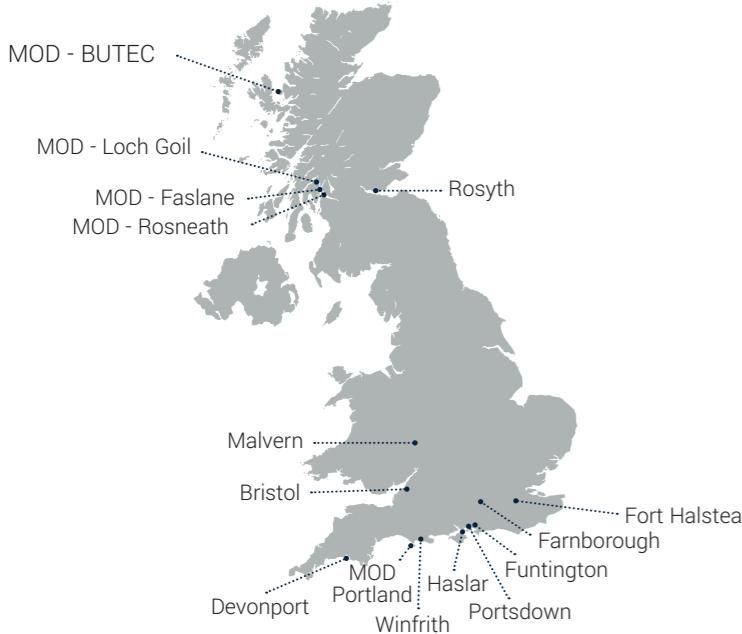


## Sites



## Tools

Radiated Noise, TES and Magnetic	Submarine Atmosphere Modelling	Submarine Escape Design and Modelling	Noise and Vibration Calibration	Hydro-acoustic Measurement and Prediction	Hydro-acoustic Modelling
Cost and Risk Modelling	Submarine Research Model	Safe Operating Envelope	SURVIVE®	RF Analysis and Comms Performance Modelling	Acquisition Support

## Capabilities

Sonobuoy Assessment	Fixed/Mobile Acoustic and Magnetic Ranges	Underwater Targets	Towing Tank and Ocean Basin	C4 Integration Facilities	Battery Development
Tracking Ranges	Target Echo Strength	Stealth Materials	Diving Equipment Testing	Comms Assurance Facilities	Shock Testing

## People

Over 700 SQEP Maritime staff	UK based independent expertise	World renowned experts	Track record of submarine design and support	Maritime Knowledge Management	Strategically important knowledge base
Security cleared	Internationally deployable	Scientists engineers and analysts	5% Club membership	24/7 In-Service submarine support	Wealth of historical data underpinning expertise



QinetiQ, in close collaboration with our Enterprise partners, is taking the necessary steps to adapt the delivery of mission critical capability that customers require, to understand, confront and overcome new challenges.

Our focus is on helping customers achieve increased 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.

QinetiQ applies in-depth domain knowledge and specialist expertise to produce trusted, practical, action-oriented advice that enables our customers to make informed procurement and operational decisions with authority and insight.

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 in the UK and internationally.

In 2023 QinetiQ announced the renewal of the Maritime Strategic Capability Agreement (MSCA) with the Submarine Delivery Agency for a further ten years.

QinetiQ has a 25 year Long Term Partnering Agreement (LTPA) to provide experimentation, test, evaluation and training support to the UK MOD.

**T3E**  
Test, Trials, Training and Evaluation

**MSCA**

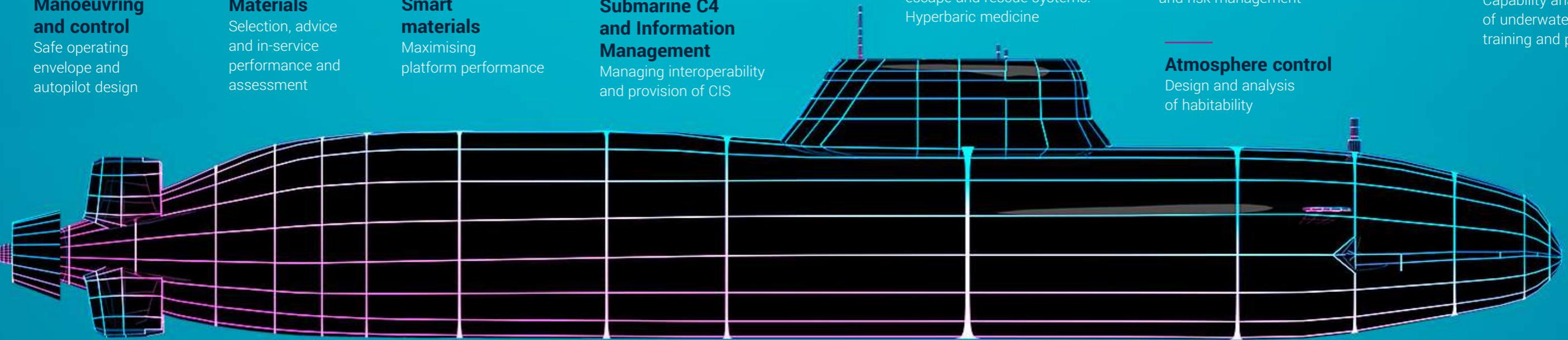
Copyright QinetiQ Ltd 2023

**QINETIQ**

Enabling mission critical capability in Submarines



© Crown Copyright

**Manoeuvring and control**  
Safe operating envelope and autopilot design**Materials**  
Selection, advice and in-service performance and assessment**Smart materials**  
Maximising platform performance**Submarine C4 and Information Management**  
Managing interoperability and provision of CIS**Escape and rescue**  
Design and analysis of escape and rescue systems. Hyperbaric medicine**Robotics and Autonomy**  
Including AI, and assurance and risk management**Weapons, torpedoes and targets**  
Capability analysis and delivery of underwater targets for crew training and picture compilation trials**Atmosphere control**  
Design and analysis of habitability**Skills Development**  
Sovereign Skills Transfer Programme**Susceptibility risk**  
Supporting continual improvement**Noise and vibration**  
Radiated acoustic noise assessment and management**Structures**  
Structural integrity, NDE advice, SM welding, corrosion and pressure hull collapse**Shock and Survivability**  
Physical testing and synthetic analysis**Signatures and Stealth**  
Ranging, testing and analysis, including provision of anechoic coatings**Hull form**  
Hull form design and analysis including dynamic stability and degraded conditions**Information assurance and Cyber**  
Cryptography, Secure Cloud, cyber survivability and susceptibility

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.

TandE@qinetiq.com