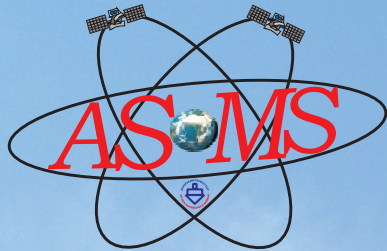


ASSISTANCE SYSTEM OF PILOTAGE and STEERING PROCESSES BY SHORE BASED NAVIGATIONAL FUNCTIONS

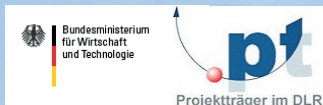
Advanced Sailing Management System
using GALILEO based Service



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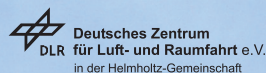
Sponsored and supported by:



Aims

- Development of navigational services for shipping
- Development of Remote Control Elements for Pilotage
- Ship and Shore Communication
- Satellite based Navigation Support

Research Partner:



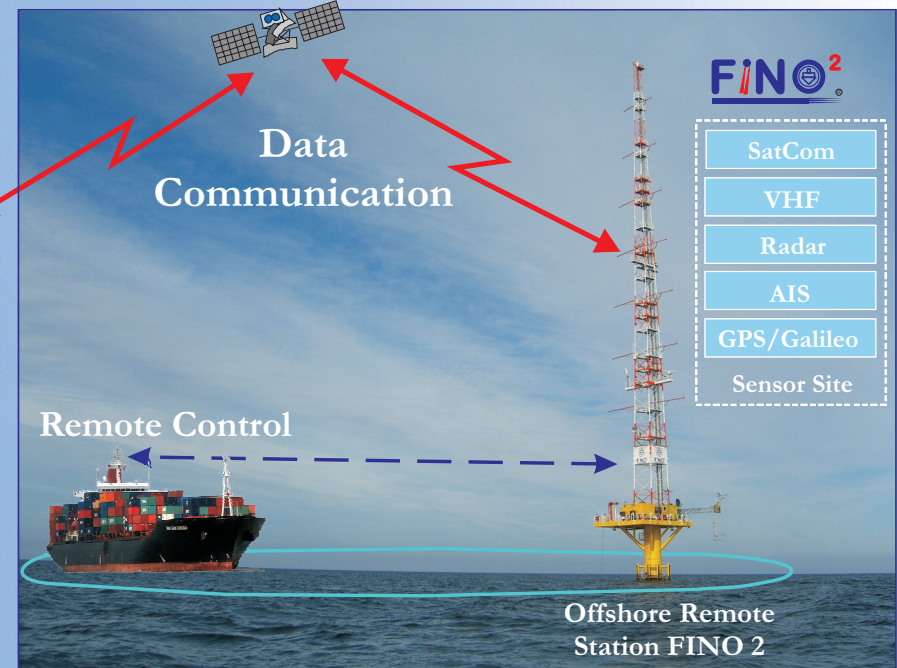
Shore Station



Shore Based Pilotage



Galileo Research Port Rostock



Advantage

- Development of coordinating system architecture for collision avoidance
- Overall analysis of base and process technologies (GNSS based locating, remote data transmission between ship and ashore and ship navigation)
- Increasing of the safety of navigation particularly in regions with a large volume of traffic (shall waterways, limits of port, channels)
- Use of Location Based Augmentation System to increase the GNSS efficiency of the ASMS demonstrator in the Galileo research port Rostock