

Hot tapping and plugging work using T. D. Williamson technology



Pipeline repairs
without shutdown



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NET4GAS owns and operates an extensive range of hot tapping and plugging equipment manufactured by T. D. Williamson, which allows the safe hot tapping and plugging of gas and oil pipelines without the need for their shutdown. This equipment can be deployed on pipelines with diameters from DN 50 up to DN 1400 and with operating pressures of up to 83 bar. The NET4GAS team has over 25 years of know-how and has a track record of hundreds of successful jobs on its own transmission system, dozens of foreign references, and last, but not least, successful assignments on oil pipelines.

Advantages of the technology

- Pipeline repairs without need for shutdown
- Reducing the amount of discharged gas or released fluid
- Outage time minimization
- Repairs without need for pipeline pressure reduction

Technical data

Equipment manufacturer:	T. D. Williamson
Dimensions of pipelines suitable for repair:	DN 50 to DN 1400
Maximum operating pressure in pipeline under repair:	83 bar
Maximum temperature of medium in the pipeline:	93 °C

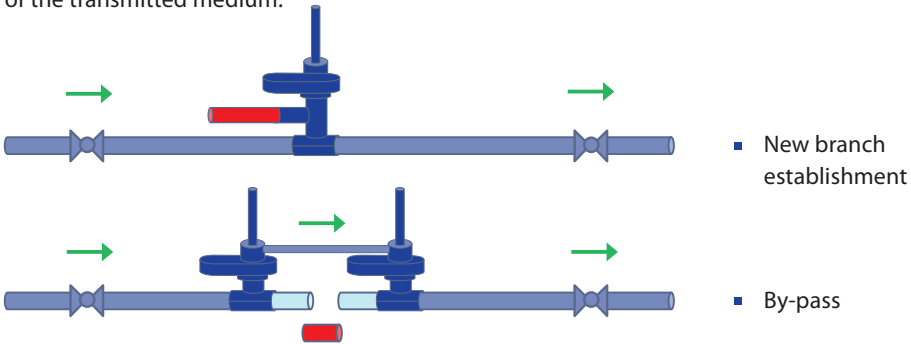
References

- Hundreds of successful deployment operations on the NET4GAS transmission system
- Deployment on gas pipelines of external customers (TSO, DSO, SSO, etc.): Czech Republic, Slovakia, Germany, France, Poland
- Deployment on oil pipelines: Czech Republic

Usage examples

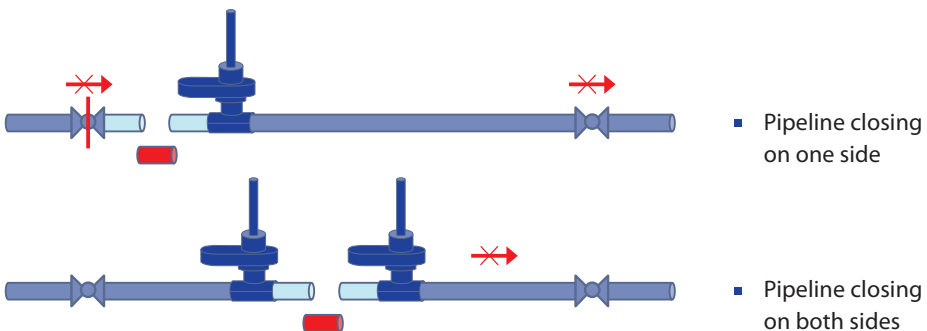
Pipe repairs without shutdown

Repairs can be performed even on pipelines where shutdown is not possible for operational or other reasons, without any restriction on the transmission and operating pressure of the transmitted medium.



Pipe repair with minimized outage time, released medium, and without pressure reduction

This repair method enables reducing the length of the pipe section that must be depressurized, vented, and subsequently refilled with the original medium and pressurized, thus achieving shorter pipeline outages. In practice, it is possible to reduce the shutdown pipeline section length from 10–20 km to single meters or dozens of meters. Reducing the pipeline section length also minimizes the amount of gas (or any other medium) that must be released into the atmosphere. Preparation work (welding-on of fittings, pipe hot tapping, etc.) can be carried out before pipeline shutdown.





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