

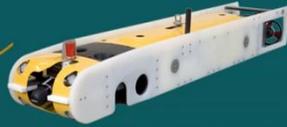
CENTRE OF EXCELLENCE FOR UNDERWATER SYSTEMS



SAAB



SUBROV



SABERTOOTH



SABERTOOTH
DOUBLE HULL



DOUBLE EAGLE
MkII SAROV



DOUBLE EAGLE
MkII PVDS



FALCON



COUGAR



JAGUAR



LAUNCH & RECOVERY SYSTEMS



SONAR & SONAR UPGRADE



TORPEDO 62



AUV62-AT



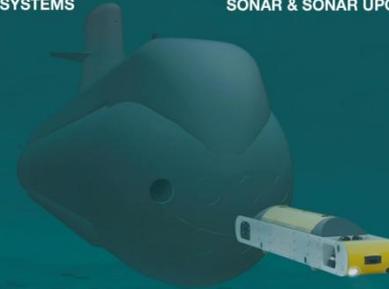
TORPEDO 617



AUV62-MR



TORPEDO 45

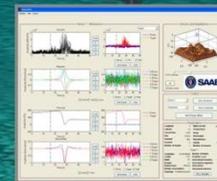


DIVER DETECTOR

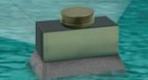
DIVER INTERCEPTOR
SYSTEM



SEA MINE F80



SIGNATURE
MEASUREMENT SYSTEM
UDAS/MOUSE



HULL INSPECTOR



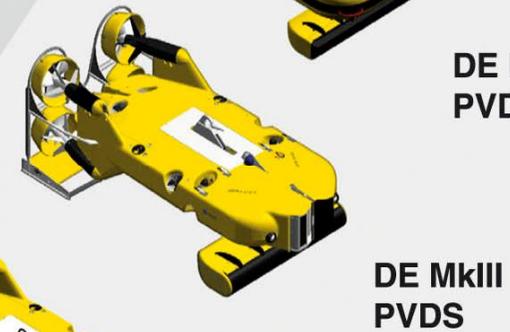
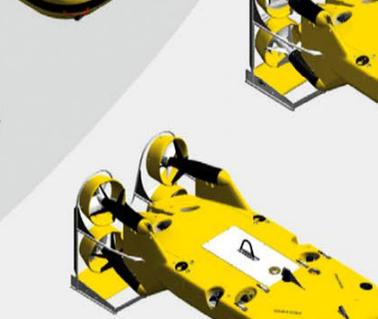
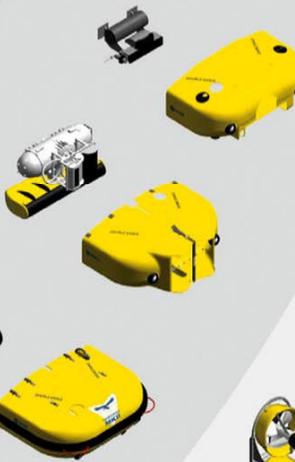
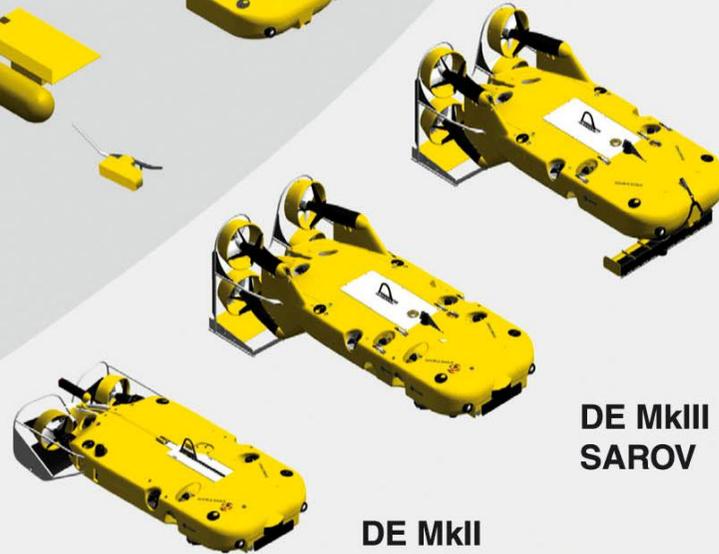
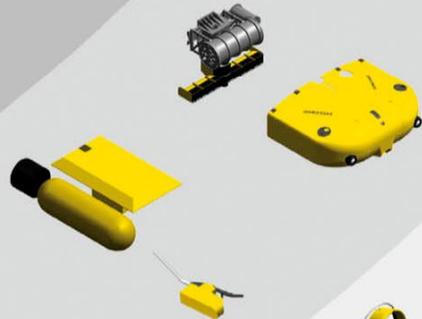
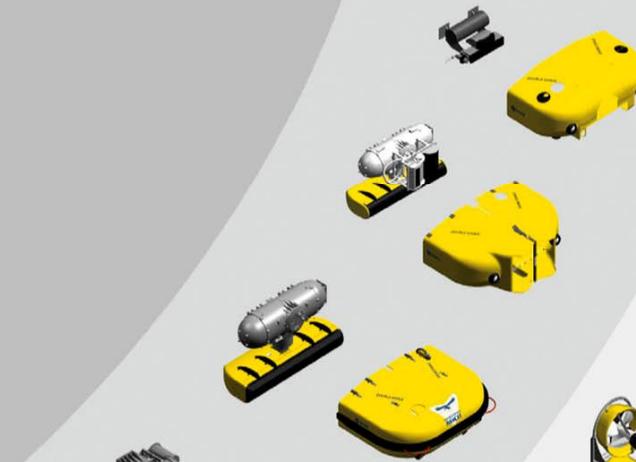
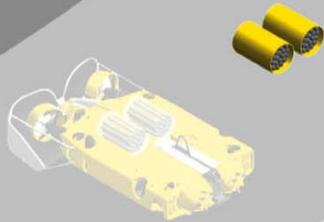
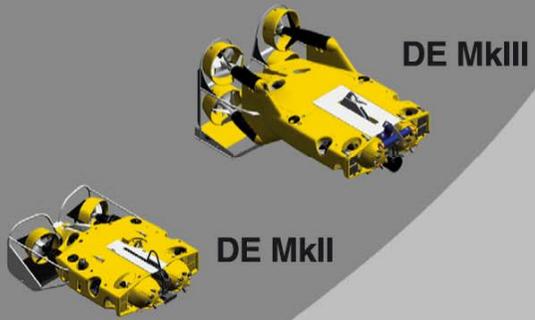
SAAB

