency and safety of the maritime transport system worldwide. We can connect machine-to-machine, through standardized interfaces, with on-board systems from all manufacturers."

The shore centres in the STM Validation test bed will support ships with services that will increase the safety for the ship and its surroundings and improve the efficiency of the



Press Release, 16 June 2017

transport system. Studies indicate more than 60 % reduction of human related accidents and €100 millions of savings.

The STM test beds will include 300 ships, 13 ports and at least 5 shore centres.

Seaing is believing!

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www.stmvalidation.eu

STM connects and updates the maritime world in real time with efficient information exchange. In the 60s the standardised container revolutionised shipping. The next revolution is the containerisation of information – creating a safer, more efficient and environmentally friendly maritime sector.



Co-financed by the European Union
Connecting Europe Facility