

Fig. 1 - Operative Scenario 1 – Ship support at any water depth; typical docking depth: 50 m

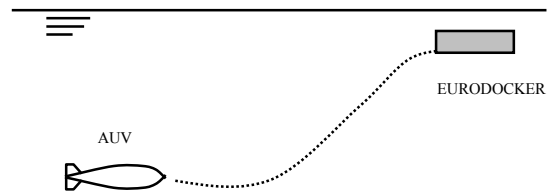


Fig. 2 - Operative Scenario 2 - Coastal waters; typical docking depth: less than 200 m

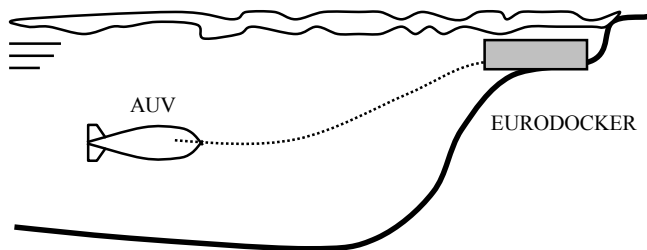


Fig. 3 - Operative Scenario 3 - Ice infested waters (Antarctic, Arctic); typical docking depth: less than 100 m

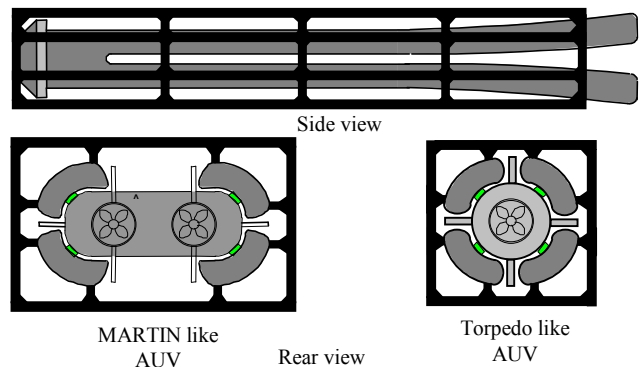


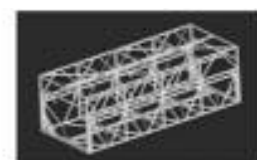
Fig. 4 – Four sector modular garage concept

Design Concept

- AUV specialized Support Structure
- Universal Modules



AUV (MARTIN)



Support Structure

Modules



Release System



Locking Device



Bumper Element



Reference System



Water Bags



Connector



Buoyancy System



Docking Sensors



Control Unit



Acoustic Comm.