PROPULSION PACKAGES

ENERGY PACKAGES

PAYLOAD (SAMPLES)

VEHICLE CONFIGURATION



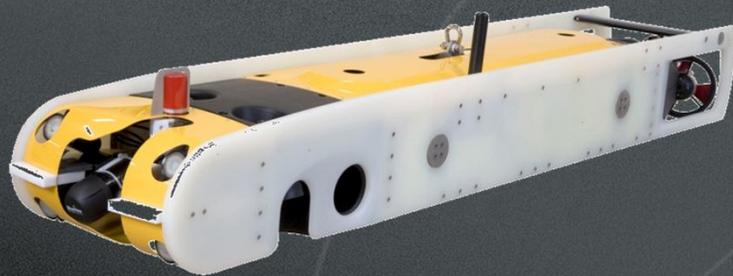
DOUBLE EAGLE SAROV

- Medium range autonomous
- Extremely high manoeuvrability, 360 degrees in pitch and roll
- Hovering capability

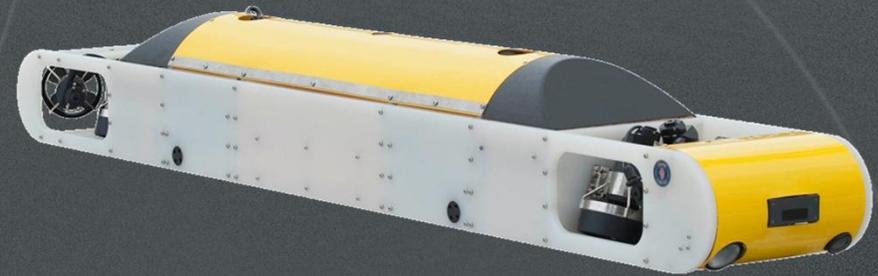


AUV Systems

Open Frame Configuration



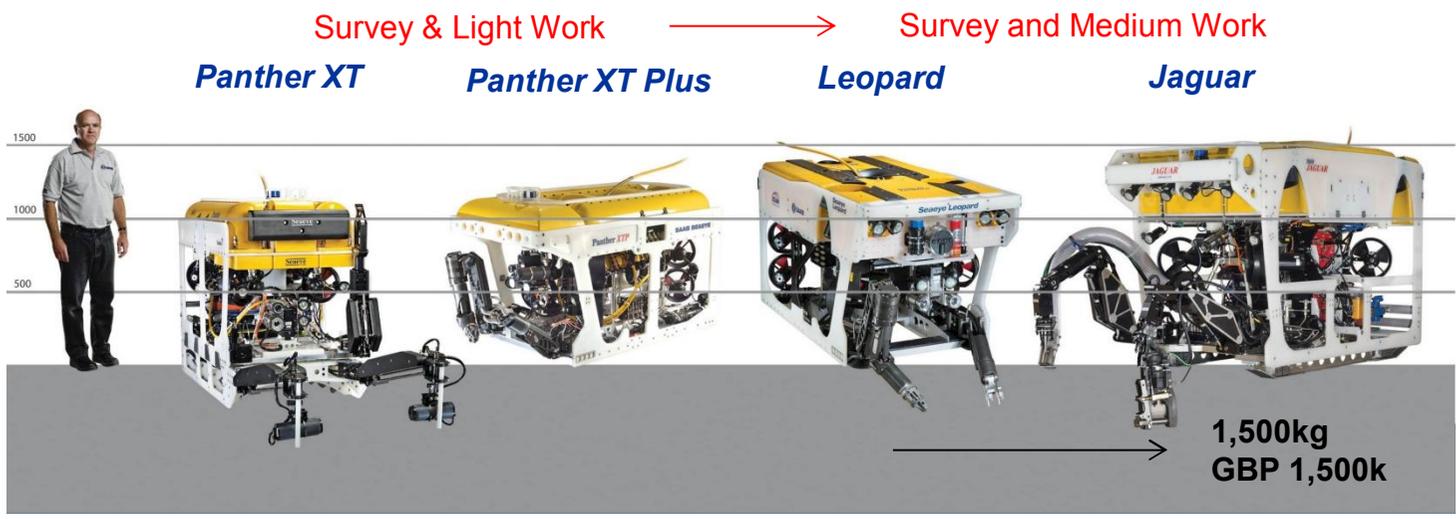
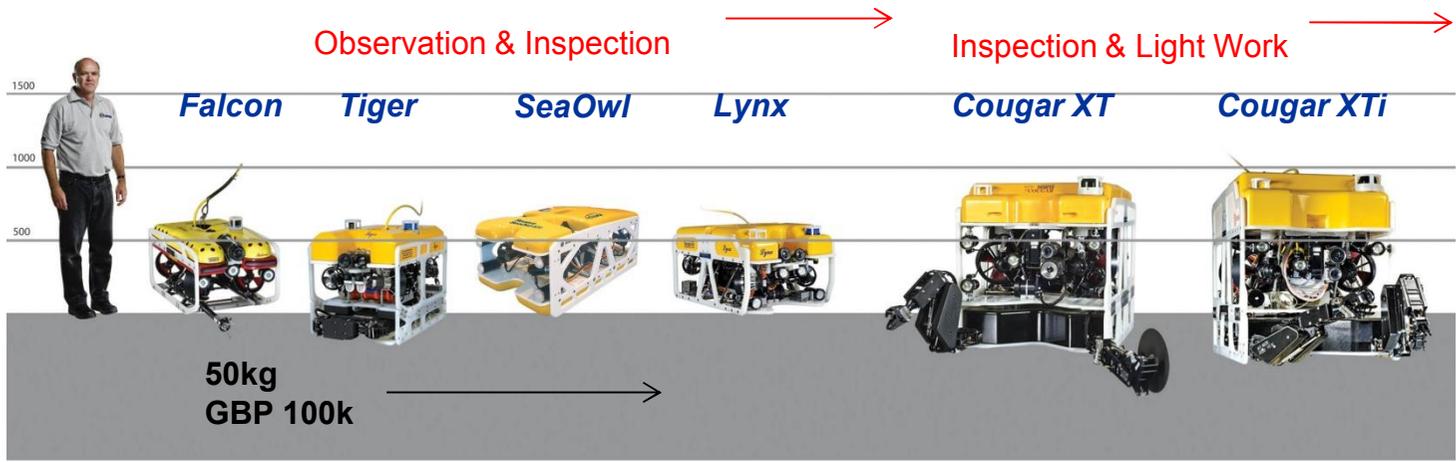
SABERTOOTH



