ABOUT US

Trelleborg Offshore Norway AS is one of the world’s leading rubber companies in the offshore industry. As our core business is to protect against corrosion, increase safety through fire protection and secure flow by use of thermal insulation, our vision is:

Providing safety for people, environment and next generations.

We design, manufacture, test and supply sophisticated rubber solutions based on our customers’ requirements. We serve the marine, oil & gas industry, renewable energy projects, defense market, as well as the general industry and equipment manufacturers.

OUR HISTORY
Trelleborg Offshore Norway, established in 1896, has been a major supplier of new products and tailored solutions towards the Oil & Gas industry for decades. Our track record proves and underlines our promises:
• To create a win-win situation
• Reliable relationships
• Long lasting solutions

DEVELOPMENT
Trelleborg Offshore Norway is highly experienced in developing tailored solutions, combining the highest level of performance and competitiveness. We have a well equipped laboratory and a unique Jet fire rig, with support from Trelleborg Group’s extensive R & D resources; we have facilities and knowledge to meet future requirements.

MOBILE FACTORY/FLEXIBILITY
Enabling us to do coating of pipes/equipment at our client’s site, we have developed a mobile factory that can be mobilized worldwide.

VALUE DRIVEN COMPANY
Our core values – customer focus, performance, innovation and responsibility – are long-term commitments, which, when coupled with the business concept, goals and strategies guide us in making decisions and conducting business. The values make Trelleborg unique compared with our competitors. We are proud to be different.

ELASTPIPE™ FLEXIBLE PIPING SYSTEM
ELASTOPIPE™
Flexible Piping System

The ELASTOPIPE™ system is a patented flexible piping system developed for transporting a variety of fluids from fresh water to crude oil. It is manufactured in two versions, FR (Fire Resistant) and FOR (Fire and Oil Resistant).

The system was developed by Trelleborg Offshore Norway AS in co-operation with Norwegian and international oil companies in order to prevent corrosion and to meet fouling challenges in existing deluge systems.

ELASTOPIPE™ has been installed in numerous marine, oil and gas installations since 1998.
APPLICATIONS

ELASTOPIPE™ is approved for use in a a 150 lb system and is rated up to 20 bar. Made of reinforced synthetic rubber, it was originally developed for deluge and sprinkler systems in hazardous environments. ELASTOPIPE™ is now also used for many other applications:

- Firewater distribution
- Utility systems
- Nitrogen distribution systems
- Drain water (open and closed)
- Chemicals and hydrocarbon transportation
- Foam systems

INSTALLATION

- Quick and easy to install
- The ELASTOPIPE™ system significantly reduces overall installation time compared to rigid piping systems
- No hot work – no disruption
- Unlike traditional piping systems, installation of ELASTOPIPE™ can be completed with no welding or hot work. Production and processing can continue uninterrupted.
- A temporary ELASTOPIPE™ deluge system is available providing complete firewater coverage during demolition/installation activities.
SAFETY

ELASTOPIPE™ has been tested and verified using real accident scenarios.

EXPLOSION RESISTANT
ELASTOPIPE™’s ability to flex and absorb energy provides high resistance to explosion loads when compared to the traditional rigid systems.

IMPACT RESISTANT
ELASTOPIPE™ is tough, yet flexible, thanks to its unique materials technology. These properties provide unmatched tolerance to impact, enabling your system to maintain burst pressure following a collision force.

JET-FIRE RESISTANT
ELASTOPIPE™ offers unrivalled resistance to extreme fire situations compared to rigid systems. ELASTOPIPE™ can withstand jet fires even with no water in the pipe for the first five minutes.
OTHER MAIN PROPERTIES

CORROSION-FREE FLOW
ELASTOPIPE™ is 100 % corrosion free, and reduces marine growth compared to traditional materials.

REDUCES WATER HAMMER
The flexible materials properties of ELASTOPIPE™ have a dampening effect that minimizes water hammer and other dynamic pressure effects such as noise and vibration.

UV RESISTANCE
ELASTOPIPE™ has been tested to withstand extreme UV exposure.
COSTS

Total installation costs are lower compared to rigid pipes due to the simpler engineering and quick and safe installation. Maintenance-free operation generates minimum costs during the 30-year lifetime design.

TECHNICAL DATA

Pressure rating: 20 bar  
Burst pressure: 80 bar  
Dimensions: 1" to 8" ID  
Bending radius: 5 x Diameter  
Ambient temperature: -45 °C to +70 °C.  
Fittings: Standard made of Titanium. Other materials can be supplied.  
Smoke and toxicity: Tested and approved according ISO-5660  
Design life: 30 years

WEIGHT AND DIMENSIONS

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Please contact us for further information about our product range within:

- PFP (Passive Fire Protection)
- Engineered Solutions
- Flexible piping system – ELASTOPIPE™
- Thermal Insulation – Vikotherm
- Defence
- Rubber components
- Corrosion-/HISC-protection

International representatives:
Please visit: www.trelleborg.com/offshore-norway