

## **EU-funded autonomous vessel project progresses**

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An EU-funded research project which aims to create conditions for autonomous vessel navigation is in its Concept Definition phase and will move on to the Technology Adaption and Integrations Work Package (WP03) this summer. Hull to Hull (H2H) was established in November 2017 to develop technical solutions for safer navigation in close proximity of other stationary or moving vessels and objects.

The project is being coordinated by Kongsberg Seatex, a subsidiary of Kongsberg Maritime. Project partners include SINTEF Ocean, SINTEF Digital, KU Leuven and Mampaey Offshore Industries.

H2H aims to create a system that will allow proximity zones to be set for own vessels as well as neighbouring objects, with high precision and high integrity.

H2H is divided into nine work packages, of which four are led by Kongsberg Seatex. The pilot system will be developed in WP03, where the main objective is to define precise sensors and communication systems and develop an integrated solution. The solution will be implemented using protocols and 3D models described in the concept. The project will also research specific needs related to auto-mooring and inland waterways, perform lab testing of various sensors and technologies and develop test scenarios for demonstrations scheduled for 2019 and 2020 in Norway's Trondheimsfjorden, in Rotterdam harbour and inland waterways in Belgium.