Simulation



MMI

Fig. 5 – Design concept

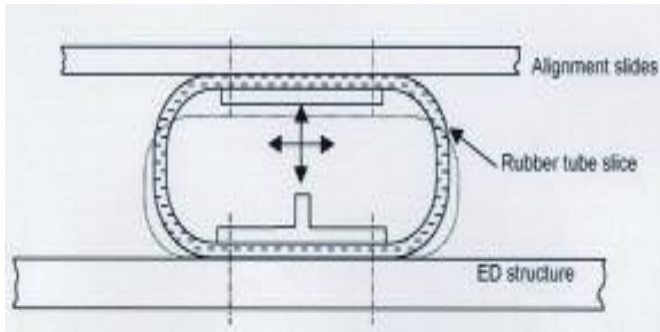


Fig. 6 – Bumper system

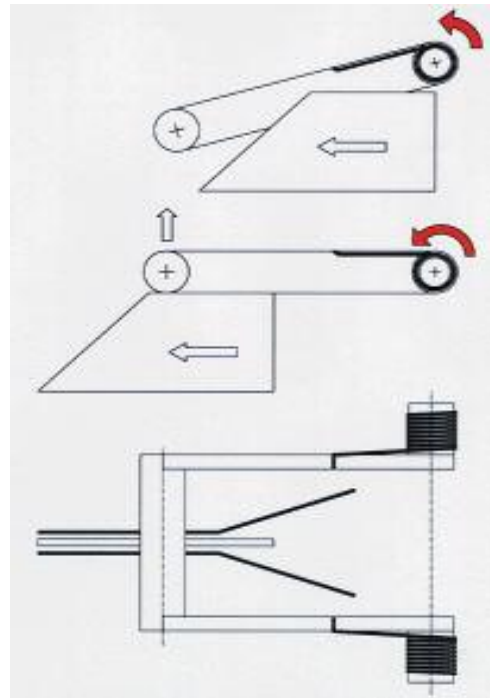


Fig. 7 – Docking reference system

