

The logo for AMS Marine Simulation features the letters 'AMS' in a large, bold, light blue font with a slight 3D effect. Below it, the words 'MARINE SIMULATION' are written in a smaller, dark blue, sans-serif font. The background is a gradient of light blue to white.

AMS

MARINE SIMULATION

SEAMAN

INSTRUCTOR CONSOLLE

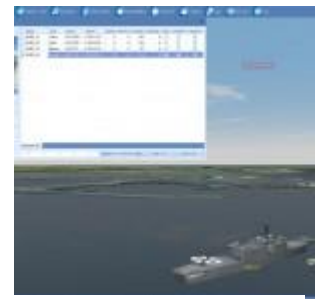
DESCRIPTION



Sea Manager is the tactical station that provide to manage:

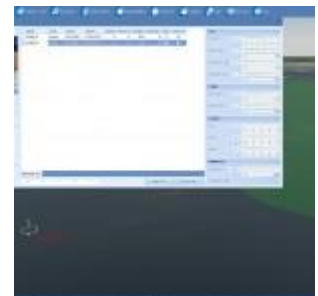
1. Scenario:
 - 3D Visualization georeferenced Map:
 - Orography
 - Harbour
 - Sea navigation signals
 - Open 3D Database system to import external 3D Database
2. Vehicles:
 - Positioning
 - Advanced Physics for surface vessels
 - Simplified Physics for areal, undersea and ground vehicles
 - Open UDP protocol to communicate with other physics engine
 - Bird view
 - Synoptic view
 - 100 Manned Targets
 - 15 Manned Ship. Is possible use all ships as own ship.
 - Ocean navigation
 - Harbour navigation
 - AIS (Automatic Identification System) targets
3. Environments:
 - Weather:
 - Realtime weather
 - Simulated weather:
 - Zone weather
 - Global weather
 - Ocean parameters:
 - Waves Height

- Waves amplitude
- Waves period
- Wind:
 - Intensity
 - Direction
 - Type:
 - Continuous
 - Gust
- Currents:
 - Intensity
 - Direction
- Rain/ Snow:
 - Intensity
 - Direction
- Clouds:
 - Cirrus
 - Stratus
 - Cumulus
 - Cumulonimbus
 - Alto cumulus
- Day Time:
 - Georeferenced Day time
 - Simulated Day time:
 - Realy velocity Time
 - Increase/decrease velocity Time



4. Physics:

- Small and medium ship custom advanced high speed physics engine:
 - Ship length : 2-50 mt
 - Waves interection
 - Buidings interection
 - Wind interection
 - Current interection
 - Sea bed interection
 - Ship / target waves interection
 - Own ship waves interection
 - Propeller forces
 - Rudder forces
 - Thrusters forces
 - Pod forces
 - Inteceptor/Flap forces



5. Failures:

- Rudder failure
- Engine failure
- Engine reduced RPM
- Inteceptor/Flap failure
- Thruster failure
- All Indicator failure

6. Communication:

- Standard Open UDP protocol
- OwnShip 6DOF
- Ship 6DOF
- Target 6DOF
- Special communication with IBR Simulation module:
 - SeaVis
 - RadSim 300
 - VI – Virtual Instruments
 - NI Engine – Console