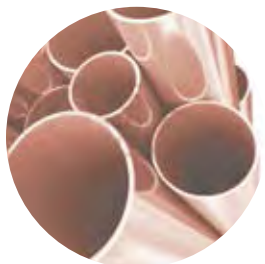
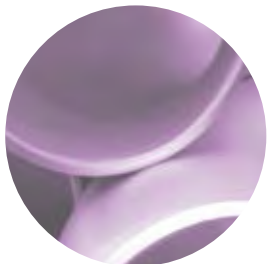
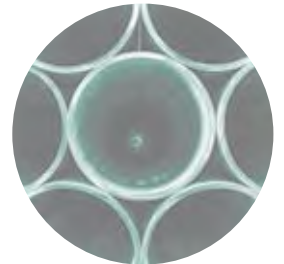
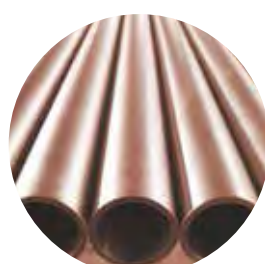
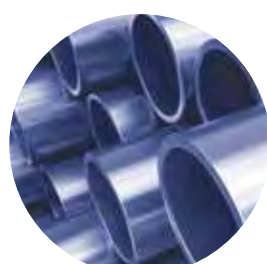




**GROUP**  
International Piping Products



***Complete Piping Solutions  
for the Oil, Gas, Petrochemical,  
Nuclear and Shipbuilding Industries***





**IPP Group - stockholders, manufacturers and fabricators; your one-stop global shop for complete piping solutions**

International Piping Products was founded in 1994 to satisfy the growing requirement for fast-track deliveries of specialist piping products to the Gas, Oil and Petrochemical industries.

By 2006 we had established a global foothold thanks to our ability to access and source even the most hard-to find piping supplies. Today, the IPP Group has offices in six continents ensuring rapid deliveries for even the most demanding orders and to the remotest locations worldwide.

**Our expertise**

Our team of highly qualified and skilled professionals is hand-picked for their industry knowledge and expertise. Our in-depth understanding of products, materials and their capabilities is underpinned by strong relationships with key industry manufacturers, a combination that makes us a world leading manufacturer and supplier.

**Our global network**

With a global reach extending from the UK into Europe, Singapore, Thailand, Australasia, South Africa and the Americas, our worldwide operation ensures that you can always rely on our local presence to provide full information and support from initial enquiries through to final order documentation.

Our office locations keep us close to the market and even closer to our customers, enabling us to respond and deliver on very short lead times, often in your language and in your time zone.

We can supply what you want, when you want it and where you need it, reliably and competitively.

**Our commitment to quality**

Our products are manufactured in accordance with the latest International standards. We offer full quality assurance in accordance with TUV ISO 9001 and NORSOK M650 plus inspections with test reports certified to DIN 50049 3.1.B and 3.1.C. Inspections include witness testing and certifying by Lloyds Register, the American Bureau of Shipping, Bureau Veritas, D.N.V and SGS.

We are also approved by many international oil, gas and energy companies including BP Exploration, Conoco Phillips, Exxon Mobil, Total and Statoil as well as being approved for the nuclear industry.

Additionally, we can provide testing to international standards on any materials supplied in accordance with:

- Chemical: spectrograph and wet analysis
- Mechanical: yield, tensile, charpy, shear, drop weight tear test, bend test
- Weld: weld procedures and weld testing
- Hardness: NACE hardness, Rockwell, Brinell, Vickers
- Corrosion: H.I.C (hydrogen-induced cracking), G28.

**Our core values**

We believe in treating all of our customers, suppliers and employees with the same regard and understanding.

We believe in strong, clear and concise communication with our customers and our suppliers on a regular basis.

We believe in the importance of building and maintaining strong relationships. Most of the people who deal with us are happy to continue to do so for a long time.

We are loyal to our customers in supplying their needs. We stand behind our employees and in return we have their firm loyalty to us.