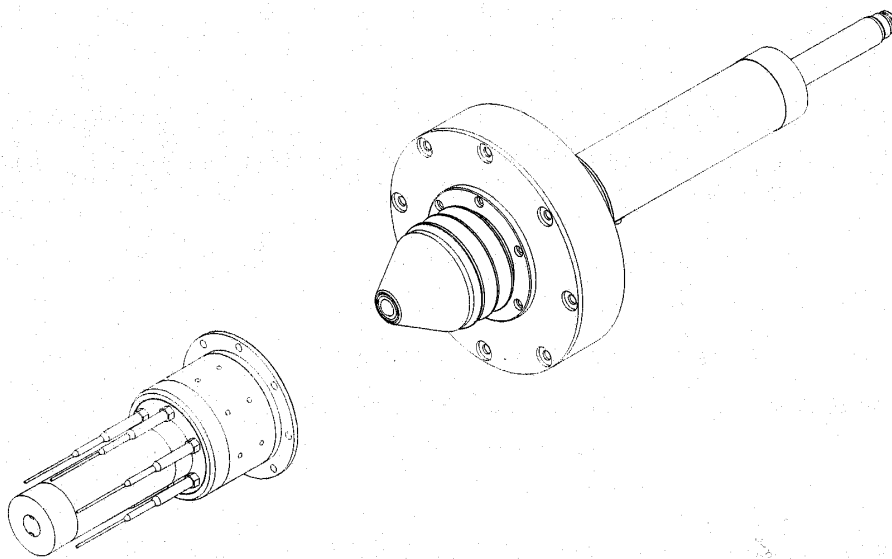


Fig. 8 – Underwater mateable connector

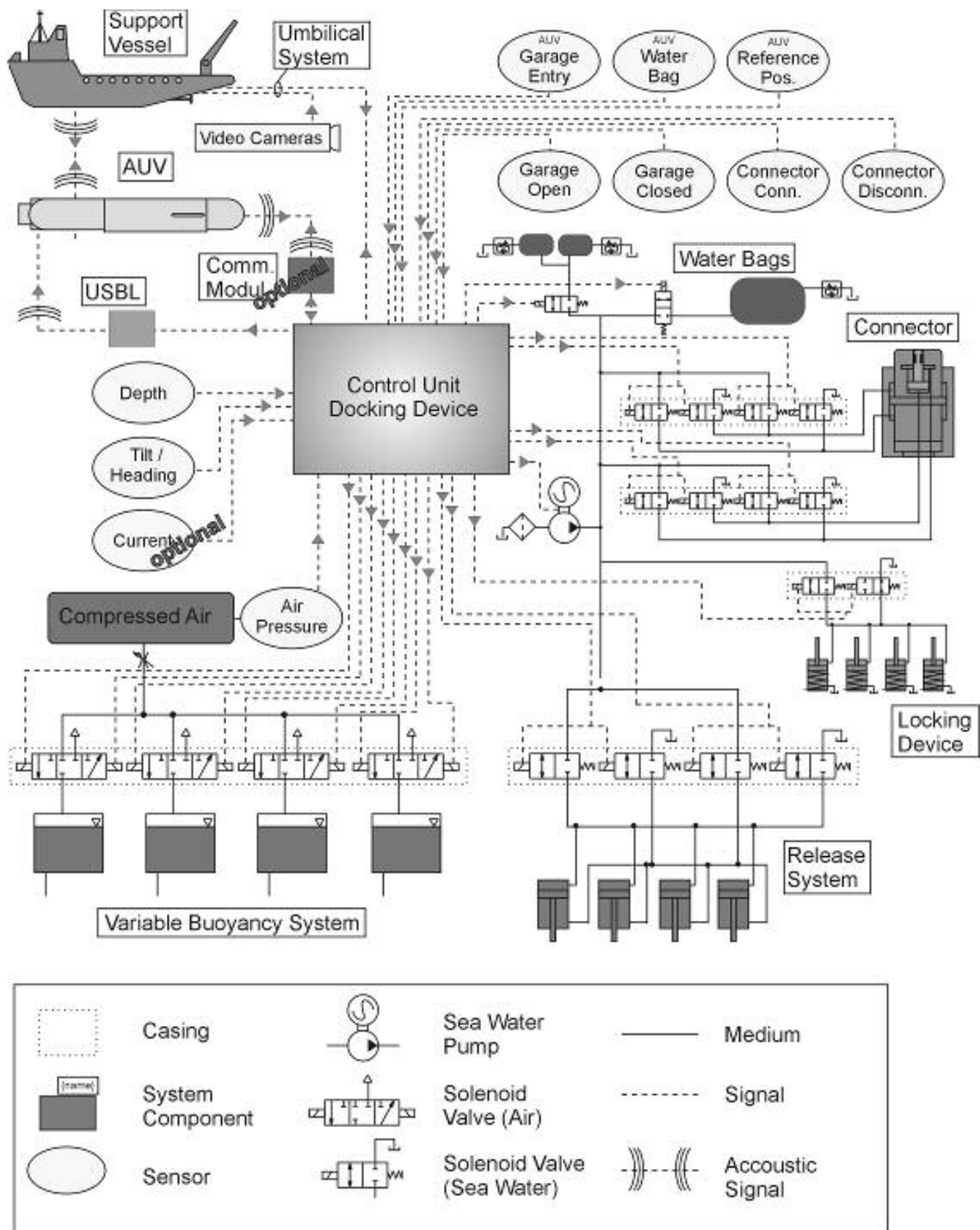


Fig. 9 – Control system

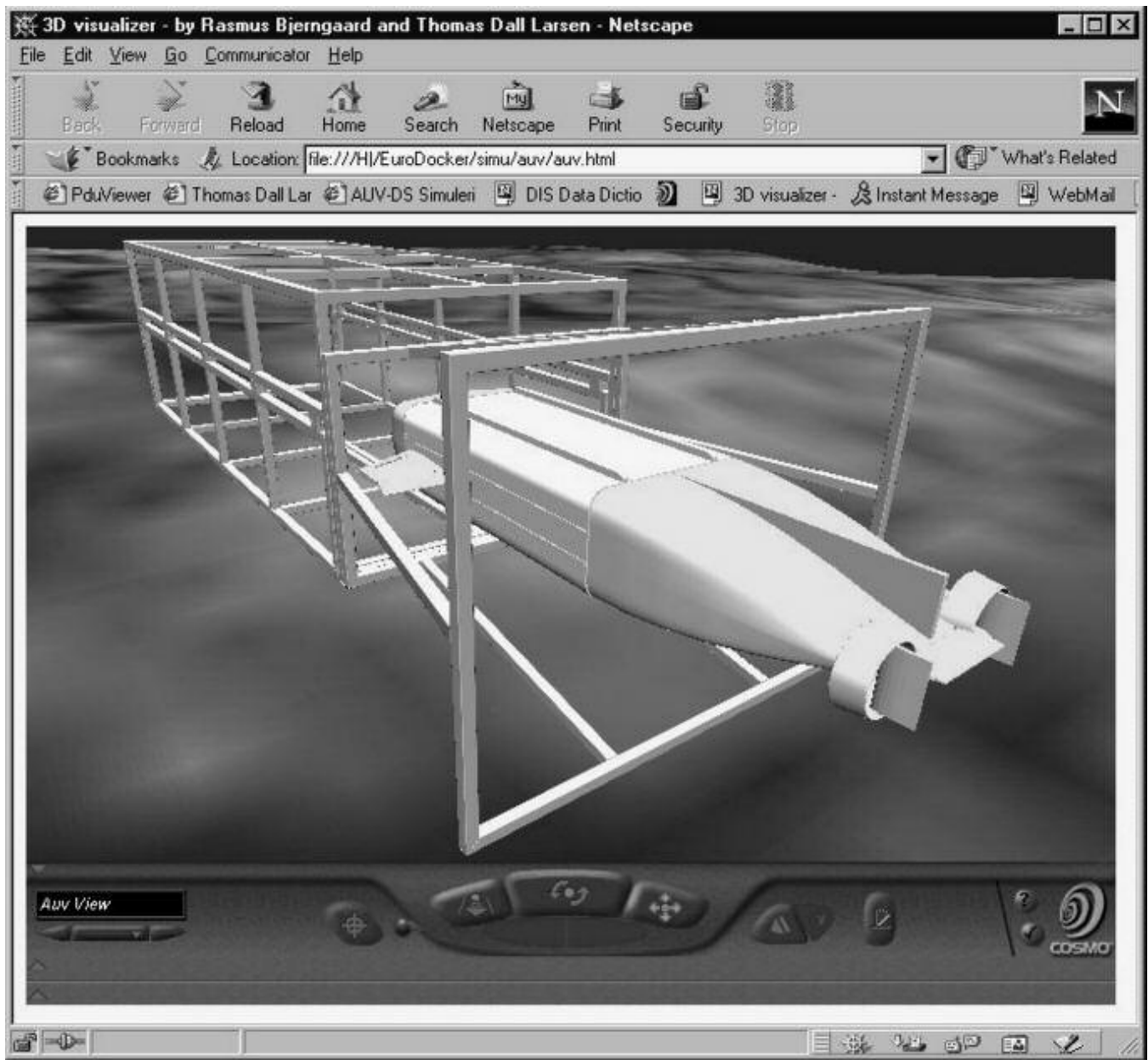


Fig. 10 – Simulation