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Expansion and Investment At NDT Inspection & Testing

NDT Inspection & Testing Ltd has recently significantly increased its total radiographic capacity by adding an extra three new radiography bays at its Queensferry headquarters site. At the same time, flexibility has also been increased by the appointment of additional qualified and experienced personnel and the introduction of cross-site operation and the re-training and NAS 410 certification of existing industrial radiographic staff to work on cast components.

NDT Inspection & Testing works with a number of "preferred suppliers" of castings to the aerospace, automotive and power generation sectors to ensure that X-ray examination is carried out accurately and reliably to the requisite standard. X-ray examination is an important quality control procedure used to detect any porosity, shrinkage or inclusions in integrity critical cast components. Porosity is caused by air inclusions at the casting stage, while shrinkage, which can take place during casting, as different areas of the pouring cool at different rates, causes structural weakness. Metallic and non-metallic inclusions can also occur during the casting process.

NDT Inspection & Testing's overriding philosophy is to reduce its costs to its aerospace customers without affecting the quality of its testing services. It does this not by cutting its service levels but by improving the suitability of the technology it offers and by the efficiency of its methodology and operating structure. For example, the company is a market leader in the development of the use of digital radiography and is fully committed to the implementation of a technology which offers significant customer benefits. It also operates an advanced, computer-based, parts-tracking system to increase productivity, accountability and traceability. This system, which uses a Windows data base, enables ready access to information, even from remote sites, so that project status and results can be assessed at any time and, if necessary, client appraisal and third party assessment can be made on-line.

NDT Inspection & Testing is one of the UK's largest independent radiographic testing services providers, with operating sites at Queensferry, Worcester and Sittingbourne. It carries approvals and accreditations from many major casting and forging suppliers to the aerospace industry and relevant accreditation bodies including Nadcap and UKAS.