**IPP Europe - the single source solution for all of your piping needs**



IPP Europe is a world leading super stockist of pipe, tubes, fittings, flanges and specialist forgings in Duplex, Super Duplex, 6Mo and Nickel Alloys, supplying to the oil, gas, petrochemical, shipbuilding and nuclear industries.

Our worldwide locations are strategically selected to meet the ever growing and changing demands of the industry. Our extensive stockholding and well established partnerships with the major manufacturers ensures fast access to premium quality stock, additional or replacement items with guaranteed deliveries at highly competitive prices.

For special projects we work closely with our customers to satisfy their specific product requirements from initial designs and specifications through to final manufacture, approvals and delivery.

Our unique blend of knowledge, skills and experience combined with leading edge products and supply solutions provide game-changing advantages for our clients and keeps IPP Europe at the forefront of global supply.



**High level stocks of piping with a quality brand of fitting manufacturer, competitive pricing, fast and reliable freighting**

IPP Europe holds extensive stocks of piping materials enabling us to respond immediately to your enquiries by accessing the products you need from our own stocks or from major manufacturers.

We tender for all orders, choosing the best prices that reflect product quality, volume and availability. Our logistics expertise is second to none and we have total command over worldwide freighting by sea, air, truck and rail transport. 24 hour service available upon request.

**Our materials**

- Duplex Stainless Steel      UNS S31803/F51
- Super Duplex Stainless Steel      UNS S32750/F53 & S32760/F55
- 6% Moly      UNS S31254 (254 SMO) / F44
- Nickel Alloys      Alloy 400, 625, 800 & 825
- Stainless Steel      304/304L & 316/316L
- API 5L Carbon Steel      X52, X60, X65 & X70
- ASTM A694 HYCS      F52, F60, F65 & F70
- Piping HYCS      4130 & 8630



**Topside piping**

- ANSI B16.5 Flanges
- ANSI B16.47 Flanges
- API 6A/60 X/17D Flanges
- ANSI B16.36 Orifice Flanges
- ANSI B16.48 – Spectacle Blinds
- Norsok L-005 - Compact Flanges
- ANSI B16.9 –Wrought Pipe Fittings
- Seamless & Seam Welded Pipe
- Buttweld outlets, flanged buttweld outlets

**Subsea piping**

- API 6A Type 6B and 6BX Flanges
- API 17D Type 17S and 17SV Flanges
- Forged Risers
- API and ANSI based Misalignment Connecting Flanges
- API and ANSI based Anchor Flanges
- API 5L Line pipe
- Forged Bulkheads
- Forged Studded Block Connectors – Tees and Elbows
- Heavy Wall Induction Bends 3D and 5D







**IPP Scomark (SPI) - world leading manufacturer of butt weld fittings, elbows, tees, reducers and ancillary pipe fittings**

Acquired by the IPP Group in mid-2008, Scomark (SPI) has been transformed from a small jobbing shop into a world class manufacturer of Butt Weld Fittings specialising in Duplex, Super Duplex, Nickel Alloys and Stainless Steel.

The company operates from a 7000 sq metre state of the art manufacturing facility and as part of the IPP Group is able to draw on vast raw material stocks enabling fittings to be made on short lead times.

Central to our manufacturing operation are our modern heat treatment furnaces and fully computerised, multiple thermocouple controlled quenching operation. Regular data backups to our servers enable us to provide the heat treatment charts at time of supply or at any time in the life of the fitting.

**Quality assurance**

Continued investment from the IPP Group has enabled IPP Scomark (SPI) to reach new levels of manufacturing excellence and achieve accreditations and approvals, including the much coveted Statoil Approval, NORSOK M650 for Duplex, Super Duplex and 6mo grades, quickly followed by accreditation from numerous other blue chip oil and gas operating companies.

Our nuclear approval for civil applications was attained in 2008. In 2012 we passed a stringent Manufacturing Capability Assessment (MCA) conducted by a FTSE 100 company, paving the way for IPP Scomark (SPI) to supply Next Generation Nuclear Power Plant Fittings to industry.

