

EUROPEAN SPACE WEEK

#EUSpaceWeek

ONLINE EDITION

MASS and GNSS

Maritime and Ocean Monitoring

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Organised by:



European
Global Navigation
Satellite Systems
Agency



Under the auspices of:



EU Space Programme:



Copernicus

EGNOS



Autonomous ships are coming



Replace short distance road transport



Inland waterways

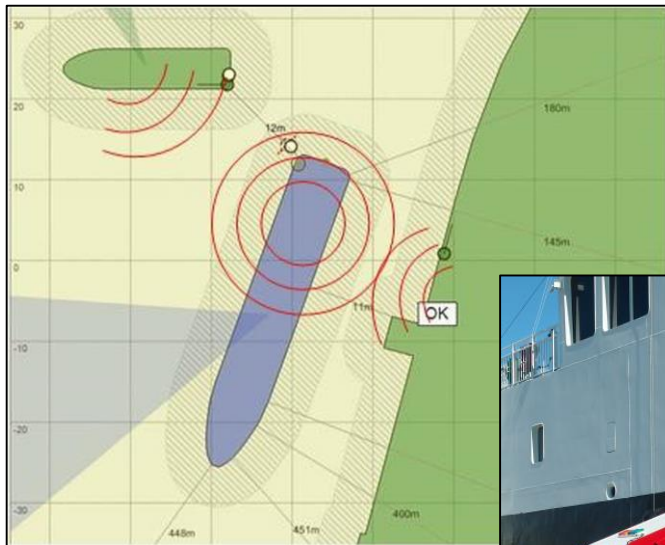


Aquaculture/wind/off-shore service



Automatic tugs

Two main requirements



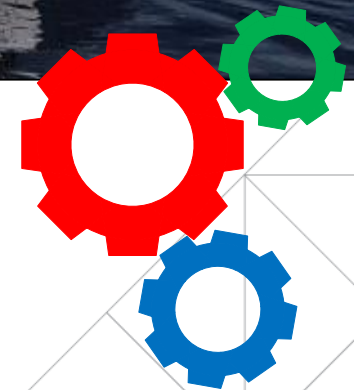
Accuracy & availability:

- Berthing
- Charging
- Hull to hull



Authentication & integrity:

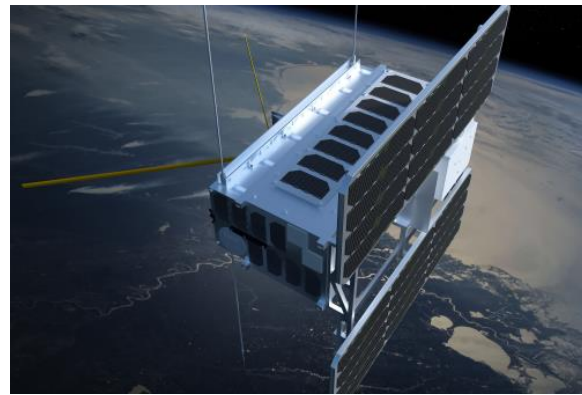
- Full automation
- No human in the loop
- No sanity checks



Some additional possibilities



Novel communication systems



IoT emergency communication
AIS tracking



Observation
Data driven navigation

Linking space to user needs



How to get in touch:



European
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www.GSA.europa.eu



EGNOS-portal.eu



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