Research and Innovation

- taking the Swedish Maritime Administration and the maritime sector into the future

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The Swedish Maritime Administration (SMA) is an authority and public enterprise within the transport sector, responsible for maritime infrastructure and services connected to maritime transport.
Objectives of Research and Innovation

• R&I develops services, products and operations of SMA
• R&I contributes to sustainable, safe and efficient maritime transport
• R&I strengthen the competitiveness of maritime transport
Focus areas of R&I

• Digitalisation
• Automation
• Positioning
• Information sharing
• Sea Traffic Management
Digitalisation and Sea Traffic Management
- A prerequisite for a sustainable and integrated transport system
Benefits of R&I within SMA...

Why R&I?
Examples of R&I: VTS and pilotage

- STM in practice
- RESKILL och F-AUTO
- Increased automation of pilotage services ordering and planning
- Shore-based navigational assistance
- Autonomous safety
Examples of R&I: SAR and icebreaking

- STM in practice
- New sensor technology for SAR
- New technology for competence building and trials
- Winter navigation research programme with Finland
Examples of R&I: fairways, aids to navigation and hydrography

- Robust positioning
- Digital and connected fairways
- Broadband at sea
- UKC Management
- New methods for hydrographic surveys
The maritime simulator centre and the Simulator Network

STM Validation Project
The STM Validation Project will demonstrate the STM concept in large-scale test beds in both the Nordic and Mediterranean seas, encompassing around 300 vessels, 12 ports and 6 shore-based service centres as well as using the European Maritime Simulator Network.
Requirements for long-term R&I at SMA

- External and internal focus
- Long-term financing
- Close collaboration within the organisation
- Close collaboration with the private sector, other authorities and academia
- International cooperation
- Continued high ambition, engagement and positive energy among experts and management
THINK DIFFERENT
MAKE THINGS HAPPEN
MAKE A DIFFERENCE