In-house quality controls to maintain and ensure traceability and quality include dye penetrant testing, Ferrite and PMI checks on both incoming raw material and finished product.

All mechanical testing and extra NDE are performed by UKAS approved laboratories.



**Our products and services**

Ongoing development in our manufacturing processes and tooling design ensure that IPP Scomark maintain our global position as the leading butt weld fitting manufacturer. Our wide range of products includes:

- Elbows long radius and short radius
- Tees - reducing, equal and barred
- Reducers - concentric, eccentric and specials
- Caps and stub-ends - tee and wye piece
- Bends - 20, 30 and Special design
- Forged fittings including flanged welding outlets.

We can also provide an impressive manufacturing service capability including fitting design and product calculations, prototype development and manifold extrusions.

**Accreditations and approvals**

- BP Exploration
- Conoco Phillips
- Exxon Mobil
- Occidental
- PDO Oman
- Rolls Royce Nuclear
- SABIC Saudi Arabia
- Shell
- Statoil Approval







**IPP Scomark Engineering - specialist fabricators to the Oil, Gas and Petrochemical industries**

The Scomark name has been associated with quality and excellence in the field of specialist welding for process industries for over 40 years. Today the brand has worldwide recognition for providing innovative solutions to a wide variety of technical and quality issues, placing it at the forefront of welding technology for topside and subsea fabrications.

In 2012 Scomark Engineering strengthened its position as a major player in these worldwide markets when it became part of the IPP Group. IPP Scomark Engineering has won numerous awards including the prestigious Queen's Award for Export and is highly respected for being able to provide one-off designs and bespoke fabrications where specifications require exacting standards of quality and dimensional control.

Our wide ranging portfolio of products has supplied several notable 'firsts' to the oil and gas industry:

- Duplex Manifolds extruded/fabricated – Oseberg B
- Super Duplex Manifolds – Vesslefrikk Project
- Super Duplex HIPPED Manifolds – Marathon East Brae
- 6Mo HIPPED Manifolds – Troll Gas
- Alloy 825 Manifolds – Marathon Brae B
- Alloy 825 / X60 Carbon Steel Bi-Metallic Manifolds – BP Miller
- Super Duplex Manifolds to Chapter IX of B31.3
- Elf Franklin
- Duplex Manifolds to Chapter IX of B31.3 – Phillips Jade

Now entering a progressive new era, the company continues to build on a vast history of providing premium quality technical and commercial solutions.



*The world's first bimetallic wellhead manifold in X65 clad with alloy 825*



**Welding and fabrication**

IPP Scomark Engineering has a worldwide reputation for manufacturing equipment operating at high temperatures and in highly corrosive environments to the highest standards of quality and stringent levels of dimensional accuracy.

We routinely fabricate materials from basic carbon steels right through to titanium grades and we have played a pioneering role in the development and welding of alloy materials - notably Duplex and Super Duplex for onshore, offshore and sub-sea applications for the oil and gas industry.

We hold over 1000 welding procedure qualifications spanning more than 70 material grades and combinations including;

- Carbon Steel Grades (from low temperature to high yield and CrMo)
- Austenitic Stainless Steels
- 6Mo
- Nickel Alloys
- Duplex & Super Duplex
- Titanium

We continuously monitor advancements in welding technology. In order to maximise production whilst maintaining the highest levels of quality we use manual and automated welding techniques that provide proven and repeatable high standard results:

- Gas Tungsten Arc Welding (GTAW)
- Shielded Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- Flux Cored Arc Welding (FCAW)
- Submerged Arc Welding (SAW)

**In-house testing**

- DPI (Dye Penetration Inspection)
- MPI (Magnetic Particle Inspection)
- PMI (Positive Material Identification)
- Hydro test
- Radiography



*Inlet manifolds in Incoloy 800HT*



*Carbon steel pig traps*





Test and production manifolds

### Manifolds

We design and fabricate manifolds for topsides and subsea applications, specialising in production, test and water injection manifolds operating at high pressures and in highly corrosive environments. Our innovative approach to design and manufacture enable us to offer cost effective solutions to complex technical requirements by offering manifolds produced by a variety of methods, for example:

- Fabricated – with pipe and pipe fittings and/or buttwelded outlets, threaded outlets and socket welded outlets
- Extruded
- Hot Isostatic Processed (HIP)

### Pigging equipment

We design and manufacture and test pig launchers, pig receivers, sphere tees and barred tees to specific customer requirements and international standards.

