

Your guarantee of quality and experience...



HEALTH AND
SAFETY



ENVIRONMENTAL
STANDARDS



TECHNICAL
EXCELLENCE



SPECIALIST
RESOURCES



RISK
MANAGEMENT

The Pipe Jacking Association is the UK trade association that represents all the major suppliers in the UK pipe jacking and microtunnelling industry providing pipelines to the UK utility sector.

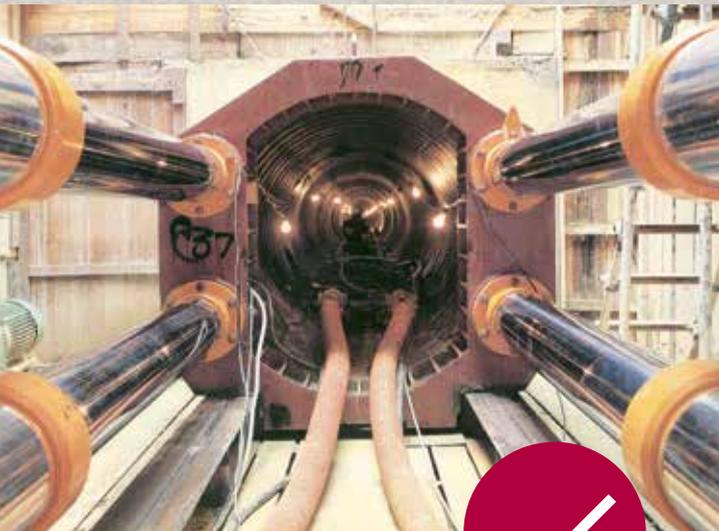
By employing a PJA member you are assured that all members comply with a strict code of conduct embracing technical standards and quality of workmanship and will use tested and compliant products guaranteed to provide a cost-effective solution to your tunnelling requirements.

PJA members are committed to work to:

- Stringent health and safety standards
- Sustainable environmental policies
- Technical excellence embracing research and training
- Industry standards for both systems and products
- Specialist guidance to clients and designers

Members utilise specialist plant and equipment, designed to international standards, and work with product suppliers to ensure that an integrated supply chain produces an optimum client solution. Combined with the financial stability that is a requirement of Association membership, and the technical and economic risk management that is applied on projects, employing a registered PJA member provides a high degree of confidence of successful project delivery.

The combined expertise and professionalism of member companies, acquired over many years, provides your assurance that PJA members deliver the most up-to-date technology and the ability to provide solutions, whatever the challenge.



HEALTH & SAFETY

Health & Safety is an overriding concern for members of the Pipe Jacking Association and it is mandatory that all personnel are certificated and undergo a comprehensive safety induction.

In addition to established general safety guidelines for the construction industry all members undertake to comply with industry specific safety standards to include:

BS6164: Safety in Tunnelling – This document is the industry standard and the PJA worked closely with the British Standards Institution and the Health & Safety Executive (HSE) in updating the latest edition of this publication.

HSE/BTS/PJA Tunnelling and Pipejacking: Guidance for Designers. Developed by the PJA in association with the British Tunnelling Society and the Health & Safety Executive this document notes the recommended limitations of hand tunnelling and specifies machine types for safe working. It is an invaluable guide to designers.

PJA Guidance on Hand Tunnelling: Guidance on the design of hand excavated pipejacks. Although hand pipe jacking is only acceptable in very limited circumstances the Association is conscious of the health risks of hand/arm vibration which can lead to “white finger” and other ailments. Accordingly the PJA has developed guidance for situations where no mechanised option is available.

ENVIRONMENTAL STANDARDS & ACTIVITIES

Sustainability and environmental standards are major considerations for members of the Association. The PJA has undertaken a detailed analysis of regulatory compliance for the management of process arisings from tunnels and other earthworks. Efficiency of the slurry separation process, when used, can contribute significantly to the effective disposal of process arisings and ensure sustainability and environmental efficiency.

Together with TRL, the Association has developed a web-based carbon dioxide emissions calculator to compare the relative outputs of pipe jacking with open-cut construction. Professionals can evaluate the environmental impact of a project by inserting a few basic parameters and in only seconds the outputs are produced. The calculator includes details of all data sources and assumptions used in the calculations to ensure data integrity and has been verified by the Water Research Centre.



TECHNICAL EXCELLENCE

The Pipe Jacking Association have been at the forefront of research into pipe jacking and tunnelling and has sponsored a range of research activities at leading universities. These range from concrete pipe design and integrity to detailed studies analysing soil conditioning and the use of conditioning agents.

This knowledge has been incorporated into members' working practices and products ensuring optimum system performance. This combined expertise is available to clients to ensure that the relationship between varying ground conditions, pipes and machinery is maximised and is incorporated into the Association's design publications as well as BSI and CEN standards.

RESOURCES

The specialist plant and equipment developed by machinery manufacturer members of the Association ensures maximum site utilisation and efficiency, and optimises accuracy during implementation.

This is complemented by a competent and trained workforce and members have undertaken to ensure that all operatives are enrolled in operator competence and training initiatives, in addition to mandatory health and safety training.

Intimate knowledge of the supply chain combined with the financial stability that membership of the Association embraces offers a guarantee of satisfaction when dealing with members.

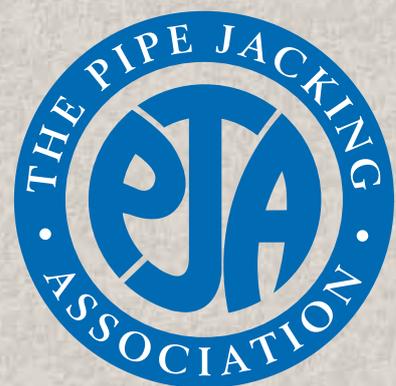


For further information please visit
www.pipejacking.org

RISK MANAGEMENT

A focus on risk management by members provides assurances on project delivery. Members operate to standard industry specifications and the Association has worked with many client organisations in the development of these specifications to ensure that practical project delivery is attainable.

A combination of effective risk management and coherent specifications ensure that optimum technical and economic solutions are achievable. This can contribute to reduced insurance premiums that can impact heavily on a scheme and the Association recommends that client organisations operate to the Association of British Insurers/British Tunnelling Society publication: 'Joint Code of Practice for the Risk Management of Tunnelling Works in the UK'.



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