

Mechanical/Marine Engineer

The Marine Engineering Function in Submarine Solutions supports the effective design, build and commissioning of the major equipment & systems for nuclear propulsion submarines. Our Marine Design capability is at the leading edge of submarine and surface ship engineering and allied new technology development. Its capabilities are applied to the whole product lifecycle – ‘cradle to grave’: from Concept Design studies through to Detailed Design and the provision of design for In-service support.

As a Mechanical/Marine Engineer you will be part of a team and could undertake a range of activities which are crucial to the design and performance of the Submarine working on key areas such as signature reduction, oxygen & life support systems, trim and compensation systems, air independent propulsion, fluid network simulation and writing test and trials procedures to prove systems and equipment.

As a Marine Engineering graduate you are encouraged and supported to develop your engineering knowledge and skills that can be applied across the lifecycle of the product. This includes networking with others both internal and external to the business in order that both you and the business continually apply Learning from Experience and maintain our capabilities at the forefront of industry best practice.

Throughout your two years on the Graduate Development Framework (GDF) you are presented, through your placements both in Marine Engineering and other departments, with the opportunity to both gain experience and to contribute to several different aspects of the Marine Engineering work streams, throughout the lifecycle of the product thus allowing you to find and build upon your own interests and strengths.

Upon completion of the Graduate Development Framework a Marine Engineering Graduate could expect a rewarding career which may be in (but is not limited to) any of the following areas:

- Design & Integration Studies
- Design Analysis
- Design Assurance
- Performance Improvement Studies
- Testing & Trials

The graduate would be actively encouraged and supported to become a Chartered Engineer through the IMechE, IET and various other institutions. You would also continue to be supported through the Engineering Developing You (EDY); framework used within BAE Systems to enable people to identify their capability, strengths and development needs. Along with this any appropriate specialist engineering training or further development will be provided.

For a graduate to consider working in Marine Engineering; you'll have an engineering/science related degree with a minimum 2:1 result. Any specific training would be provided on the job as appropriate.