



SeaCat Hybrid Autonomous Underwater Vehicle System



Key Features

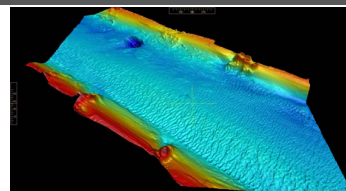
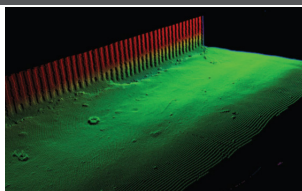
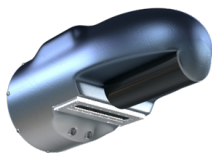
- **Fast Mobilisation**
due to low infrastructure requirements
- **Excellent Handling Qualities**
building on excellent manoeuvrability and field-proven launch and recovery systems
- **Adaptivity**
field-exchangeable sensor technology – SwapHeads
- **Accurate Navigation**
as basis for highest hydrographic performance
- **Hybrid Operation**
allows for operator-guided inspection of objects
- **Perception of the Environment**
allows for relative navigation in ROV mode and obstacle avoidance
- **Multiple Communication Channels**

... a sound decision

SeaCat – Expand Capabilities by Plug & Play SwapHeads

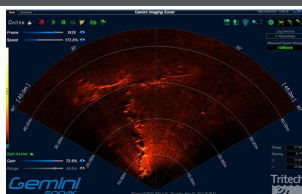
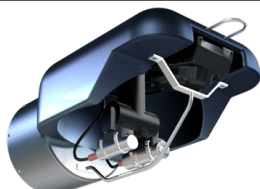
SURVEY HEAD

Hydrographic surveys according to highest standards



INSPECTION HEAD

Real-time data transmission for immediate point-of-interest inspection



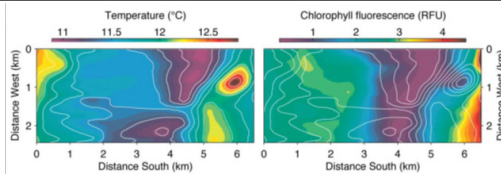
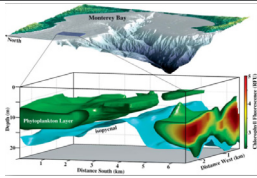
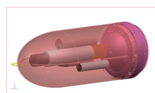
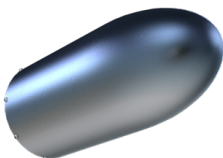
Sonar data

Video data



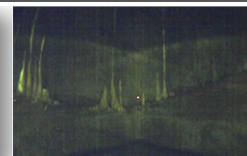
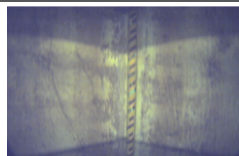
WATER QUALITY HEAD

Extended environmental monitoring by measuring distribution of chemical/ organic matters



TUNNEL INSPECTION HEAD

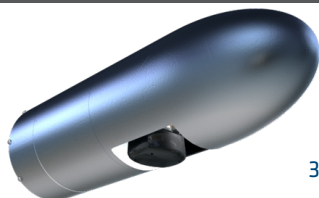
Have a look into the inside of water supply ducts!



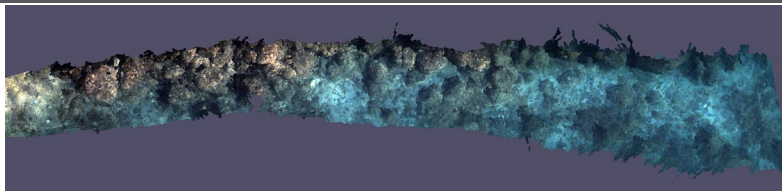
Example video data: Tunnel inspection „Albstollen“

HARBOUR INSPECTION HEAD

High technology enables the inspection of quays, berths and other underwater structures

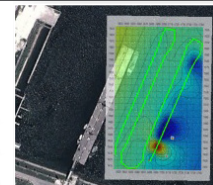
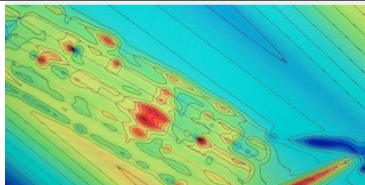
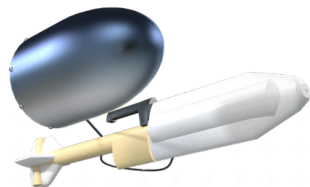


360 ° rotatable



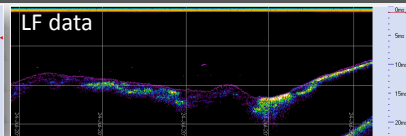
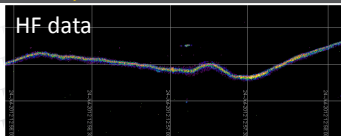
GEO MAGNETICS HEAD

Detecting metal buried in the sediment



SUBBOTTOM HEAD

The acoustic view into the sediment helps during archeological, geological and military tasks



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