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Very High Quality Examination from NDT Inspection & Testing

NDT Inspection & Testing have recently carried out an inspection of reinforcing weld sections at the top of 200m high telecommunications masts. The project, which required inspectors with a head for heights, involved the examination of four masts and was carried out over a four day period.

Very high radio masts are stabilised by a system of guide stays. These high tensile cables connect to the masts at points on the mast structure which feature a reinforcing weld. To ensure the stability of the masts it is important that the integrity of these welds is proven at regular intervals. In order to carry out this demanding, high level examination, NDT Inspection & Testing used rope access techniques first of all to remove the paint system of the weld and then to check for any surface cracking using dye penetrant inspection.

NDT Inspecting & Testing is one of the UK's largest dedicated inspection service providers and believes in working closely with customers to understand and address their needs in a reliable, quality-compliant and cost efficient fashion by using the most appropriate technology to best effect. Its field services division offers a wide range of conventional inspection technology, including site radiography, supported by specialist techniques such as TOFD, remote field eddy current inspection, remote visual tube inspection and IRIS ultrasonic testing. The company also provides dedicated and qualified radiographic testing services to the aerospace sector and carries both Nadcap and UKAS accreditation at each of its three strategically located sites in the UK.



The two photographs relating to the dye penetrant inspection of the welds of radio masts

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