Our equipment is suitable for spheres, pigs, multiple launching and intelligent pigging applications in high yield carbon steel materials through to Duplex and Super Duplex grades. We also design and manufacture associated equipment including pig handling systems and skids.

IPP Scomark Engineering equipment is installed and successfully operating on manned and unmanned topsides platforms and for subsea applications.

### Vessels

We produce pressure vessels in special alloys or of specialised design requirements for onshore and offshore applications, including:

- Filter vessels
- Hydrocyclone vessels
- Degasser vessels.



Duplex pig trap

### Bespoke fabrications and technical services

With a worldwide reputation for excellence in welding and fabrication we specialise in manufacturing 'one offs' and bespoke fabrications, particularly when the specifications require exacting standards of quality and dimensional control. Products include skid packages, flare stacks, pipe-spool fabrication, weld overlay and flow loops.

We also offer a full engineering service incorporating mechanical design to many international standards including:-

- ASME VIII Div 1
- ASME B31.3 including Chapter IX
- ASME B31.4
- ASME B31.8
- Stoomwezen
- PD 5500
- EN13445

Computer Aided Drafting (CAD) and 3D modelling services are also available in-house.

### Quality assurance

We operate and maintain a quality system accredited by TUV NORD to BS EN ISO 9001:2008 and ISO 3834-2.

Each weld procedure has been qualified by independent third party authorities, to international standards including ASME, BS/EN, NORSOK and Stoomwezen.

We rigorously inspect all items during the manufacturing process and prior to despatch to ensure the very highest levels of product quality are achieved. We are also registered with both Achilles and FPAL. Following stringent audits of our manufacturing facilities we have been approved by the majority of international engineering and blue chip oil companies.

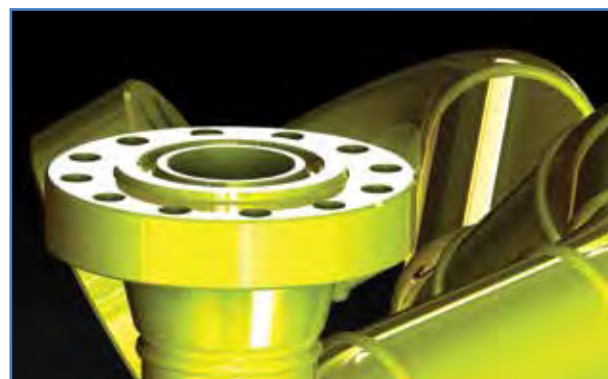


Quench fitting in stainless steel 321H



Start-up and production manifolds





### **IPP Mardale - subsea fabrication solutions**

Mardale was acquired by the IPP Group in 2010 and has since emerged as a leading supplier of specialist subsea fabrications from design and engineering to final welding and fabrication.

Our new fully customised premises employs state of the art technology including a clean condition fabrication facility with entirely separate carbon and stainless steel bays.

Our highly qualified welding and fabrication personnel are capable of performing intricate processes using advanced welding methods on a wide range of materials from High Yield Carbon Steel, Duplex and Super Duplex Stainless Steel and Nickel Alloys.



### **Our products and services**

We supply finished piping spools supplied ready to connect to the client's subsea installation. Each spool is prepared in-house in our bespoke alignment jigs in conjunction with state of the art FaroArm inspection equipment allowing final preparation of weld bevels in kit form, thus saving considerable time during welding.

Following material procurement and preparation the spools are fabricated to internal industry leading weld procedures.

