



ENGINEERING SOLUTIONS FOR INFRASTRUCTURE

Specialist support for the installation, testing, connection, commissioning and maintenance of utility networks.

GAS • WATER • PIPELINES

ENGINEERING SOLUTIONS FOR INFRASTRUCTURE

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Practical expertise for complex utility work

MTS Contracting Ltd is a specialist engineering service provider supporting gas, water and wider pipeline infrastructure across the UK.

Our experienced technicians combine field knowledge, specialist equipment and trusted delivery partners to support planned works, shutdowns and emergency requirements.



WHAT CLIENTS CAN EXPECT

Competent delivery

Experienced teams for specialist pipeline activities.

End-to-end support

From installation and testing through to commissioning and maintenance.

Responsive service

Practical support for planned, complex and urgent works.

Specialist services across the pipeline lifecycle

A coordinated service offer for network owners, principal contractors and delivery partners.

PIPE INSTALLATION

PE and steel main laying, butt fusion and electrofusion.

FLOW STOPPING

Squeeze-off, bag-off and stopple solutions.

CONNECTIONS

Hot tapping, under-pressure drilling and specialist connections.

TESTING

Hydrostatic, pneumatic and APT pressure testing.

COMMISSIONING

PRS, network commissioning and decommissioning support.

CARE & RESPONSE

Inspection, maintenance, repair and emergency response.

PE pipelines built for reliable service



CAPABILITIES

- Butt fusion welding for large-diameter PE
- Electrofusion couplers and branch saddles
- PE main laying and installation support
- Squeeze-off and flow-stopping techniques
- Pneumatic and hydrostatic testing

FUSION QUALITY

Controlled jointing procedures and downloadable joint data provide traceability and confidence throughout installation.

PE80 • PE100 • MDPE • HDPE

Controlled flow stopping for planned intervention



METALLIC MAINS

- Stopple operations
- Bag-off techniques
- Folding stopple solutions
- Bypass arrangements

PE MAINS

- Squeeze-off
- Bag stop
- Aqua stop
- Temporary network control

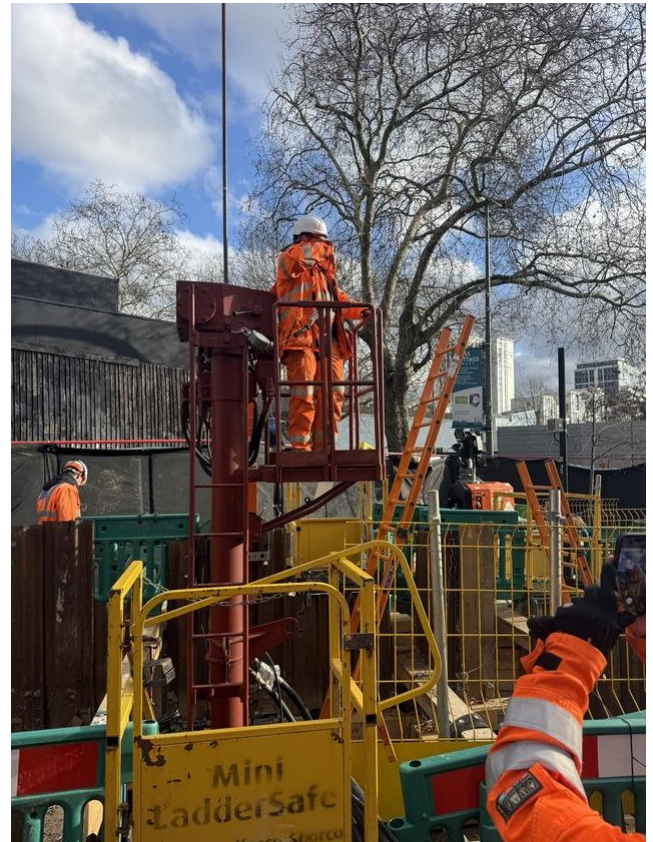
Solutions are selected to suit pipe material, diameter, pressure and site conditions.

Connections without unnecessary interruption

HOT TAPPING & DRILLING

MTS Contracting Ltd provides specialist drilling and connection services across a range of pipeline materials, products, sizes and pressures.

