

PLANT TECHNOLOGY SERVICES GROUP

[Formerly known as POWER TECHNOLOGY SERVICES LIMITED, UK]



PTS INDUSTRIAL AND PIPELINE TECHNOLOGIES (INDIA) PRIVATE LIMITED

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PIPELINE SERVICES NO SHUTDOWN AND ON-SITE MAINTENANCE SOLUTIONS



Hot / Cold Tapping | Line / Flow Stopping / Plugging | Pipe Freezing | Online Valve Inserting | Manufacturing & Supply of Hot Tap / Line Stop Fittings, Equipments & Accessories

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



PTS GROUP INTRODUCTION

PLANT TECHNOLOGY SERVICES GROUP LTD - UK

www.pts.group/uk

Plant Technology Services Group Ltd – UK [Formerly known as Power Technology Services Limited] is managed by highly professional engineers who have decades of experience in the field of Pipeline Services in the Oil and Gas, Utility and allied sectors since 1980. Our Business has established an extensive Manufacturing Unit and service center. Our Products, Equipment and Field services are Designed to keep Pipeline system on stream and to prevent shutdowns for our customers. Our Manufacturing Design comply with domestic and foreign codes and standards and our quality control system assures that the highest industry requirements are met and maintained through our Quality Procedures.



PTS INDUSTRIAL AND PIPELINE TECHNOLOGIES (INDIA) PRIVATE LIMITED

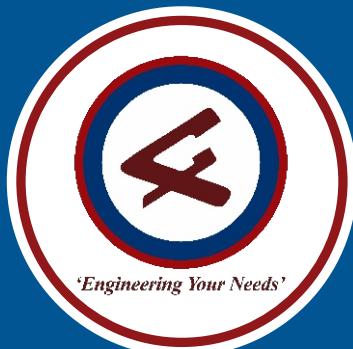
www.pts.group/in

PTS Industrial And Pipeline Technologies (India) Pvt. Ltd. is a 100% Subsidiary of **Plant Technology Services Group Ltd -UK**. Is managed by Highly professional engineers having nearly over 15 years of experience of Serving the Oil & Gas sector of The Republic Of India. Our team of highly qualified and experienced Engineers, Technicians and Operators will deliver both professional expertise and quality services. We are confident of understanding the client's specific needs and enquiries, whilst offering competent services at the best of Industry Standards.

PTS SA GENERAL TRADING L.L.C

www.pts.group/me

PTS SA General Trading L.L.C provides localized equipment supply, after sales support & specialized services through its associated companies in the MENA region to the Oil and Gas, Water and other Utility pipelines including the Process plants such as Refineries, Petro Chemical, Fertilizer, Power and Water desalinization, Aluminum/ Iron and Steel Plants, Chiller Units, District Cooling Plants.



F4 INDUSTRIAL AND PIPELINE ENGINEERS (INDIA) PRIVATE LIMITED

www.f4holdings.com/ipe

F4 Manufactures and Fabricate Industrial & Pipeline Maintenance Services Equipment such as Catalyst Handling Equipment, Hot Tapping and Line Stopping Equipment's and Accessories including Hot Tap and Line Stop Fittings etc. In India **F4** Manufactures under the License and Technical know how from **Plant Technology Services Group Ltd - UK** since 2015. Having its facilities based in Padubidri, Udupi District - Karnataka - India, it was set up with a primary goal of becoming a leading Manufacturer and Supplier of Industrial & Pipeline Maintenance Services Equipment in India and Globally.

Activities

Hot Tapping Machines & Accessories | Line / Flow Stop Equipment's & Accessories | Hot Tap / Line Stop Split Tees / Innovative Pipeline Fittings |
High / Low Pressure Leak Repair / Encapsulation Fittings | Catalyst Handling Equipment's | Industrial Maintenance Equipment's / Accessories

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OUR FACILITY

PTS GROUP has a well-equipped Manufacturing and Service Facilities in UK and India including a Distribution & Services Center in UAE for its Global Operations.



UK



INDIA



MIDDLE EAST

PTS GROUP is rapidly Cementing a Strong Reputation in the Pipeline Industry for Reliability, Professionalism and Quality of Workmanship. **PTS GROUP OF COMPANIES** ensure these values continue to Establish as the Leader in the Industry for Advanced Industrial and Pipeline Maintenance Services.

