

Instrumentation & Calibration Services (ICS)

Instrumentation & Calibration Services is part of Submarine Solutions, although they do work with submarine systems their main focus is on portable and hand-held devices used around the Shipyard.

ICS is comprised primarily of two departments, Instrumentation Development Services (IDS) and Barrow Calibration Centre (BCC) the two arms of the department combine diverse levels of expertise in Nuclear Instrumentation Development, Calibration and Metrology.

IDS are one of the UK's leading teams in Nuclear Instrumentation and Radiological Product Development and Testing. With over 40 years experience, IDS provide their services to new build Nuclear Submarines, Ministry of Defence survey requirements and multi-sector commercial customers. Together with the Radiation Physics and Shielding dept., IDS are the Royal Navy's principal radiation shielding measurement team.

BCC have capabilities in multiple calibration parameters allowing the department to offer a comprehensive service that is both UKAS accredited and ISO traceable. BCC also offer extensive calibration training courses which are designed to meet specific requirements and delivered by a dedicated team of experienced trainers.

ICS is a fast moving department which is atypical in the submarine world. They always have several projects in production at any one time with many things on the go at any time. The IDS team are skilled and motivated in their work, driving projects from the ideas stage through to batch production rapidly.

As ICS is a small department you will spend most of your placements on the Graduate Development Framework (GDP) in other relevant positions around the company, picking up valuable experience and skills to be used later in your career.

Areas a Graduate with IDS could expect to work on:

- Electronic design
- Embedded systems programming
- Instrumentation theory
- Radiation detection & measurement
- Data-logging systems
- Radiation physics
- Product development
- Radiological device calibration.

IDS are keen to help you develop your career and support Chartership in all relevant institutions (IET/IMechE/IoP etc).

For a graduate to consider joining ICS we would expect the candidate to have an engineering/science related degree with a minimum 2:1. Any instrumentation or radiological specific training would be provided on the job as appropriate.