- Bolted, grouted or welded tees
- Valve supply and installation
- Permanent branch connections
- Bypass and inspection access
- Custom-engineered applications



Every connection is planned around the live network, access constraints and required operating outcome.

Testing that supports safe commissioning



PRESSURE TESTING

- Hydrostatic testing
- Pneumatic testing
- APT pressure testing
- Test preparation and monitoring
- Results and reporting

COMMISSIONING SUPPORT

Practical support for new assets, diversions, pressure reduction installations and network handback.

Keep critical network assets working as intended



INSPECTION

Pipeline monitoring, camera inspection and condition-focused support.

MAINTENANCE

Gas control equipment, PRS assets, coatings and pipeline repairs.

RESPONSE

Planned intervention and emergency support when network continuity matters.

One specialist partner across installation, intervention and asset care.

Experience across demanding infrastructure projects

Selected examples from MTS Contracting Ltd and its delivery team.

- 7 bar gas infrastructure: drilling, pressure testing and commissioning
- Large-diameter steel gas diversion using double-stopple techniques
- PE squeeze-off and diversion works across UK gas networks
- APT testing for major gas transmission and distribution projects
- Tight-fit and loose-lining works on complex utility pipelines
- High-pressure welded hot taps and specialist pipeline connections

Capability is matched to each project through competent people, specialist equipment and trusted partners.

Fusion methods selected around the installation



BUTT FUSION

A proven, cost-effective jointing method for long pipeline strings. Controlled preparation, alignment, heating and fusion create a traceable joint suitable for demanding installations.

ELECTROFUSION

Ideal for restricted locations, tie-ins, changes of direction, couplers and branch saddles. Jointing data can be captured to support quality records and project handover.

MTS technicians support large-diameter PE installation with specialist equipment and practical site experience.

Pressure control assets supported through their lifecycle



SERVICES

- Supply and installation
- Commissioning and modification
- Meter exchanges and isolation
- Planned and condition-based maintenance

SYSTEMS

- Single, twin and multi-stream arrangements
- Direct acting and pilot-operated control
- Pressure and data logging
- Fault and condition monitoring

Applications include industrial, commercial, distribution and transmission networks across IP, MP and LP regimes.

APT improves confidence in large-volume pressure testing



HOW IT WORKS

Acoustic temperature measurement determines the average temperature change of the air inside the pipeline. The test software uses this information with pressure data and creep compensation to distinguish temperature effects from leakage.

KEY BENEFITS

- Earlier leak discrimination
- Digital auditable records
- Automatic test certificates
- Reduced conditioning time

Case study: 3 km of 250 mm PE gas main

A pre-commissioning pressure test where conventional conditioning and test periods were expected to total around twelve days.

THE CHALLENGE

Creep and changing air temperature made small leakage difficult to identify accurately across the large pipe volume.

THE PROCESS

APT compensated temperature from the start, logged pressure throughout pressurisation and identified a leak during the first day.

72 hours

temperature-compensated
test

200+ hours

reported time saving

1 leak

identified and
repaired

The result demonstrated how acoustic temperature compensation can provide earlier evidence and reduce unnecessary waiting time.

Under-pressure access for water and utility assets



APPLICATIONS

- Fire-hydrant installation and replacement
- Flushing points and boundary-valve access
- Sampling and probe points
- Flow-meter and monitoring access
- Bypass connections and inspection points

NETWORK BENEFIT

Under-pressure techniques can maintain service, reduce draining and recharge requirements, and limit disruption while specialist access is installed.

Solutions must be selected to suit pipe material, pressure and network requirements.

Technical capability backed by practical delivery

MTS Contracting Ltd brings together experienced technicians, specialist equipment and delivery partners to support complex work scopes.

- Site planning and method development
- Specialist equipment and competent operators
- Installation, intervention, testing and commissioning
- Digital test and jointing records where applicable
- Coordination with network owners and principal contractors
- Responsive support for planned and emergency requirements

SPECIALIST DELIVERY PARTNERS



Together with specialist partners, MTS can coordinate a broader range of pipeline engineering and intervention services.



Let's discuss your next project

For specialist pipeline engineering, testing, connections, commissioning, maintenance or emergency support, contact MTS Contracting Ltd.

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