PROCESS & LINE PIPES
CS Seamless Pipes and Tubular

- CS Seamless tubular, size OD 1/2” to 24”, with W.T up to Sch XXS/ Sch 160
  Specification: API 5L Gr B, X Grades, ASTM A53/A106/A333

- Alloy Seamless Pipes from OD 2” to 26”
  Specification: A335 GR P1/P5/P9/P11/P22/P91/P92

- Tubing with OD 25.4mm up to OD 141.3 with W.T. Max up to 15mm
  Specification: A179
CS Seamless Pipes and Tubular

- **CS HF** – ERW Pipes from OD 2” TO 26” with W.T up to 18mm
  Specification: API 5L (45th EDITION) PSL 1 & PSL2, GR B / A53

- **HSAW** – from OD 16” TO 120”, Max W.T up to 25.4mm
  Specification: API 5L (45th EDITION) PSL 1 & PSL2, GR B / X42 UPTO X100

- **LSAW** – From OD 16” to 275” with W.T up to 130mm
  Specification: API 5L (45th EDITION) PSL 1 & PSL2, GR B / X42 UPTO X100
  API 5L X52 PSL2/2H-50
  A671 / A672 (ALL CLASSES)
  A691 (Mo – Alloy / Cr –Mo Alloy / Ni- Alloy / Mo-Ni Alloy)
**SS Pipes & Tubes**

- Stainless Steel (300 Series), Duplex, Super Duplex Stainless Steel, Nickel Alloy and Metallurgically clad pipes from OD 3’’ to 80’’ (welded) with W.T up to 63mm (with one or two longitudinal seam / multiple-circular welds)

- Seamless Stainless pipes from OD 1/8’’ to 16’’ with W.T up to SCH XXS and up to 24’’ OD in SCH 10S, SCH 20S, SCH 40S.

  Specification: A312 /A358 CLS 1,2,3,4,5 / ASTM A790 / ASTM A928 CLS 1,2,3,4,5 / ASTM 775 / 904LVV

- Tubing with OD 25.4mm up to OD 141.3 with W.T max up to 4.6mm.

  Specification: A213 / A269
Seamless Pipes
- Carbon Steel
  API 5L Gr B
  API 5L X Grades: 42; 46; 52; 56; 60; 65; 70; 100
  ASTM A 53 gr B
  ASTM A 106 Gr B
  ASTM A 333 Gr 3 & Gr 6
- Alloy Steel
  ASTM A 335 P1; P5; P9; P11; P22; P91
- Stainless Steel
  ASTM A 312 TP 304; 304H; 304L

Welded Pipes
- Carbon Steel
  API 5L Gr B
  API 5L X Grades: 42; 46; 52; 56; 60; 65; 70
  ASTM A 671;
- Alloy Steel
  ASTM A691
- 3-Stainless Steel
  ASTM A 312 TP 304; 304H; 304L; 316; 316H; 316L; 321; 321H; 310S; 317;
  317L; 347
  ASTM A 358 TP 304; 304H; 304L; 316; 316H; 316L; 316Ti; 321; 321H; 310S;
  317; 317L; 347

OCTG Pipes
- API 5 CT H40; J55; K55; M65; N80; P110
- API 5 CT L80 TYPES 1; 9Cr; 13Cr
- API 5 CT L90 TYPES 1;2
- API 5 CT L95
- API 5 CT T95 TYPES T1;T2

Piping Accessories
- ELBOWS 45°, 90°, 180°
- Induction Bends
- Tees – Straight, Reducing, Concentric & Eccentric
- Fittings & Flanges in exotic materials
- Forged Steel Fittings: ASME B16.11
- Line Spades; Spacers and Line Blinds
- Gaskets
- Nuts & Bolts

General Pipe Conditions
- End Connections Line Pipes:
  Plain; Bevel; Screwed; Screwed & Coupled
- End Connections OCTG Pipes:
  Full range
- Sizes:
  Up to 72”nb full range within ASME B36.10M and API 5 CT
- Wall Thicknesses
  Full range within ASME B36.10M SCT APT
- Special requirements
  Coatings FBE & LDPE; NACE; PSL 1 & 2; NDE
Butt Weld Fittings
ASTM B16.9 & MSS SP 75

