MECHANICAL ON-SITE SERVICES
POWER GENERATION SOLUTIONS

A key area of experience in our mechanical on-site services division is within the power generation sector. From working on some of the last remaining coal-fired power stations in the UK, through to nuclear and smaller bio-mass and energy-from-waste plants, we have a growing pool of stations we support with framework agreements in place to provide rapid support during both planned outages and unplanned breakdowns.

WHY CHOOSE ICR?
Our combined operations base is ideally located in the North of England - just off the M6 (Jct 36) with good transport links. With a large pool of technicians available we generally have resource availability within 3 hours of most sites. We have a dedicated engineering team in-house together with a large, well-equipped workshop with in-house engineering capabilities. Dedicated site focal points deal with enquiries from start to finish ensuring consistency from survey to job close out.

ON-LINE LEAK SEALING delivering a wide range of on-line repairs on low and high pressure steam systems including bonnet and flange leaks, gland issues, valve stem problems and weld defect, other sub systems such as instrument air and fire water ring mains or slurry and anaerobic digestion systems.

BOLTING SUPPORT providing management of flanged joints, removal and reinstatement of manway doors, valve bonnets removed for overhaul, removal and re-instatement of valves.

IN-SITU MACHINING SUPPORT with typical scopes of cutting out of old pipes and fabrication of inserts, weld excavation from NDT failures or welds that have previously been on monitor, drilling of thermo-couple points, drilling out of broken or seized fasteners in valves, bonnets or plant equipment, damaged shaft repairs on screw conveyors, cutting of new keyways, flange facing of damaged flanges, bonnet joints occurring from steam leaks or process issues.

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**ENGINEERED COMPOSITE REPAIRS** using our Technowrap™ system carries the benefits of being able to rehabilitate both piping and structural issues. Can be used in conjunction with on-line leak sealing if required. Typical uses include plant air systems with through wall defects, tank repairs with wall thinning, fire water ring mains, blast wall repairs, bunker repairs, stair way and guttering repairs. If the required engineering is met a design life of 20 years is achievable. Technowrap™ training is also available for 3rd party station technicians.

**QUICKFLANGE™ WELDLESS CONNECTORS** providing hot work free flange-to-pipe installation (1”-14”) in a wide range of sizes and suitable for a wide range of systems including hydrocarbons, temporary spools, new tie-ins, damaged flange replacements, particularly suited to bunkering areas where hot work cannot be carried out. Multiple flanges can be installed in a shift by one team meaning less resource on site. Quickflange™ can also be installed by 3rd party mechanical teams with certified training available.

**SKY-FUTURES™ REMOTE DRONE INSPECTION** ability to survey large vessels and columns including chimneys providing high definition survey capabilities; carry out inspection of guttering and roofs with the need for scaffold erection; ability to quickly survey bunker storage areas eliminating the need for manpower entry into biomass storage areas; ability to survey inside tanks removing the need for confined-space entry teams.

For more information our full range of products and services, please contact Shane Gregory – shane.gregory@icr-world.com