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

Length 2.5 - 3.0 m
Hull diameter 0.324 m
Weight 180 kg
Depth rating 600 m
Payload up to 35 kg
Endurance up to 10h @ 3kts

... a sound decision
SeaCat – Expand Capabilities by Plug & Play SwapHeads

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<th>HEAD</th>
<th>Feature</th>
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<td>SURVEY HEAD</td>
<td>Hydrographic surveys according to highest standards</td>
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<td>INSPECTION HEAD</td>
<td>Real-time data transmission for immediate point-of-interest inspection</td>
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<td>WATER QUALITY HEAD</td>
<td>Extended environmental monitoring by measuring distribution of chemical/organic matters</td>
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<td>TUNNEL INSPECTION HEAD</td>
<td>Have a look into the inside of water supply ducts!</td>
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<td>HARBOUR INSPECTION HEAD</td>
<td>High technology enables the inspection of quays, berths and other underwater structures</td>
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<td>GEO MAGNETICS HEAD</td>
<td>Detecting metal buried in the sediment</td>
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<td>SUBBOTTOM HEAD</td>
<td>The acoustic view into the sediment helps during archeological, geological and military tasks</td>
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Example video data: Tunnel inspection „Albstollen“

- 360 ° rotatable

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