SUBROV

COMMERCIAL ELECTRICAL ROVs

WORLD MARKET SHARE >50%

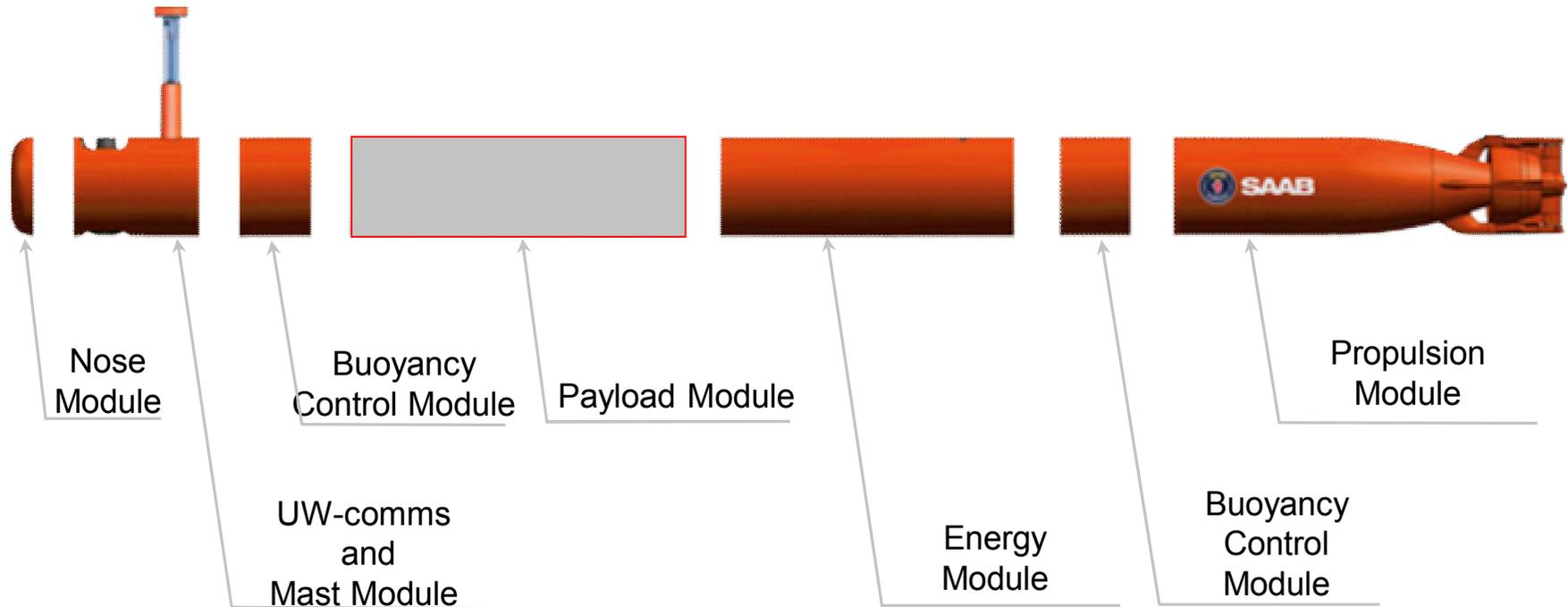


AUV62 Basic Vehicle



- **Defence related Missions**
 - Submarine Launch
 - Low Signature
 - Stable
 - Long Duration

