

PROCESS PLANT AND STRUCTURAL INSPECTION

FOR ONSHORE AND OFFSHORE INSTALLATIONS

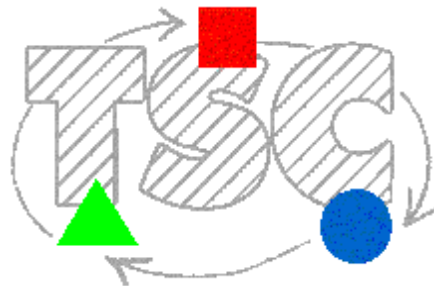
TSC INSPECTION SYSTEMS

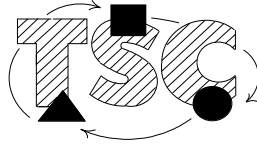
Save 60% on Inspection Costs with ACFM



Process plant, particularly pressure vessels, has to be regularly inspected for corrosion or cracking. Inspection is made difficult by the fact that most of the plant is covered in corrosion-resistant coatings such as paint, epoxy material, or even oxide layers. Many inspection techniques require this coating to be removed prior to inspection, and then reapplied afterwards. This process greatly increases the inspection time and produces waste, in addition to exposing the metalwork to the elements.

A lot of pipework operates at high or low temperatures, giving additional problems to many inspection techniques, and often preventing the reapplication of protective coating.





This combination of factors means that inspection by conventional techniques often requires a plant shutdown. Avoidance of both coating removal and shutdown obviously provides great economic benefits, and this is made possible with the ACFM technique.

The ACFM technique has been developed to detect and size the length and depth of defects without coating removal, and can operate at temperatures as high as 500°C and as low as -20°C.

The ACFM technique has had substantial use during the inspection of coated subsea structures, topside structures and pressurised systems and onshore process plant, and users have reported that inspection costs have been reduced by typically 60% compared to using conventional magnetic particle inspection (MPI).



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