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HOT TAPPING

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- **Hot Tapping** or Under Pressure Drilling is the method of attaching a branch connection to existing Pipelines or vessels or any other process equipment while the existing system is under pressure.
- This method employs a Tapping Machine and a full bore valve and either a nozzle or a full encirclement Fitting (Split Tee) welded to the existing pressurized system.
- The Tapping (Drilling) Machine, generally consists of a telescopic boring bar mechanically driven by our specially designed gear box which advances a cutting tool.
- **PTS Group** can Hot Tap from $\frac{1}{2}$ " to 96" sizes; from vacuum to 1480 psi Pressure with a Temperature limit of 700 deg. F. The flange Rating is in range of 150 Lbs. through 900 Lbs. ANSI ratings.
- **PTS Group** Tank/Sump/reservoir Hot Tapping (Drilling) services can drill through all the main tank walls with reinforcement bars in place. Being under pressure allows for a new line to branch from the digester/reservoir with a valve in place for flow control. We can drill through a concrete wall of thickness ranging from 200 MM to 1500 MM, with the option to drill in various nominal bore sizes, PTS Group can undertake such projects on Turnkey basis from Site Survey, Design, Manufacture and Installation.

HOT TAPPING

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



Line stopping involves halting the flow and offering an optional bypass to isolate a specific section for repairs or alterations, ensuring that the line medium can still be directed downstream if required.

Line stopping can be performed on Various piping materials and for a variety of media such as gas, oil, water, steam, process piping & sewage, etc.

- Pipelines can be modified without interrupting the actual working parameters.
- Reduce the downtime by isolating just the necessary section of a pipeline during maintenance or repairs.
- Isolating the essential section for maintenance or repair is a cost-effective alternative to a complete pipeline shutdown.
- The Line Stopping Service mitigates the necessity of a full pipeline shutdown, eliminating the emptying of line mediums, purging for safety measures, thereby minimizing accident risks, and enhancing worker safety.
- Eliminates need for bulk transfer and storage of harmful fluids.

PTS Group can provide Line Stopping services on DN80 TO DN1500 [3" to 60"] Lines at High Pressure on multiple mediums.



LINE
STOPPING/PLUGGING

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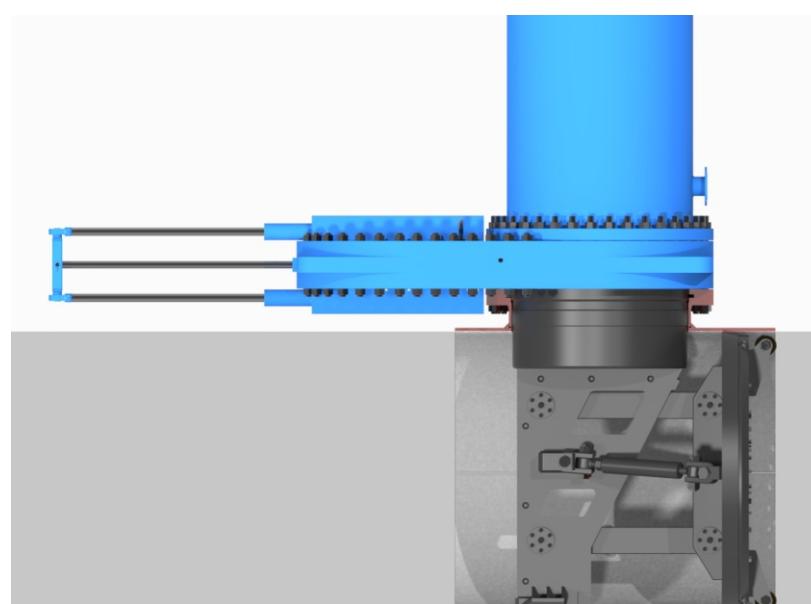
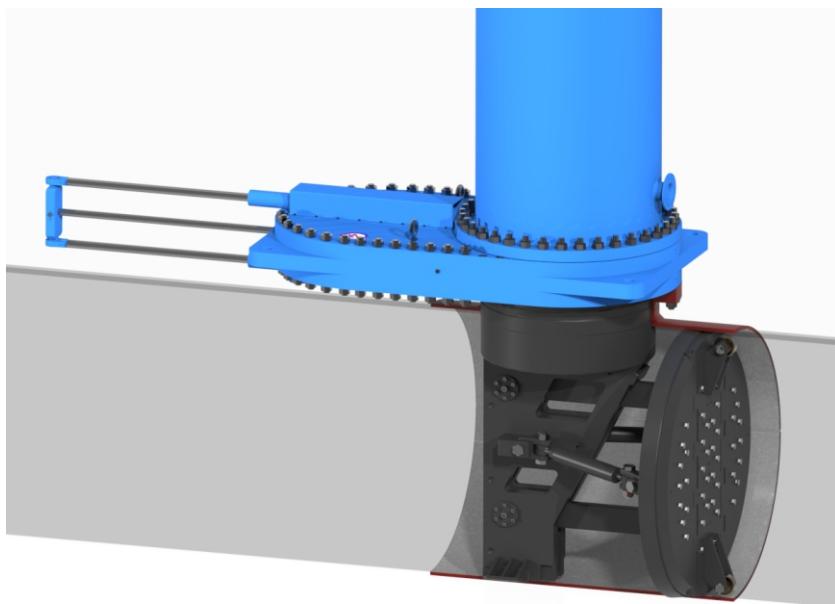
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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