AUV62 Basic Vehicle

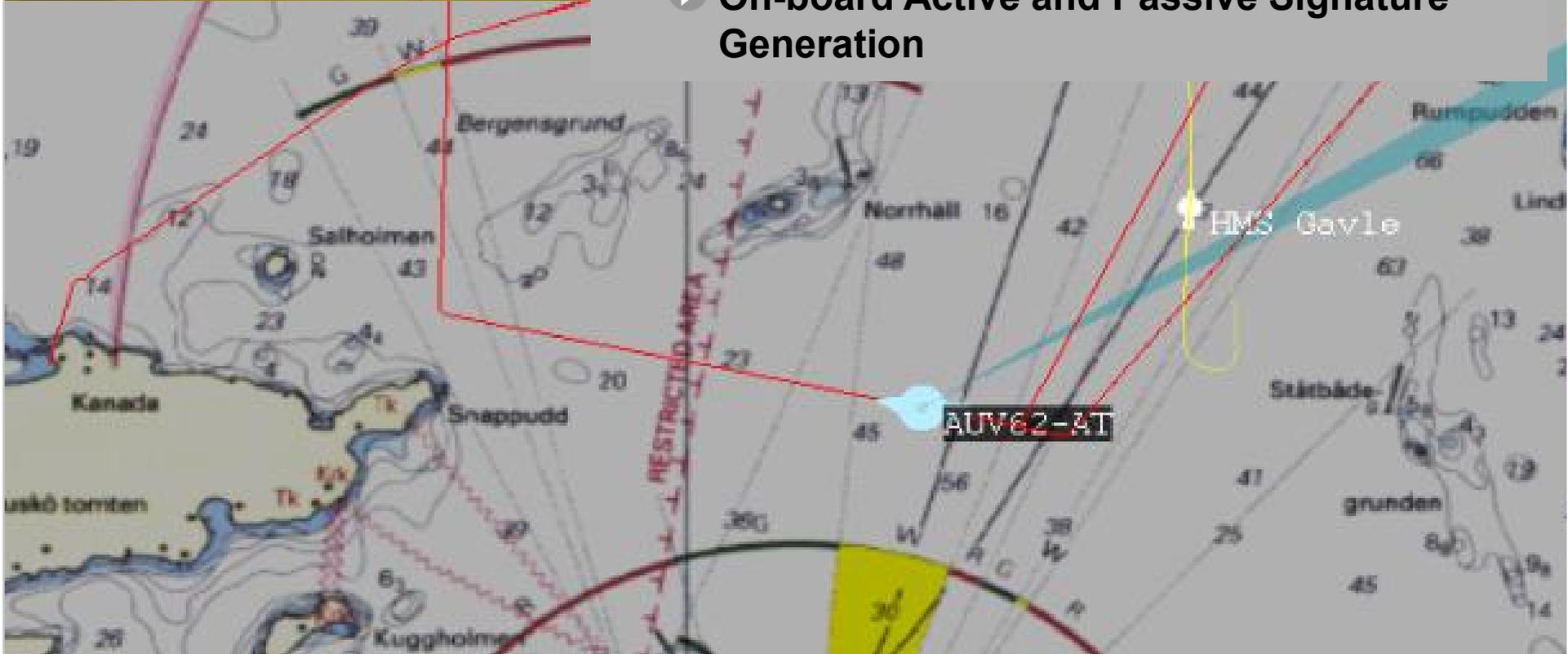


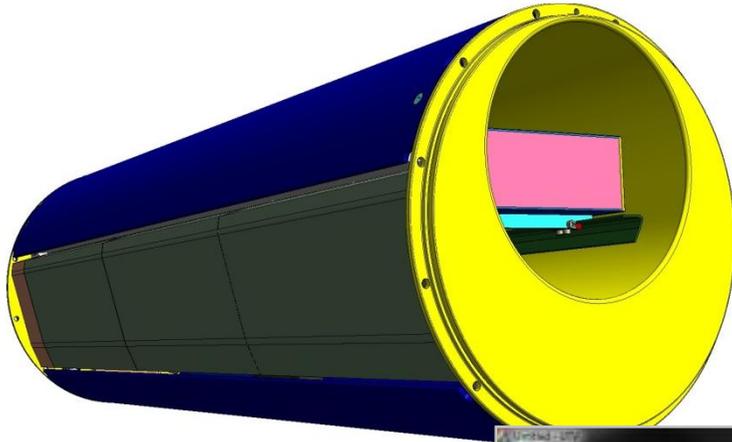
- ▶ A number of Basic Modules that are common to most Services
- ▶ One Planning & Evaluation Tool
- ▶ One Workshop Setup