- Carbon Steel
  ASTM A 234 WPB; WPHY 42; 46; 52; 56; 60; 65; 70
- Alloy Steel
  ASTM A 234 WP 1; 5; 9; 11; 22; 91
- Stainless Steel
  ASTM A 403 WP 304; 304H; 304L; 316; 316H; 316L; 321; 321H; 310S; 317; 317L; 347
- Sizes
  Up to 60”nb
- Wall Thicknesses
  Full range within ASME B36.10M

Flanges
ASTM B16.5 & B16.47 A & B

- Carbon Steel
  ASTM A105
  ASTM A350 LF2; 3
  ASTM A 694 f 42; 46; 52; 56; 60; 65; 70
- Alloy Steel
  ASTM A 182 F1; 5; 9; 11; 22; 91
- Stainless Steel
  ASTM A 182 F 304; 304H; 304L; 316; 316H; 316L; 317; 317L; 347
- Sizes: up to 60”nb

Subsea Forged Fittings & Connector

- Flanges - Anchor; Compact; Swivel; Hanger; Misalignment
- Clamp-type Hub Connectors
- Piggable Wyes
- Barred Tees
- Buckle Arrestors
- J-Lay Collars
VALVES & ACTUATORS
With decades of experience in the supply of valve packages and strong ties with numerous reputed valve makers, ACTEON's Valves & Instrumentation Division are the ideal partners to meet all your valves and instrumentation needs.

Our team of trained engineers are capable of providing the best solutions at the most competitive prices and are able to assist our clients in the right selection of material towards optimization of their requirements/specifications. ACTEON, can provide you with bespoke solutions specific to your project requirements. In addition, ACTEON's quality personnel monitor performance at our sub-vendors, conduct shop visits to ascertain progress of orders and employ a strict quality procedure to ensure that our sub-vendors meet or exceed clients' requirements and ours. Drawings and documentation are always prepared and/or reviewed by our project team to ensure compliance with our client's requirements.

In addition to the supply of valves and instrumentation, ACTEON are also capable of providing Logistics support, stocking facilities and material management. Our stock yards are capable of handling large quantities of valves stocks, and include personnel trained to perform periodic preventive maintenance, re-tests and re-certification. Our Valve Actuation Center can also provide automation services, repairs, refurbishment etc., to meet the requirements of our clients.

Our range of products include but are not limited to:

- Gate Valves (Flex Wedge, Through Conduit, Slab, Parallel Slide, PSB, Bellow Sealed, Knife etc)
- Butterfly Valves (Concentric, Double Offset, Triple Offset, Double Block and Bleed)
- Ball Valves (Trunnion, Floating, Full Welded, Top Entry, Side Entry, DBB, 3-way, 4-way, etc.)
- Plug Valves (Lubricated, Non Lubricated, Non-Lubricated Metal Seated, DBB, Lined etc.)
- Globe valves
- Check Valves (Piston, Swing, Dual plate, Nozzle, Tilting Disc, Counter-weight etc.)
- Strainers (Y-Type, Conical, Basket)
- Sampling Valves
- Control Valves
- Steam traps, Manifolds, Steam management equipment & Humidifiers
- Actuators (Pneumatic, Electric, Gas Over Oil, Hydraulic, Electro-Hydraulic etc.)
- Interlocking Devices
- Instrumentation (Pressure, Temperature, Level & Flow )
Valves

- **Gate Valves**
  - Wedge
  - Penstock / Sluice
  - Through conduit

- **Globe Valves**
  - Piston
  - Ball
  - Swivel disc

- **Check Valves**
  - Swing
  - Axial flow / Nozzle
  - Wafer
  - Spring return

- **Ball Valves**
  - Floating
  - Trunnion Mounted
  - Soft & Metal seated

- **Plug Valves**
  - Sleeved
  - Lubricated

- **Butterfly Valves**
  - Concentric rubber lined
  - Double/Triple offset

- **Choke Valves**
  - Positive Inline
  - Adjustable

- **Double Block & Bleed Valves**
  - Ball valve design
  - Butterfly valve design
  - Twin seal plug valve design

