

Noise & Vibration Engineer

Introduction

The Noise & Vibration Engineering Department (NAVED) consists of a specialist team of engineers providing expertise and solutions to Radiated Noise, Acoustic Noise and Vibration problems. NAVED have a wide scope of projects to which they contribute including:

- Testing new and in service equipment to ensure their radiated noise levels are within specification.
- Dynamic balancing of rotational equipment to reduce the overall noise profile of machinery
- Machinery health monitoring
- 3D modelling of Machinery for result representation and FE analysis
- Hand/Arm Vibration exposure measurements and analysis
- Environmental airborne noise measurement
- Working with the Navy to ensure their fleet of in service submarines and ships meets the Noise and Vibrations requirements set upon them
- Creating instrumentation rigs to cope with often unique environmental conditions during trials.

Within BAE SYSTEMS Submarine Solution NAVED is unusual in the amount of work the engineers do off site on products such as:

- Vanguard Class Submarines
- Trafalgar Class Submarines
- Canadian SSK Submarines
- Type 45 Destroyer
- Terrier Armoured Vehicle
- AS90 Mobile Artillery Unit.

These trials can be at short notice and so NAVED engineers are required to be flexible in their availability.

Working in NAVED will expose you to advanced technologies in the field of noise and vibration engineering such as:

- MeScope 3D modelling and FE analysis programme
- MATLAB Programming Language
- Signal Calc signal analysis software
- State of the art N&V transducers and measurement techniques
- Data Physics Quattro and Savant multi channel data analysis systems

NAVED require that you have a 2.1 grade degree on an IMECHE accredited course.