Payload for ASW Acoustic Target

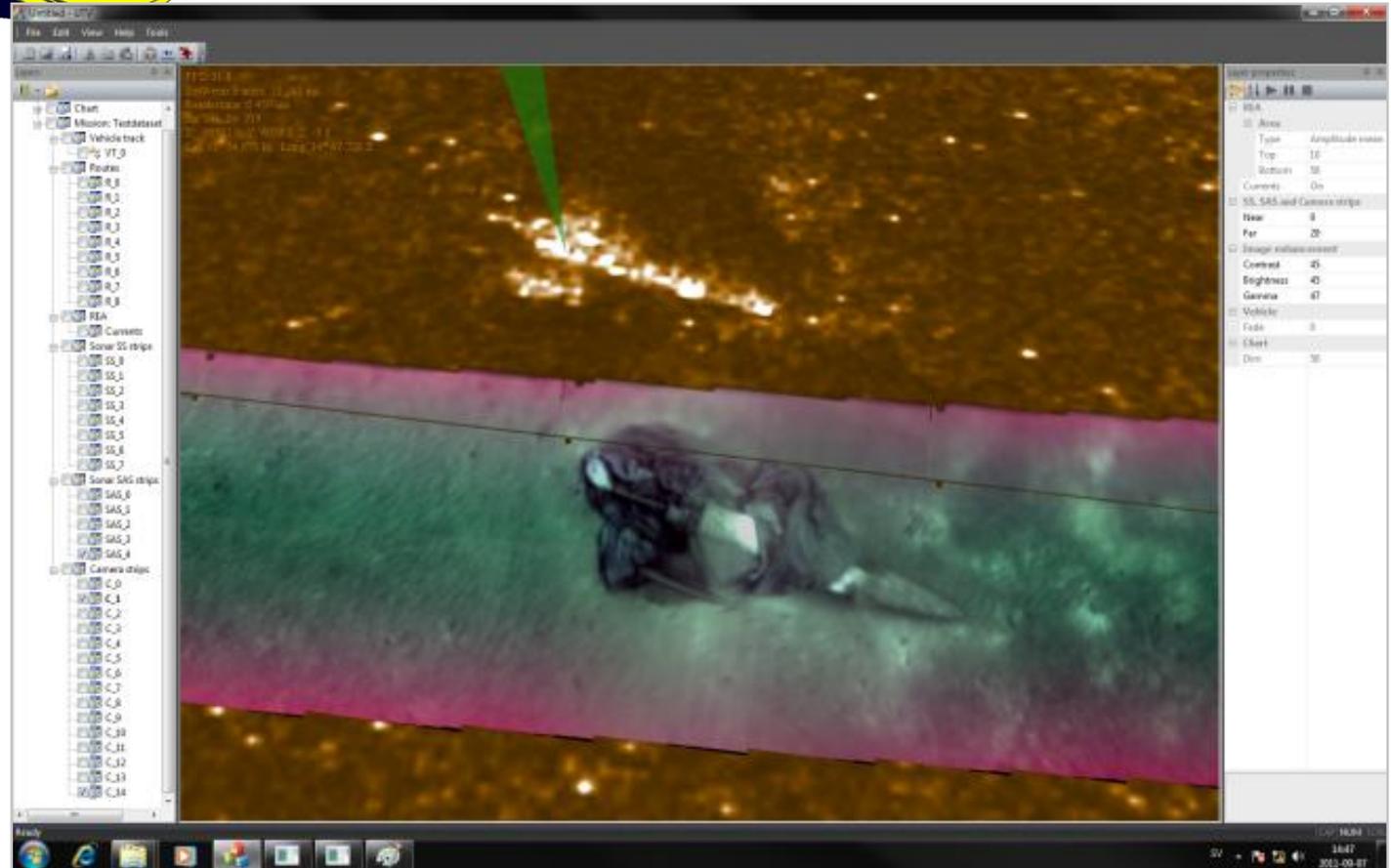
- ▶ Hull mounted Hydrophones for Echo Repetition
- ▶ Low-, Medium- and High-frequency Transducers for Echo, Noise and Tonal Transmission
- ▶ Transducer Electronics
- ▶ On-board Active and Passive Signature Generation





► Payload for Mine Reconnaissance (MR Configuration)