- **Control Valves**

- **Pressure Reducing Valves**

- **Safety Relief Valves**

- **Piston Valves**

- **Crown Valves**

- **Pressure Vacuum Relief Valves**

- **Breather Valves**

- **Diaphragm Valves**

- **PFA/PTFE Lined Valves**

- **Valve Locking Devices**

- **Acteon Project Services Ltd**
• **Ball Valves**
  - Design standards: API 6D; API 608; BS 5351
  - Sizes: 1/4” nb to 56”nb
  - Floating or Trunnion-mounted
  - Firesafe to API 607; API 6FA and BS 6755-2 / ISO 10497-2
  - Full or Reduced Bore
  - Construction: 1,2 or 3 Piece; Welded; Top-Entry
  - Design to ANSI B16.34
  - Operation by Manual hand wheel/Gearbox or Actuation
  - Double Block & Bleed; Emergency Shut Down
  - Sub-Sea API 6D SS
  - Multiple Trims & Pressure Ratings
  - Soft or Metal seated
  - Cryogenic
  - Extended Stem for Buried Service
  - Jacketed
  - NACE MR-01-75
  - End Connections: Flanged; Butt Weld; Hub-Ends; Socket Weld
  - Threaded
  - Forged or Cast Construction- Carbon, Stainless & High Alloy

• **Plug Valves**
  - Design Standards: API 599;API 6D
  - Sizes: 1/2”nb to 14”nb
  - Lubricated or Sleeved
  - Operation by Manual, Hand Wheel/Gearbox or Actuation
  - Desalination/Reverse Osmosis Applications
  - Pressure Ratings to Class 900lbs

• **Butterfly Valves**
  - Design Standards: API 609; MSS SP 67; MSS SP-68
  - Sizes: 1/2”nb to 72”nb
  - Multiple Trims & Pressure Ratings
  - Sealing by Lining or Seats
  - Soft and Metal Seated
  - Double or Triple Eccentric
  - End Connections: Wafer; Wafer Lugged; Butt Weld; Flanged
Valves

- **Wafer & Swing Check Valves**
  - Design standards: BS 5352; API 6D; API 594
  - Sizes: 1/4”nb to 48”nb
  - Closure: Piston; Ball; Swing; Lift; Tilting Disc; Single & Double Disc Wafer-type

- **Globe Valves**
  - Design Standards: BS 5352; BS 1873
  - Sizes: 1/4”nb to 18”nb
  - Configuration: Straight, Angle, and Y-Type

- **Gate Valves**
  - Design Standards: API 6D, API 600, API 602, BS1414
  - Sizes: 1/4”- 72”
  - Closure: Screwed NPT/SW/BW/Flanged RF & RTJ
  - Merla ACV Series
  - Adjustable Choke Valve
  - Merla positive Inline Choke Valve
  - High Pressure Adjustable Choke Valve
  - Motor Flow Control Valves

**Parameters for Check, Globe, and Gate Valves:**
- Multiple Trims & Pressure Ratings
- Cryogenic
- NACE MR-01-75
- End Connections: Flanged; Butt Weld; Socket weld; Threaded
- Forged or Cast Construction
- Bonnet: Bolted; Pressure Sealed; Welded
Cryogenic Gate valves

- Liquefied Gas
- Flanged or welded connection
- Range of working temperature -196°C to +538°C
- Class 150-1500, NPS 2”-12”
- Unreduced flow
- Non-turning stem & bolted body-bonnet joint

**Operations**

- Hand wheel
- Hand wheel with gearing
- Electrical actuator

Cryogenic Gate valves

- Floating or trunnion mounted
- Liquid nitrogen, oxygen and LNG
- Flanged or welded connection
- Range of working temperature -30°C to -196°C
- Class 150-900, NPS 2”-30”
- KEL-F seals and seats or inserts guarantee best performance in cold conditions
- Equipped with anti-blow stem and antistatic device

