

BAE SYSTEMS Submarines division has a dedicated Product & Process Assurance (P&PA) organisation responsible for the preparation, distribution and promotion of quality control and assurance best practice documentation and for the company's adherence to relevant military/ commercial standards.



## Quality Assurance

The company's Total Pipework Fabrication Service operates to P&PA process instructions and offers a full Quality Assurance package from which relevant aspects are assigned to meet individual contract requirements. An embedded defect reporting process ensures that any inaccuracies encountered are notified, analysed, rectified and the results fed back, leading to continuous quality improvement.

The company uses Faro arm measurement to check pipe and valve bore dimensions. Comprehensive non-destructive examination capabilities include four gamma and X-ray cells, ultrasonic, dye penetrant, magnetic particle and hydro testing. Configuration checks are carried out using computer-generated check sheets.

All operators are fully certified to relevant current standards. Complete QC documentation is provided for each stage of the fabrication process and on completion of final inspection.

The Barrow site is quality assured to BS EN ISO 9001:2000 and is audited independently by Lloyds Register Quality Assurance assessors.

