

## **Towards Assurance of Autonomous Ship Navigation Systems**

With the potential to increase safety and efficiency while reducing environmental impact, autonomous technology is expected to have a major impact on how we move goods and people around the world's oceans in the future. Similar to application of autonomous technology in other sectors, one of the greatest challenges to autonomous shipping is to be able to provide solid grounds of confidence that such systems are able to reach the required safety levels. To enable this, new tools, processes and strategies for assurance will be needed and DNV is in the pursuit of developing a tailored assurance framework for this purpose.