**Operations**

- Pneumatic actuator
- Hand-wheel with gear box
- Electrical actuator

Globe & Butterfly valves are also available
Actuators

- Electric on multi & part-turn applications, including ON / OFF, APT (Analog Position Transmitter) & Proportional (from 4 - 20 mA output signal)
- Pneumatic (DA or SR) on part-turn applications, including ON / OFF, APT (Analog Position Transmitter) & Proportional (from 4 - 20 mA output signal)
- Hydraulic on multi & part-turn applications
- Gas on part-turn applications
Mechanical & Electronic devices for the measurement of:

- **Pressure**
  - Switches (gauge or differential types)
  - Gauges (tube, capsule, diaphragm, differential types)
  - Sensors / Transducers
  - Transmitters (fixed range or smart and configurable type)
  - Diaphragm / Tubular Seals
  - Pressure limiters, Dampeners, Siphons, Cocks & Valves

- **Temperature**
  - RTD Sensing elements (probes, sensors...)
  - Infrared pyrometers
  - Bimetallic thermometers
  - Gas filled thermometers
  - Mechanical switches
  - Accessories
Mechanical & Electronic devices for the measurement of:

- **Level**
  - Potentiometric level measurement
  - Level switches / sensors for hygienic application
  - Magnetic or Glass level gauges
  - Magnetostrictive level transmitters
  - Guided wave radar transmitters
  - Laser transmitters
  - Ultrasonic transmitters & switches
  - Vibrating level switches
  - Thermal dispersion level switches

- **Flow**
  - Transmitters
  - Switches
  - Meters
Instrumentation

- **Test & Calibration**
  - Precision pressure gauges
  - Tube manometers
  - Pressure generators
  - Portable pressure calibrators
  - Portable calibrating systems
  - Dead-weight tester
  - Dry block portable calibrators
  - Portable / Non portable temperature bathes
  - Reference temperature probes

- **Inductive Conductivity Transmitters**

- **Control Cabinets**

- **Solenoid Valves**
  - Direct acting type
  - Pilot operated poppet type
  - Diaphragm operated
  - Namur solenoid vales
  - Redundant operation
STRUCTURAL STEEL
Main Markets

- Offshore Platforms
- Scrapper Decks
- Sub-Sea Pipe Line & Riser
- IFPSO/FLNG vessels
- Jack Up Rigs
- Single point Mooring System
- Barge Building
- Marine Industry
- Pressure Vessels
- Chemical/Power Plants
- Refineries
- Ship Building
Tubular Product available Ex Stock

- Seamless API 5L X52/EN10225 S355G15+M/N
- OD range from 4” to 20”
- WT range from 6.05mm to 31.80mm

Seamless Line Pipes available Ex Stock

- API5L X60/65 (Sour Service)
- OD range from 2” to 16”
- WT range from 6.05mm to 36.00mm

SAW/ERW PIPE (API 5L X52, X60 & X65) available Ex Stock

- OD range from 20” to 36”
- WT range from 6.05mm to 31.80mm
**Plates**

- High yield structural steels (EN10025 S355J2+N & S355 K2+N)
- Offshore quality grades (API 2W, API 2H GR. 50 EN10225 S355G8, S355G10+N/M).
- Shipbuilding steels includes ABS AH36, DH36 & EH36
- Plate Thickness range from 6mm to 200mm

**Beams and Sections**

- American (W Size)
- British (UB/UC size)
- European (IPE, HE, UPN)
Structural steel materials could be offered in different supply conditions:

- As rolled
- Normalized
- Quenched and tempered (Q&T)
- Thermo-mechanically controlled (TMCP)

Structural steels with supplementary requirement including:

- Simulated post-weld heat treated (PWHT) tested
- Through thickness tested
- Ultra-sonically tested
- Strain age impact tested
- Low Carbon
- Low Sulphur

Structural steels Pipes Seamless & Welded Certification as per EN 10204-3.2:

