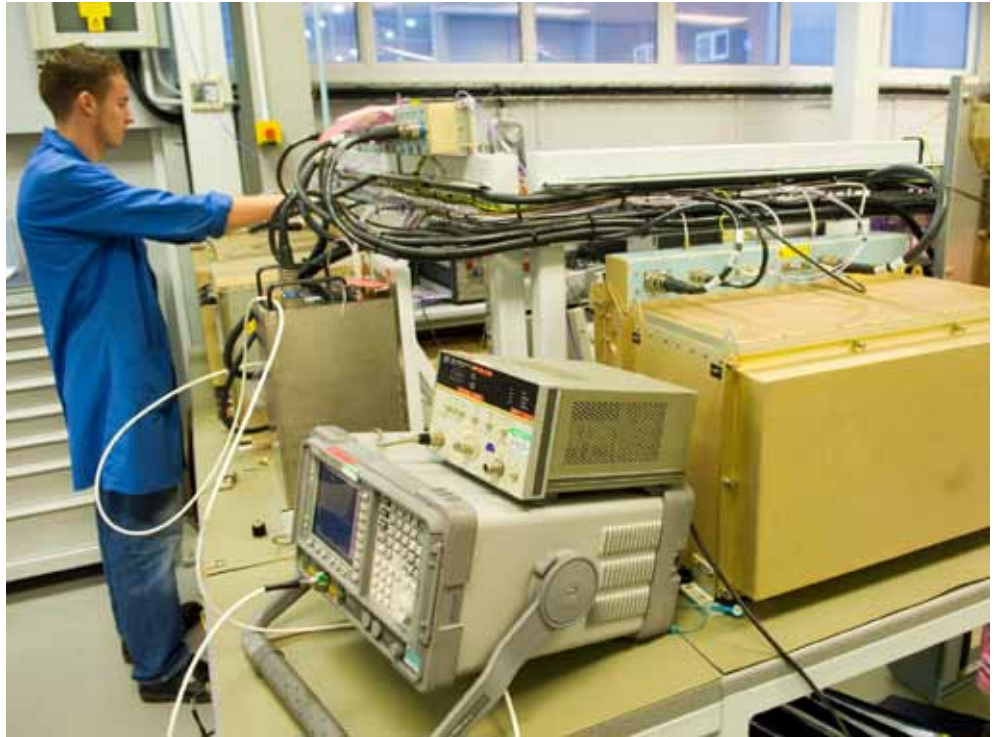


# Cowes Operations Test Facility

## A trusted partner

Maritime Services provides manufacturing and through-life support services of highly complex electronic integrated systems, sub-systems and modules for high integrity applications.



### Microwave test

Microwave test is equipped with laboratory instruments making measurements from DC to 18 GHz in a controlled environment; waveguide, coaxial assemblies and electronic units through to sub-systems and active antennas - legacy and in-service equipments through to the latest developments in solid state radar are catered for typically RF amplifiers, phase shifters, variable noise sources, Rx protectors etc.

### High voltage test

Our high voltage test facility operates at the highest standard of safety up to 100Kv in fully enclosed Faraday cages providing spares and repairs support for a wide range of legacy products. Separate bench test facilities for units and assemblies operating in the 50v to 5Kv range are provided with variable AC and DC bulk supplies and chilled water.

### **Inception testing**

Encapsulated components used in legacy and current transmitters are tested in a purpose built inception test cage operating noise free from DC to 60Kv ensuring safe quality items are fitted into high voltage assemblies; there is an on-site facility to calibrate all high voltage supplies and measuring equipment

### **General unit and assembly test**

Cowes offers production test and repairs capability from DC to HF in support of a wide range of electronic assemblies from bench test of line replaceable units through to large complex electro-mechanical assemblies requiring dedicated 'factory floor' space and special support services

### **Automatic PEC test**

Current and legacy printed circuit cards are tested on a digital ATE system but a separate system is used to test the latest in-house designed digital PEC's that have built-in boundary scan technology that can ensure quality of manufacture prior to in-circuit programming; both techniques have dedicated on-site engineering support



### **FOR MORE INFORMATION CONTACT:**

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