

SUBMARINE DIVING SIMULATOR



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HAVELSAN's state-of-the art Submarine Diving Simulator (SDS) is designed and developed for the training of subsurface/surface operations and procedures of the Type 209 1400T submarines in order to achieve a maximum mission capability. It provides a cost-effective solution compared to real submarine training.

FEATURES

- ▶ High Fidelity Mathematical Model for Simulating The Hydrodynamic Behaviour
- ▶ Full Replica of the Manoeuvring Room
- ▶ Functional Replicas of Panels and Control Systems
- ▶ Two Axis Motion System for Trim and Roll Manoeuvres Up To 45°
- ▶ External and In-Cabin Instructor-Operator Stations (IOS) and Debriefing Station
- ▶ Trainings of Crew in Conflict and Extreme Stress Situations Under Realistic Conditions
- ▶ Trainings of Normal and Emergency Procedures within the Entire Operation Range

TRAINING CAPABILITIES

- ▶ Diving and Surfacing Trainings
- ▶ Charge and Discharge Trainings
- ▶ Underwater Trainings Up To Maximum Diving Depth
- ▶ Diving Depth Control
- ▶ Navigation at Different Depths, Static Surfacing and Diving Procedures
- ▶ Course Change and Rudder Effects
- ▶ Rotation at Different Steering Angles and Speeds
- ▶ Effects of Bow and Aft Hydroplanes
- ▶ Navigation with Snorkel
- ▶ Depth Control at High Speeds
- ▶ Trim Procedures
- ▶ Effect of Density Difference
- ▶ Effects of Sea Conditions, Stream and Bottom Structure on Subsurface and Near-Surface Navigation
- ▶ Effect of Raising/Retracting Snorkel, Navigation and Attack Periscopes
- ▶ Torpedo Firing Effect