- TPI offered by
  ABS
  Bureau VERITAS
  Lloyds
STEEL FOR PRESSURE VESSEL, BOILERS & TANKS
Hot rolled plate
- A285 Gr C
- EN10028 Gr P265 GH, P295 GH, 16Mo3, 13CrMo4-5, 10CrMo9-10, P275NH,
- P275NL1/2, P355NH, P355 NL1/2, P355 GH, P460 NH and P460 NL1/2
- A516 Gr 60, 65 and 70
- A537 Class 1, Class 2 and Class 3
- A387 Gr 5 / 9 / 11 / 22 / 91 Class 2

Tubes
- A179 Gr C
- A209 Gr T1, T1a, T1b
- A213 Gr T5 / T9 / T11 / T22 / T91 / T92
FILTRATION & SPECIALITY PRODUCTS
Filtration

Filters
- Basket Filters
- Simplex Filters
- Duplex Filters
- Cartridge Filters
- Carbon Filters
- Self Cleaning Filters

Strainers
- Conical Strainers
- Flat Strainers
- T Type Strainers
- Forged Strainers
- Cast Y Type Strainers
- Fabricated Y Type Strainers

Speciality piping products

Tank & Vessel Protection
- Pressure Vacuum Relief Valves
- Tank Blanketing Valves
- Vents
- Manways & Hatches

Safety Products
- Flame Arresters
- Exhaust Heads

Accoustic controls
- Acoustic enclosures
- Separator Silencers
- Pressure reducing Silencers: for Control Valves; Safety Relief
- Valves
- Absorptive Silencers

Separation
- Steam and gas/liquid separators

Miscellaneous
- Flow sight glasses
- Sample coolers
SPECIAL SITE EQUIPMENT
Construction project-related services and equipment:

- Scaffold supplies/installation/safety management
- Lloyds and DNV approved PFP (passive fire protection) systems
- Fast-track pressure vessel and steel fabrication works
- Extra-large diameter valves and fittings up to 150”
- Hazardous and non-hazardous lighting
- Complete dosing and mixing systems
- Sampling and chemical injection, odorization and detection systems.
- High pressure air-driven liquid systems, gas booster and air amplifiers
Accommodation and site equipment for projects in remote areas:

- Living quarters and accommodation for onshore and offshore projects

- All types of containers and prefabricated housing for fast mobilization, including housing, kitchen, canteen, water treatment, sewage treatment, hospital, sanitary containers, power stations, incinerator and laundry

- GRP water tanks for potable and non-potable applications (up to 20,000 m$^3$)

- Steel security fencing and mobile fencing

- Container petrol stations for gasoline, diesel, Jet A1 (helicopters and aircrafts), LPG (car and cylinders refuelling)

- H$_2$S shelter protection system

- Oil & Gas mobile testing laboratory

- Safety equipment: personal protective equipment and fire-fighting equipment

- Converted and armored vehicles: fire-fighting vehicles, ambulances, security and armored vehicles (cars/truck/mini buses), refrigerated vans and trucks, 4x4 -mini buses. Spare parts for all of the above
Line pipe and pumping station equipment

- API 610 pumps for Oil & Gas / ANSI for Water
- Line pipe, piping, coating
- Pig launchers and receivers
- Instrumentation (i.e. pressure gauges)
- Interlocking devices and installation
- Oil-into water analyzers and separators
- Emergency shutdown valves and solenoid valves
- Pipe services (sand blasting, beveling, coating, cement lining and galvanization)
- Valve Automation Center (actuator on-site survey and installation, steam and condensate audit, interlocks)
- Automatic welding system for line pipe, subsea, offshore and process

Civil works equipment

- Construction: graders, dozers, loaders, excavators, backhoes, forklifts, mobile cranes and scrapers
- Mining: mining trucks, shovels, excavators, drills and crushers
- Power & hydraulics: generators, batteries, compressors and pumps
PIPING FOR BUILDING & INFRASTRUCTURE
HVAC

- **Seamless Black Carbon Steel Pipe;** Size OD 1/2” to 24”, ASTM A53 Gr. B, Schedule 40 / 80 / Standard.

- **Welded Black Carbon Steel Pipe;** Size OD 1/2” to 64”, ASTM A53 Gr. B, Schedule 40 / Standard; BS 1387 Medium / Heavy.