[For Larger NB Pipe with Low Pressure / Flow Applications up to 8 BAR]

PTS Group provide Line Stopping activity for Low Pressure product Lines from 30" to 102" having Pressure up to 8 BAR. We provide positive Sealing for Pipeline of Pressure Rating ANSI 150# or PN 16 using the Line Stop Folding Head Mechanism.



LINE
STOPPING/PLUGGING

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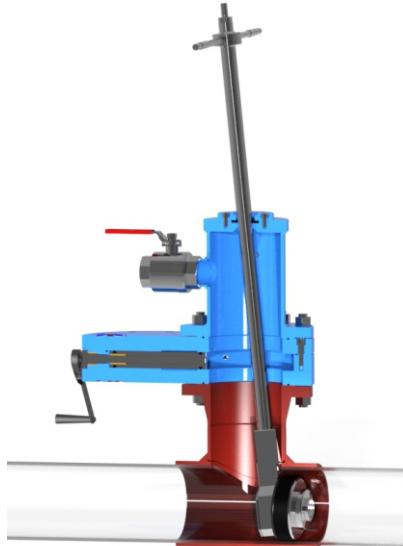
HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

POSITIVE SEALING FOR SMALL DIAMETERS

Power Stop is a popular and proven expanding Line Stopping equipment in sizes of 3" to 12" used mainly on gas utilities and water lines world wide.

The positive seal provides two distinct advantages

- The rubber seals expand 20 mm in range and takes up ovals or build up within the pipeline.
- The Mechanical Special seal allows new section of pipe to be pressure tested between the stops.



POWER STOP

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Pipe freezing (Cryogenic) for temporary pipe isolation has become the safest, cheapest and most effective method for allowing valve replacement and general pipework modifications.

Fluid in the system no longer needs to be drained down. Therefore valuable time can be saved, and the costly process of refilling and venting can be avoided. Toxic fluids do not have to be drained and stored or at worst disposed of and then replaced.

The Pipeline materials that can be subjected to cryogenic temperatures include Carbon steels, aluminum alloys, Cast iron, Stainless steels, Epoxy coated pipes, Nickel alloys, Copper base alloys. Pipeline fluids that can be crystallized to form an ice plug include: Fresh water, Glycol solutions, Sea water, Effluents / Sewage, Produced water etc.

PIPE FREEZING

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



PTS Group Can Perform Hot Tapping Operations On High Temperature and High Pressure Product Lines with our specially Developed Pressure Balancing Machines from 2 Inch to 36 Inch.

