A major in the simulation of torpedo behaviour is the new Torpedo Simulator family of Thales. Since 25 years Thales is developing torpedo simulators for wire-guided heavy weight torpedoes.

The actual Thales Torpedo Simulator generation combines a powerful simulation tool chain with flexibility in simulating depth.

The concept of the Thales Torpedo Simulators is a modular on functional units based system which allows extending the simulation and measurement functionality according to the actual needs.

Another advantage is that all simulators and units can be operated by one laptop.

**Simulated Torpedoes:**
- SUT 264
- SUT 266
- SST4

**Customers:**
- German Navy
- Indonesian Navy
- Indian Navy
- Chilean Navy

**Available Torpedo Simulator units:**

**Basis Unit**
Umbilical cable simulation, wire-guidance simulation and simulation of the torpedo behaviour during the launch and wire guidance phase.

**Measurement Unit**
Measurement of the signal voltages and the pulse-width of umbilical cable signals to verify the interface system.

**Load Unit**
The aim of the Load Unit is to perform a load simulation for the interface system.

**Target Simulation Unit**
The Target Simulation Unit is simulating a more complex target motion and interfacing the simulator with the Combat Management System to receive target coordinates.