

Submarine Capability Statement



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QinetiQ, in close collaboration with our Enterprise partners, has taken the necessary steps to adapt to deliver for customers the mission critical capability that they require to understand, confront and overcome new challenges.

We are recognised around the world as the chosen partner for mission critical submarine solutions, innovating and integrating to deliver operational advantage. Amongst our staff are many world renowned experts who call upon decades of experience and knowledge. QinetiQ is a trusted advisor to governments, navies, shipbuilders, OEMs, regulators and ship owners.

Submarine Core Capabilities

- Hydromechanics - manoeuvring, control and propulsor design
- Marine Structures, Materials and Survivability (including Shock Qualification)
- Noise & Vibration
- Target Echo Strength
- Maritime Life Support – submarine escape, rescue, abandonment, diving, hyperbaric medicine and atmosphere control
- Stealth Acoustic materials – including specialist composites
- Weapons, Torpedoes and Targets
- Sea and shore trials
- Acoustic, Electromagnetic and other signatures In-Service Ranging
- Electro Magnetic and Magnetic Open Sea Ranging

The combination of unique personnel and irreplaceable facilities ensures QinetiQ can support world-class innovation and expertise to generate and assure any equipment and new technology.

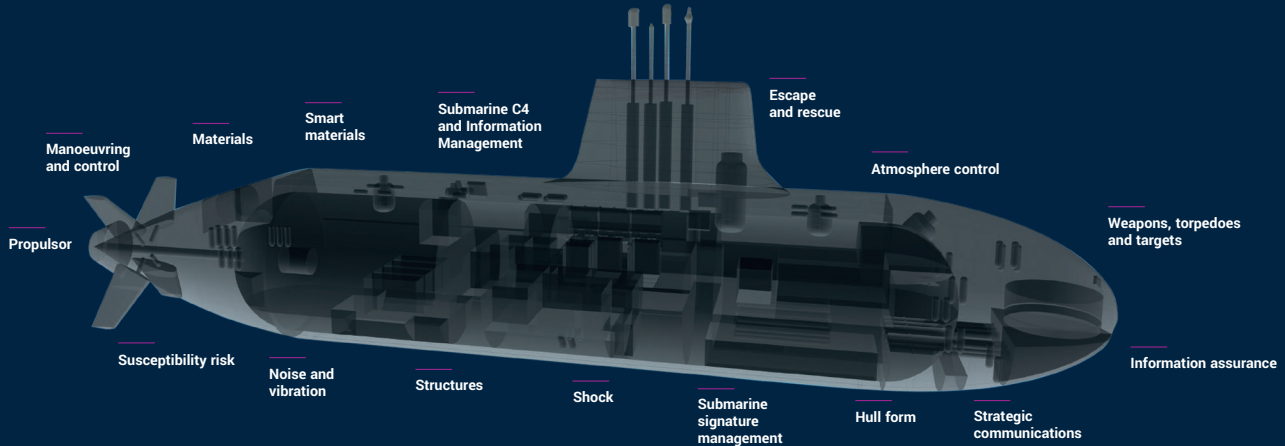
Competencies

- 13 UK Sites with Submarine focused facilities
- Flexible services
- International Collaboration (including academia)
- Safeguarding the Future
- Safety First

Submarine Work Highlights

- Enduring support to In Service Submarines and the Continuous At Sea Deterrent
- Propulsor hydrodynamic design solutions
- Overseas support to early stage concept design and submarine in-service capability update
- Cutting edge technology partnership investigating future atmosphere control solutions

Delivering mission critical capability in Submarines



From analysing manoeuvrability to evaluating the stealth performance of submarines, we help our customers to achieve capability, safety, survivability, efficiency and fleet availability at a reduced cost, through the deep expertise of our people and the use of our highly advanced strategic facilities.