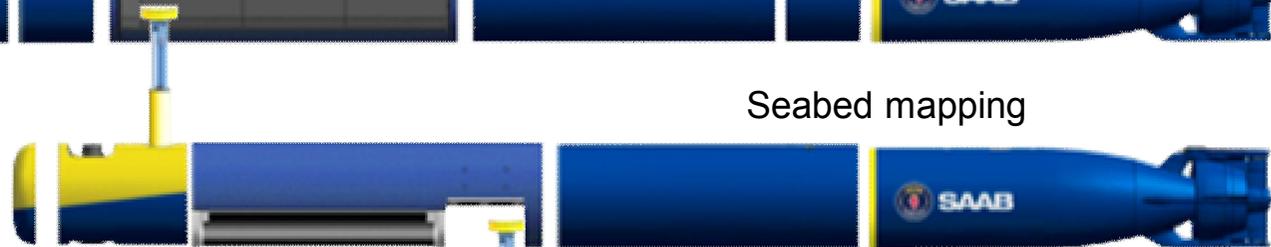
- Dual Multi-element Interferometric Side looking Sonar
- Conventional Beamforming for REA
- On-board SAS Processing
- On-board CAD/CAC Processing
- Camera for Target Identification



AUV62



Mine Reconnaissance



Seabed mapping



Environmental Monitoring



Training Target



Torpedo Mine Configuration, one Payload

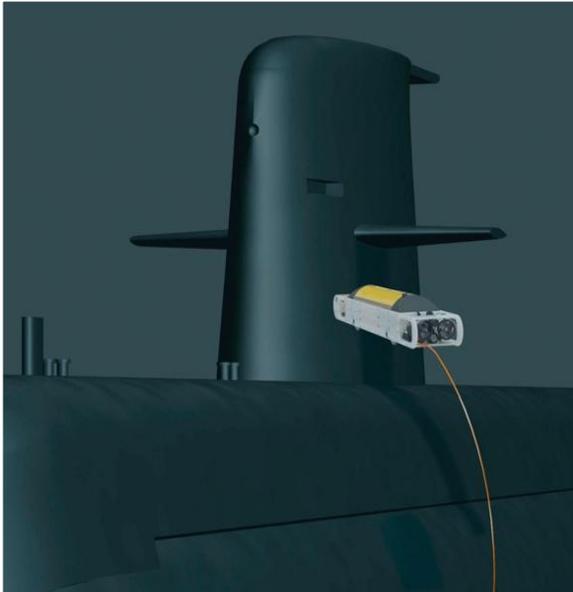
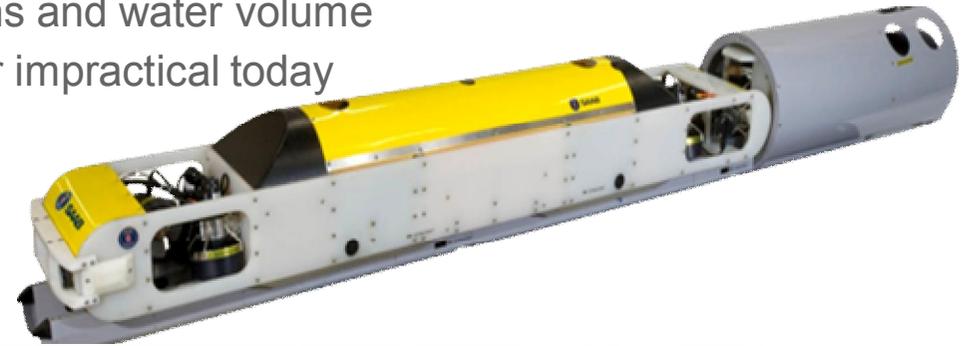


Torpedo Mine Configuration, two payloads

SUBMARINE BASED ROV SUBROV

Covert, Safe and versatile

- Visual inspection of the submarine itself
- Inspection of seabed, berthing locations and water volume
- New procedures that are impossible or impractical today
- Wide range of tools available
- AUV recovery
- Covert operations



A modular AUV gives the possibility to add capability to existing platforms as well as the possibility to find lower cost solutions for new platforms to be designed and built

A joint further development of the AUV62-concept can be a win win situation for both Saab and an Indian partner

