CUSTOMER SITUATION:

In August of 2010, T.D. Williamson UK (TDW) was awarded a multi-site contract, part of which involved the inspection of, and service to, a gas pipeline running from Burton Point AGI to the Connah’s Quay Power Station located in Wales. The underground line, which is 30 inches in diameter and stretches 2.6 kilometers, was in need of preparation, cleaning, geometry and corrosion inspections, Global Positioning System (GPS) mapping and cathodic protection/coating surveys. Complicating the inspection and accompanying service was the pipeline’s location in an 11-hectare nature reserve that had been designated as a Site of Special Scientific Interest as well as a Special Protection Area by the EC Conservation of Wild Birds Directive. Pipeline inspection and maintenance would have to take into account the site’s ecological fragility and adhere to strict rules.

TDW SOLUTION:

TDW used a variety of its high-resolution inspection tools in order to carry out a thorough and timely inspection of the pipeline. For the geometry and corrosion inspections, TDW utilized its deformation (DEF) and Gas Magnetic Flux Leakage (GMFL) tools. The customer’s need for pipeline mapping was addressed through the use of an XYZ Mapping. By using these resources and equipment from the TDW Centre of Excellence in Swindon, as well as by partnering with sub-suppliers, the entire operation was carried out in four days, with no disruption to normal pipeline operation.

CUSTOMER BENEFIT:

Not only was TDW able to address the customer’s needs quickly and without disruption to either pipeline operations or the surrounding ecosystem, the company’s professionalism and customer service impressed the client. According to the customer, “The inspection results provided us with invaluable reassurance regarding the integrity of the pipeline, underlining our commitment to safety, and emphasizing our ability to happily co-exist in a truly bio-diverse environment.”