Our highly qualified engineers oversee the required NDT requirements including radiograph, DPI, hardness, Feritscope®, PMI, ultrasonic and hydrostatic testing. After completion the spools are subject to pickling and passivation in our in house acid baths and finally epoxy coated prior to delivery to the client.

A comprehensive manufacturing record book accompanies each spool detailing every aspect of its creation.

### **Our commitment to quality**

We employ dedicated quality control and engineering personnel with many years experience of supplying piping products to the subsea oil and gas industry in addition to a commercial team with industry leading experience ranging from welding techniques and technical procedures to metallurgy and design engineering.

We offer our clients and their projects the highest level of commitment, regardless of the size of the order.

Manufacturing procedure qualification plans are available, backed up with a full complement of part and weldment geometric drawings, production plans, welding maps and supplementary technical documentation as required.

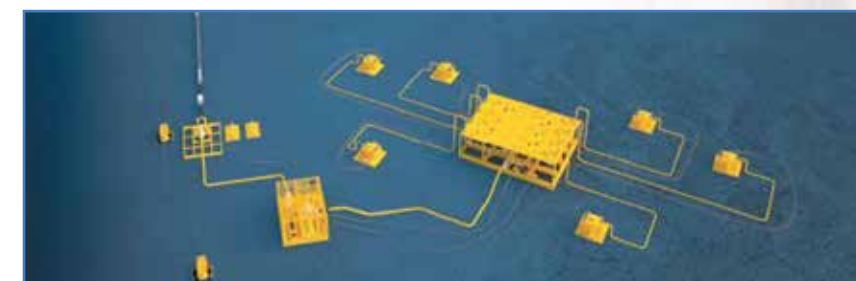
Due to this commitment to first class service we ensure that each and every order is fully project managed to guarantee on time deliveries and a quality focused product.

As part of this commitment to first class service we ensure the quality of each and every component, offering a full turnkey, extensively project managed solution.



### **Accreditations and approvals**

- ISO 9001:2008
- DD CEN ISO/TS 29001:2011
- ISO 3834-2:2005







**Integral Pressure Connections - high quality forged fittings**

Integral Pressure Connections (IPC) manufactures forged fittings, outlets and bespoke special connections in an extensive range of material grades for use in nuclear power plants, thermal power stations, chemical refineries, LNG plants, oil, gas and water pipeline transmission systems, offshore platforms and petrochemical plants. Our products are renowned for their high performance, durability and variety of designs and specifications. We can also manufacture fittings to customer drawings.

**Quality assurance**

We work to the most rigorous International standards. Product excellence is achieved by the enforcement of meticulous quality control, supported by the world class technical and commercial skills of our workforce. Our quality and inspection processes guarantee that everything is carried out with the utmost respect for human safety and regard for the environment.

The result is a quality conscious culture committed to total customer satisfaction.



**Products and material grades**

Based at the IPP Group headquarters we have access to unlimited worldwide stocks held by IPP Europe and the Norsok approved manufacturing division, IPP Scomark (SPI).

We manufacture forged fittings and outlets in an extensive range of material grades including Duplex, Super Duplex, stainless steel, carbon steel, alloy and nickel alloy in a comprehensive selection of different sizes and specifications.

- Forged Fittings ¼" NB to 4" NB in 3000 LBS, 6000 LBS, 9000 LBS available with NACE MR 01-75.
- Outlets ¼" to 24" in 3000 LBS, 6000 LBS, 9000 LBS
- Socket Weld (S/W) & Screwed (SCRD)
- Elbow 45 deg & 90 degree, tee, union, full and half coupling, cross, cap, swage nipple, plug, bush
- Buttweld outlets, socketweld outlets, elbow outlets, threaded outlets, nipple outlets, latro outlets, swept outlets
- UNS S31803 / UNS S32205 / UNS S32750 / UNS S32760 / UNS S32550
- Standard ASTM A 105/A694/ASTM A 350 LF3 / ASTM A350 LF2.







**Your worldwide partner**

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