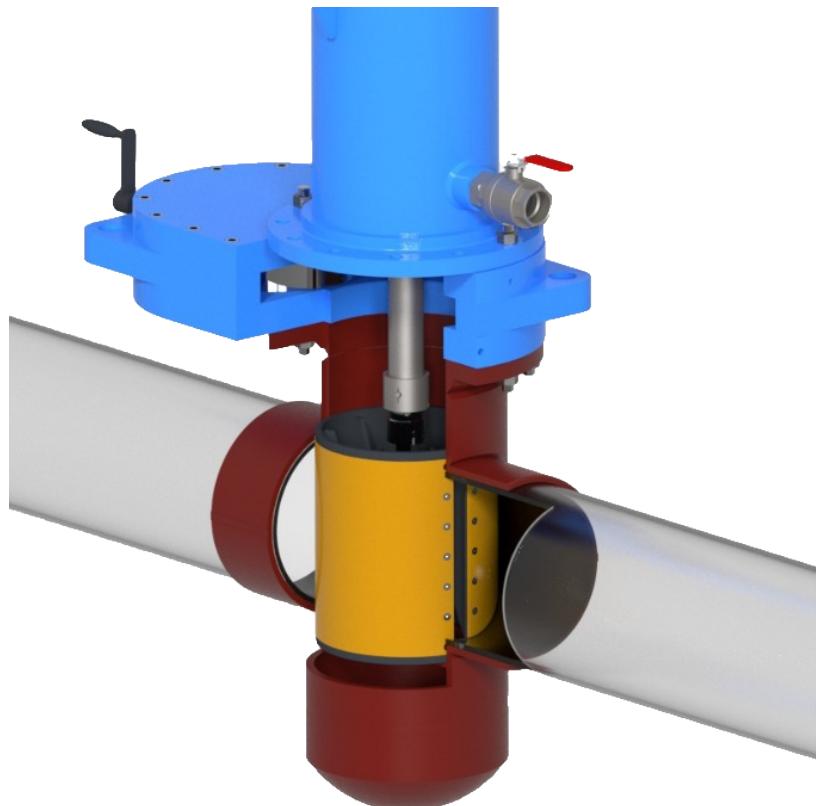
**HIGH PRESSURE /
TEMPERATURE TAPPING**

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



PTS Group Can provide Positive Sealing for High Temperature and High Pressure with our in house Developed Technology **High Pressure and Temperature Line Stop**.

HIGH PRESSURE & TEMPERATURE LINE STOP

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



Online Valve Inserting is the installation of a unique **Power Valve** into a pressurized system, either mechanical or welded.

Power Valve is a new development in the Oil & Gas, Water and process pipeline field wherein a fully functional valve is inserted into a pipeline. Standard valve operating devices can operate the valve rated up to 16 bar pressure. Sizes 3 Inches to 36 Inches The valve rated to 16 Bar is capable of being operated with a standard valve operating the key.

The unique **Power Valve** will work on any pipelines and can be installed in one excavation. Since there is only a requirement for one excavation instead of the traditional five excavations associated with replacing a large diameter valves using Line Stopping and Bypass the cost savings are immediately apparent Sizes Ranging from 300 mm through to 700 mm 16 Bar Sizes Ranging from 700 mm through 900 mm 10 Bar.



ONLINE VALVE
INSERTION

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

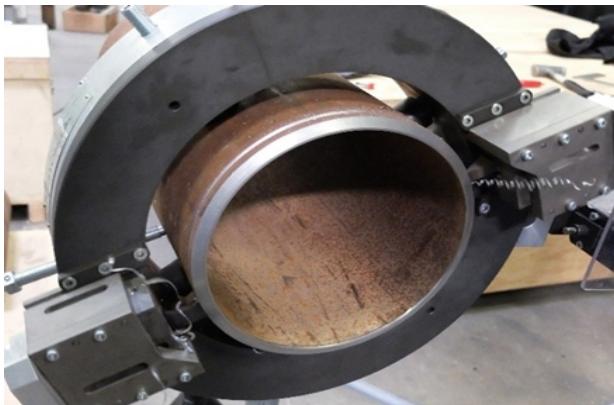
PTS Group with its range of onsite machine tools has the capability to achieve machine shop repairs on-site.

ON - SITE MACHINING

- Cold Cutting & Weld End Preparation
- Flange Facing
- In-Situ Milling
- Line Boring
- Cutting Activities during Decommissioning of Platforms & Installations with Diamond Wire Saws, Casting Slitters and Pinning Machines

Cold Cutting is a procedure used to cut through a material without using Heat or a Flame, and without producing sparks. This makes the process the safest method for cutting structures in Hazardous Environments.

