Naval Ship and Submarine Survey

Fleet maintenance managers and operators turn to survey specialists for impartial assessment and authoritative advice on the state of the vessels in their charge. Our independence at BMT Defence Services allows us to build trusted relationships in whole ship and submarine surveys.

Ship’s Material State Surveys

Undertaking periodic inspections/surveys between deep maintenance periods improves operational availability. It also reduces costs by identifying defects early for rectification before more extensive repairs are required. Further insight into future maintenance requirements is provided through trend analysis. At BMT Defence Services, we have been conducting material state surveys since 1990. We are able to advise how to achieve the optimum balance between safety, availability and cost of vessel ownership.

Our expertise extends across:
- Hull structure
- Ship husbandry
- Installation engineering
- Corrosion control
- Ship and submarine alterations and additions
- Ship disposal
- Submarine hull tiling

Features
- Material state surveys of warships, auxiliaries or submarines
- Ship’s safety certification surveys
- Ship’s environmental surveys
- Naval engineering surveys
- Naval architecture surveys including watertight integrity

Ship’s Safety Certification Survey

We assure clients that their safety responsibilities have been identified and are being managed, from initial concept through to final disposal.

Our reputation as a leading supplier of these services is due to our pioneering whole platform assessment, as well as to system and equipment Safety Case preparation, and fire assessments. Our expertise has led the UK Ministry of Defence (MOD) to recognise us as a Delegated Naval Authority. Areas of expertise include:
- Fire safety
- Watertight integrity
- Hull structure
- Propulsion and manoeuvring
- Escape and evacuation
- SHIPHAZ including RADHAZ markings (Radiation Hazards)
- The Project Oriented Safety Management System (POSMS)
Engineering Surveys
Our engineers are experts in a vast range of naval and marine disciplines enabling BMT Defence Services to offer detailed surveys in support of:

- Feasibility studies
- Pre- and post-up keep assessment
- Installation
- Lining out
- Pipe-work survey and fluid flow analysis
- Circuit-breaker discrimination;
- Equipment and plant material state
- Noise and vibration

Naval Architecture Surveys
BMT Defence Services has built a strong reputation for innovative naval architecture over the last two decades. This is achieved through our attentive approach to customers’ needs, and our accuracy and diligence in our survey work. This covers:

- Deadweight surveys
- Damage assessment
- Surface ship in-service structural surveys for steel and GRP ships
- Submarine in-service structural surveys
- Surveys to support Alterations and Additions (A&A)