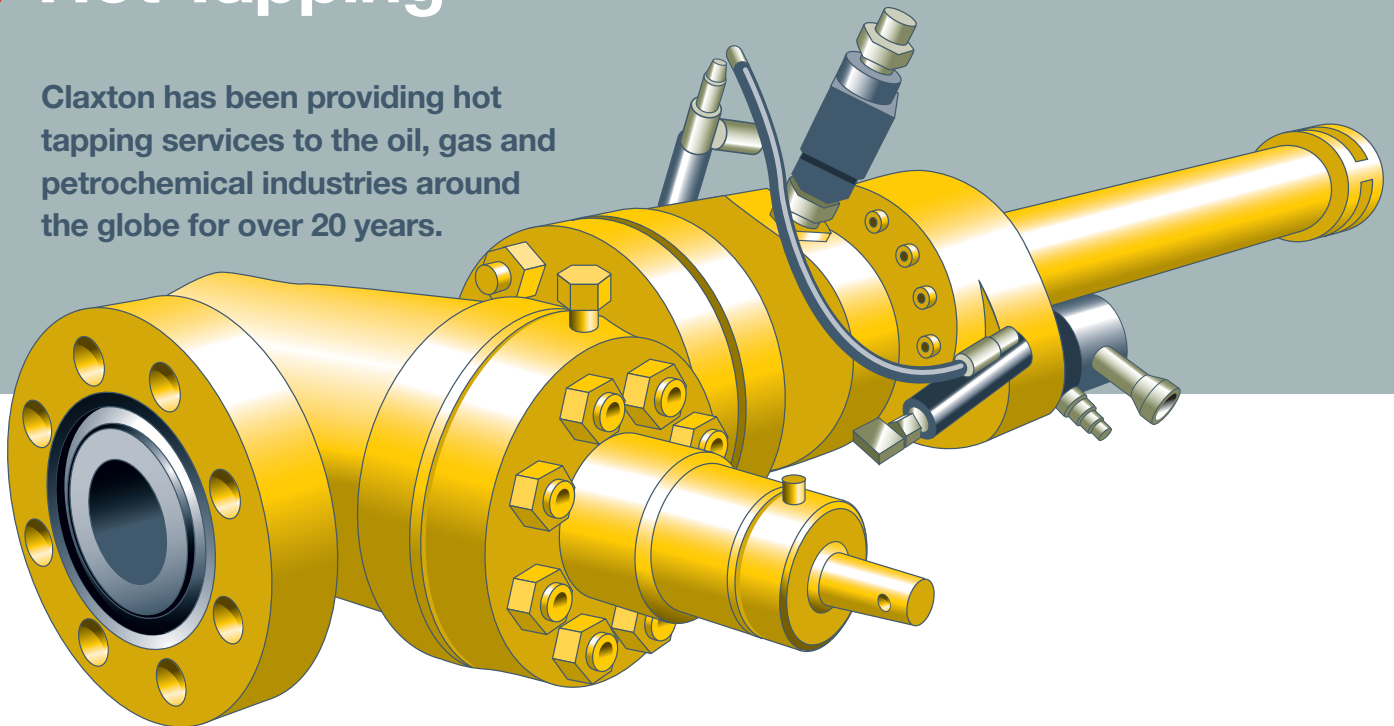


> Hot Tapping

Claxton has been providing hot tapping services to the oil, gas and petrochemical industries around the globe for over 20 years.



Claxton designs, supplies and operates systems for the provision of hot tapping into valves on wellheads, Christmas trees, check valves and all types of tubulars for both surface or subsea operations. We provide this service for the global upstream oil and gas industry as well as downstream petrochemical facilities – working on pipelines, flare lines, valves etc.

The Claxton system is robust, field-proven and backed by a business with decades of oil and gas experience.

About Hot Tapping

Hot tapping allows work to be performed on a live system without the need for venting or shutting down operations. Hot tapping systems manufactured by Claxton provide containment of the pressure and a means to vent and remove it. Additionally the hot-tapping process can be used to drain off pressurised casing fluids.



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Hot Tapping

Benefits of the Claxton Hot Tapping system

- Full pressure containment to allow for simultaneous operations
- Proven to cut a range of materials from standard steel pipe, through to super-hard materials like honeycomb stellite
- Range of machines for many applications
- Operating pressure up to 15,000 PSI
- Modular systems provide flexible project applications
- Equalisation-controlling orifice valve reduces dynamic shock to the pressure retaining components
- Full service – design, planning and offshore operations can all be undertaken

Flexible system options

- Auto- and manual-feed systems
- Surface and subsea systems
- Pneumatic and hydraulic power options
- Standard boring sizes from 0.5 - 48" with larger sizes accommodated on request
- Variable drilling lengths
- Split-T hot tap fittings, split-T lines stops and weldolets supplied
- Crossover adaptors to interface with in-situ equipment
- Supplied with transportation skids

In addition, Claxton provides a rapid design-and-build service for specific applications utilising our in-house design and project engineering departments.

Flexible applications

- Offshore oil and gas production facilities
- Oil and gas pipelines
- Valve boring for on- and offshore maintenance
- Refineries and petrochemical plants
- Any manufacturing process with pressurised tubular systems.

Case study: Typical custom hot tap machine project

In 2007 Claxton worked with a major operator in Norway to provide an application-specific subsea hot tapping machine. The operator needed to insert a hot tap tee to connect a new pipeline link – a critical-path operation.

Claxton designed, built and tested a machine to work in 200 meters of water with a hot tap diameter of 10". The operation was to be performed on a 20" gas pipeline and the system was built and tested to a 5000 PSI operating pressure. To work at the required depth the system was fully marinised and an offshore test confirmed the machine worked as planned at the required depth. Claxton performed a full in-house FEA analysis on the system which also included the supply of a hydraulic power unit and associated equipment to run the machine offshore.

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