Flange Facing is the process through which the machining work resurfaces the Flanges. It helps to create new mating surfaces that ensure a perfect seal when you assemble it.



ON - SITE
MACHINING

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



PIPE REPAIR CLAMPS

PTS Group repair clamps have been designed to withstand all standard pipeline pressure applications and offer a quick yet professional solution to a leaking pipe.

Fabricated at our workshop, the clamps can be supplied with a ring seal for localized damage or WRAS approved sealing mat with side restraint options for a full solution. Installed mechanically using captive bolts in bespoke size ranges to suit your pipeline required.



PIPE REPAIR CLAMPS

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES



Power Valve, Power Stops and Combined Valve Tee are our innovative contribution to the pipeline field and are special patented technology offered to the clients.



INNOVATIONS

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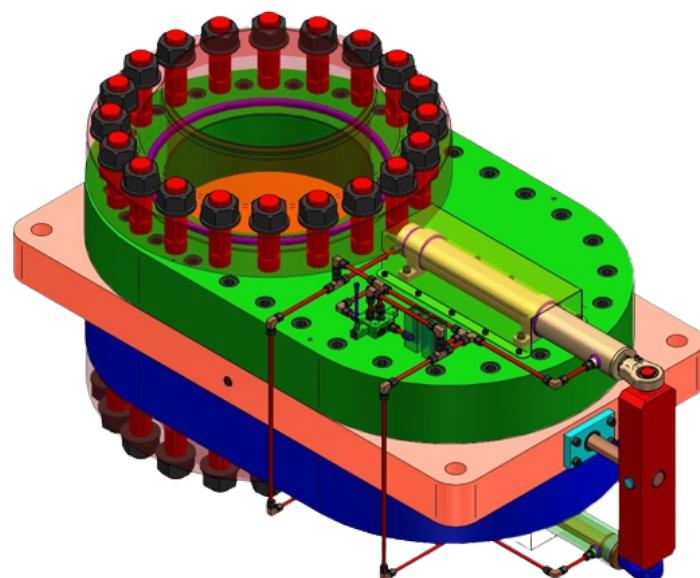
HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

PTS GROUP has its own in-house set up for Design and Engineering based in **UK & India**

Engineering team at **PTS GROUP** with extensive experience design the online service process based on the client's requirements, technical Parameters, the site Conditions, statutory and standard requirements. They then create a solution that is specific to the situation at hand.

For the onsite service and for retail sales, machine and equipment's are designed in-house. Also, the Accessories, fittings, spares and components are engineered to the requirements to achieve optimal result and cost effectiveness.

We are able to supply and source the best Technologies, Components, Accessories and Engineering to our client / site of work.



**DESIGN AND
ENGINEERING**

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MANUFACTURING
FACILITY

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

Hot Tap Equipment & Accessories

PTS GROUP manufacturers Highly Specialized & Sophisticated Equipments such as Hot Tapping Machines and its Accessories.



HOT TAP EQUIPMENT
&
ACCESSORIES

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

- Line Stop Cylinders (Actuators) Various sizes
- Line Stop Housings With by-Pass and Without by-Pass
- Line Stop Head (For Low and High Pressure Applications)
- Sealing Elements
- Sandwich Valves



LINE / FLOW
STOP EQUIPMENT'S

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

Some of our prominently manufactured Fittings

- Hot Tap / Line Stop Split Tees
- Hot Tap Split Tees with Flow Through Guide Bar
- Three-Way Tee



**HOT TAP & LINE STOP
FITTINGS**

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HIGHLY SPECIALIZED PIPELINE REPAIR & MAINTENANCE SERVICES

PTS Group can Design and Manufacture specialized pipeline fittings such as Dismantling Joints, Restraint Couplings, End Restraint Couplings, Flange Adaptors, Self Sealing Leak Repair Clamps, flanges, valves, etc.



SPECIALIZED PIPELINE
PRODUCTS

PLANT TECHNOLOGY SERVICES GROUP

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OUR GLOBAL PRESENCE

UK

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MIDDLE EAST

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