- **Welded Carbon Steel Fittings;** ELBOWS 45°, 90°, 180°, Induction Bends, Tees – Straight, Reducing, Concentric & Eccentric Reducers.

- **UL Listed Grooved and Threaded Pipe Fittings;**
  - Shurjoint 300 psi Black Threaded Couplings & Fittings.
  - Shurjoint Painted Grooved Couplings & Fittings.
  - Shurjoint Grooved Valves for HVAC Pipelines.
  - Shurjoint Ring Joint shouldered couplings for diameters up to 96”
MANPOWER SUPPLY SERVICES
We offer a range of services to meet the needs of our clients in line with the ever-changing landscape of compliance in the region.

Our recruitment team has access to a rapidly expanding database of locally and regionally available candidates of all disciplines and skill sets. In conjunction with our international partners we benefit from having access to a large pool of candidates from Africa, Europe, USA, Asia and Australasia.

We support clients who operate in the Oil & Gas, Process and Petrochemical industries, Energy, and General Construction. We have specialist recruiters for all disciplines in addition to supporting Commercial, HSE and Quality Assurance departments.

We have extensive experience in the following fields of activity:

**SHUTDOWN PERSONNEL**
We have and continue to support the shutdown and outage needs of our clients in the region. We can source, trade test, locally accommodate, transport, payroll & mobilize/ demobilize specialist teams of personnel to carry out complete plant outages. We offer a proven end to end service with complete transparency to meet the client’s specific needs.
RECRUITMENT CAMPAIGNS
We organise both local and international recruitment campaigns for clients wishing to hire specific numbers of personnel. We provide a complete service including the sourcing of candidates and venue arrangements. A project team supports the campaign to ensure smooth operation and successful completion.

CALL-OFF CONTRACTS
Many of our clients require short term personnel on a call off basis. We can provide a tailored service to meet client needs and ensure complete compliance. These contracts generally support commission & start up teams, inspection and NDT activities and AD HOC specialist personnel.
INSPECTION SERVICES
We provide QA/QC | Vendor inspection | Third Party Inspection Services to the Oil and Gas, Petrochemical, Refinery, Fabrication and Mining Industries. Thus, with highly qualified inspectors in all disciplines, we are able to tailor inspection solutions to specifically meet our clients' needs.

We specialize in providing inspection coverage to Call outs, short-term turnarounds and long-term projects. We do provide worldwide inspection supports through our well-established network, and we can definitely meet your project schedule and budget.

Our highly-experienced team is available for 24×7 to assist you by providing technical support including Inspection Surveillance, Expedition, QA/QC coverage, Project bidding assistance, Audit preparation, Failure analysis, QC & NDE backlog removal, NCR Closeout, QC Procedures preparation, (ITP, PQP, QCP & AQP) and Project QA Turnover assistance.

In addition, our vast database of qualified and experienced freelance inspectors in Europe, Asia, Americas, and Africa enables us to offer coverage for all types of inspections, even at short notices.
MAINTENANCE SERVICES
Facility Management
Acteon leverages its design and construction expertise to offer complete facility management services that efficiently sustain safe and productive working environments.

Operations & Maintenance
Our experience in operations, maintenance, and asset performance improvement helps clients reduce operating costs, improve productivity, and increase the value of their existing assets.

Performance Technology
Acteon Performance Technology experts help Clients improve new-and-existing facilities through enhancing the effectiveness of Client assets, accelerating start-up activities, and increasing organizational effectiveness.
FIELD SUPPORT VESSEL SERVICES
ACTEON provides reliable crew boat services in support of vessels at anchor, offshore and accommodation, construction projects, stores transfers, towage, and other tasks required by our wide range of clients.

Our vessel captain and crew are highly experienced operators, and the crew boats are maintained to the highest standards ensuring our clients receive the most dependable, safe, and economical service available.

Our vessel support services covers:

- Personnel transfers to vessels at berth and at anchorage
- Delivery of stores, fresh water, and equipment to vessels at anchorage
- Personnel transfers to offshore and harbor construction job sites
- Offshore oil well platform support
- Emergency rescue and salvage work
- Towing of smaller vessels and equipment
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