

“Where will our knowledge take you?”

Vidar-36

Multiple-mission SSK with modular features

Vidar-36 is a large and capable conventional submarine design offering multiple-mission capabilities hosted in an ocean-going platform.

The submarine will bring a wide variety of benefits to her operators because we have allowed from the outset for a range of design options.

Benefits include:

- ocean-spanning reach and persistence;
- affordable and adaptable design;
- at home in the deep and in the littoral;
- land-attack, anti-surface, anti-submarine and special operations;
- silent and covert platform.

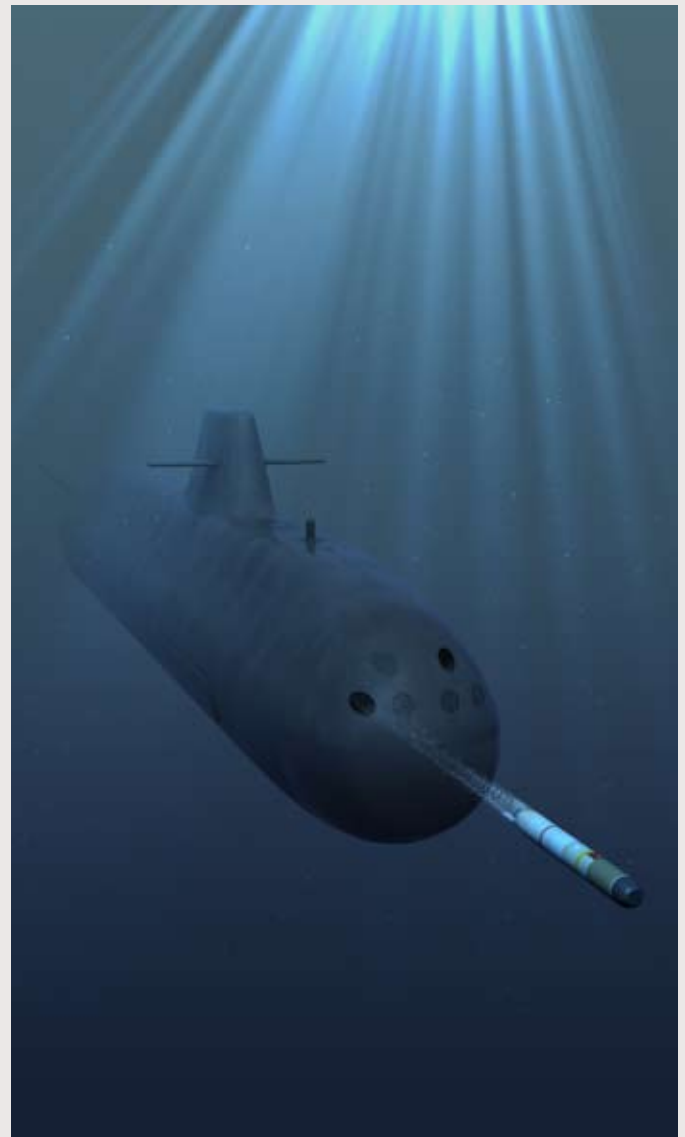
The modular payload options include dry/wet deck hangar, reelable high frequency communication systems, Special Forces mission packages and reelable towed-array plus modular mast systems.

The diesel electric propulsion may be complemented by an optional modular air independent propulsion (AIP) system. This is designed to be modified in line with the latest technological advances and to meet specific market needs and preferences.

Vidar-36 possesses a range of high capability design characteristics geared for long range ocean going missions, with an emphasis on low risk and affordability.

Key Features include:

- Utilisation of current Commercial and Military Off-The-Shelf technologies;
- High capability combat system accommodating refined sonar options as well as land attack, special operations, anti-surface and anti-submarine modes;
- Superior standards of accommodation allowing extended patrols;
- High emphasis on communications interoperability and net-centric warfare compatibility;
- Advanced capability for the launch, operation and recovery of autonomous and tethered unmanned underwater vehicles;
- Littoral and blue water functionality.



Characteristics	
Length	79m (overall)
Beam	8.4m (maximum)
Submerged displacement	3,600 te
Operating depth	200m+
Propulsion	Diesel Electric, with AIP options
Maximum submerged speed	20 knots
Range	9,000nm (snorting) with extended range options
Sensors	Active and passive cylindrical, flank and intercept arrays, reelable towed-array, mine and obstacle avoidance sonar and optronic, radar and CESM masts
Torpedo tubes	Six (21")
Weapons	Up to 18 (including heavyweight torpedoes, anti-ship and land attack missiles)
Mines	Up to 36
Special forces	Five-to-ten-man lock-in lock-out facilities plus special forces mission packages
Masts	Eight modular mast bays for optronic masts, radar, CESM, satellite and integrated comms masts
UUV capability	Launch, operation and recovery of autonomous and tethered unmanned underwater vehicles
Communications	Satellite and integrated comms; buoyant wire aerial, underwater telephone

Vidar-36 – the way forward

Vidar-36 presents the next stage in meeting global market needs, utilising the latest proven technologies in conjunction with affordable modular options to suit specific operational requirements and preferences.

Please contact us to discuss how Vidar-36 may meet your needs or for further information on our submarine design and design change management capabilities in general.

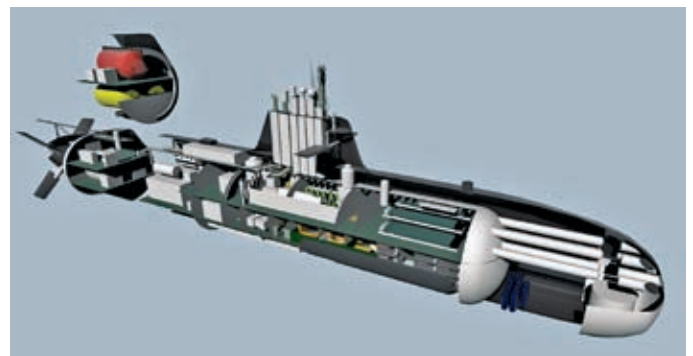
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We are continually working to improve upon our design specifications. All data contained within this document are therefore subject to change.



Vidar-36 is a design from the BMT InSpira portfolio.