

## Capability Statement



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## Experience

Transvac has been developing Ejector solutions since 1973, each one custom designed to suit a client's individual operational and mechanical requirements. There are hundreds of Transvac Ejectors (also known as Eductors or Jet Pumps) successfully operating in the Oil & Gas Industry worldwide.

Our expertise lies in the design, manufacture and supply of Ejector technology and our vision is to be the world's leading supplier of innovative, custom designed Ejector solutions to the oil and gas industry.

We have gained considerable experience in supplying Ejectors for boosting production of wells and flare gas recovery, as well as for subsea processing applications, where we are fully qualified, achieving Technical Readiness Level (TRL) 7.

## Product Range

Transvac supplies individual Ejectors or complete skid mounted packages for gas, liquid, steam or multi-phase fluids in sizes ranging from 3" NB to over 30" NB in a range of materials.

## Process Design Capability

All Transvac Ejectors are designed in-house by an experienced team of qualified process engineers using our own proven IP / knowledge. We work closely with our clients to ensure Ejector designs are suitable for current and future well production requirements. Our online Ejector software is freely available as a useful selection tool appreciated by our many clients.

## Research & Development

Transvac has its own Research & Development facility that is used, in conjunction with in-house CFD, to further develop and enhance the performance of its Ejector technology as well as carry out tests to verify the performance of units supplied. A number of Transvac Patents have been registered including the key 'Universal Design' Ejector technology.

## Quality Assurance / Inspection

Transvac's Quality Management System is certified to BS EN ISO 9001:2008. We are also accredited to EU Module H of the PED (Pressure Equipment Directive) and registered on FPAL, Supplier No. 44491 and Achilles I.D. 25938.

In-house welding procedures are in accordance with the requirements of international standards ASME IX and BS EN ISO 3834 and contract specific requirements.

Transvac's Quality Manager and Inspection team ensure adherence to contract specific Quality and Inspection Test Plans.

Transvac encourages third party audits to demonstrate the benefit of dealing with an organization that supplies proven, quality products and minimizes risk by keeping key design and manufacturing processes in-house.



## Mechanical Design Capability

Transvac's Ejector solutions are mechanically designed by our own qualified mechanical engineers in accordance with recognized standards and codes. These include; ASME B31.3, ASME VIII, PD5500 and the PED (Pressure equipment Directive).

We are also experienced complying with client-specific piping codes and standards including Shell DEP, NAM NSS, etc.

## Materials of Construction

Materials of construction and associated testing requirements comply with our clients' specific piping specifications. Transvac has supplied Ejectors in LTCS, Duplex, Super Duplex, Alloy 625, 6MO as well as other materials.

Materials are sourced from Europe, USA or client approved suppliers including compliance with NACE and NORSOK.

## Manufacturing

Machining and fabrication operations are performed at our UK facility where strict quality control standards are applied throughout the design and manufacturing processes. Transvac's workshop personnel specialise in the machining, fabrication and tolerancing requirements, unique to manufacturing high quality Ejectors.

Project timescales are significantly shorter than other compression technologies. Transvac has supplied Ejectors in as little as six weeks, offering a fast-track service when required.

Transvac's manufacturing facility includes material stores, material inspection area, clean room, tool store, hydrostatic test bay, painting bay and assembly area.

Transvac has invested heavily in specialist equipment dedicated to Ejector manufacture including a large automated Lathe that can machine Ejectors up to 24" NB.

## Contract Management and Documentation

A Contract Manager is appointed to provide a single point of contact for each contract and Transvac's Document Controller ensures contract documentation is correctly issued.

## After-Sales Service

By design, an Ejector has no moving parts and therefore requires little after-sales service, apart from routine inspection. In order to maintain efficient performance throughout the life of a Transvac Ejector we offer continuing support in the form of redesign of internals in accordance with changing process conditions. The change-out of internals can be arranged during a normal shut-down, often within one working shift.

Transvac personnel are available to attend offshore installations as required.

For further information please visit [www.transvac.co.uk](http://www.transvac.co.uk)



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