

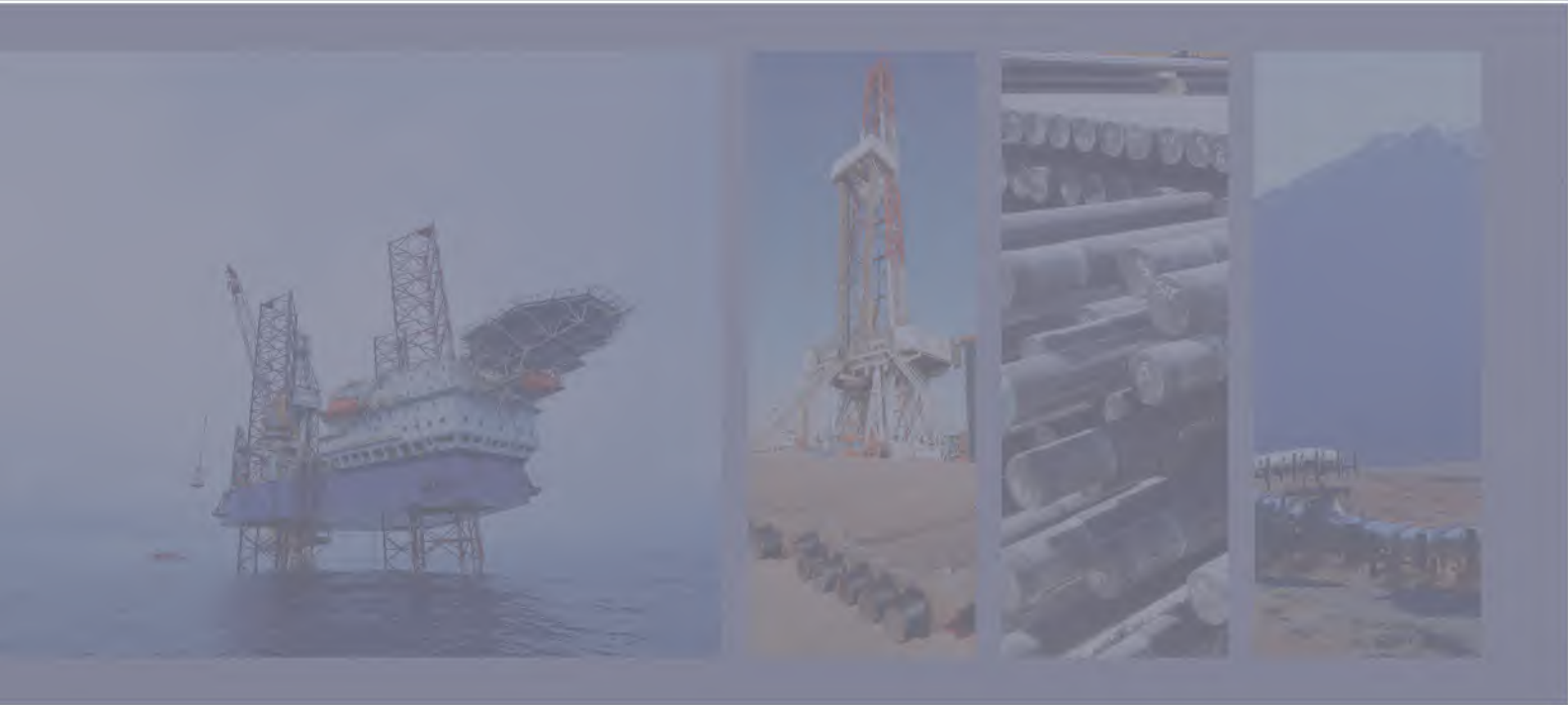
FERDOUS PETRO AHAN CO.



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FERDOUS PETRO AHAN CO.

Ferdous Petro Ahan Co. (Petroferro) is an oil field equipment procurement company active in the procurement, supply chain management, serving the booming energy sector in the middle east and Caspian Sea region. Established in 2007 and head quartered in Tehran-Iran the company has been founded to serve the need for our customers. Ferdous Petro Ahan Co. (Petroferro) focuses on expanding its market presence specially in Oil and Gas industry by supplying various equipment in the area of field development, refineries and pipelines. Our core competency is in supply of steel pipes, welded or seamless pipes as well as steel plates and coils, long products and flats for a variety of applications. We join forces with our global partners and affiliated companies to maximize our supply management efficiency with focusing on providing the best solution for our clients. Therefore quality all the way round, pricing and delivery in addition to sale services, expert technical and engineering advice are the key elements that added together will bring one word to our clients mind: TRUST

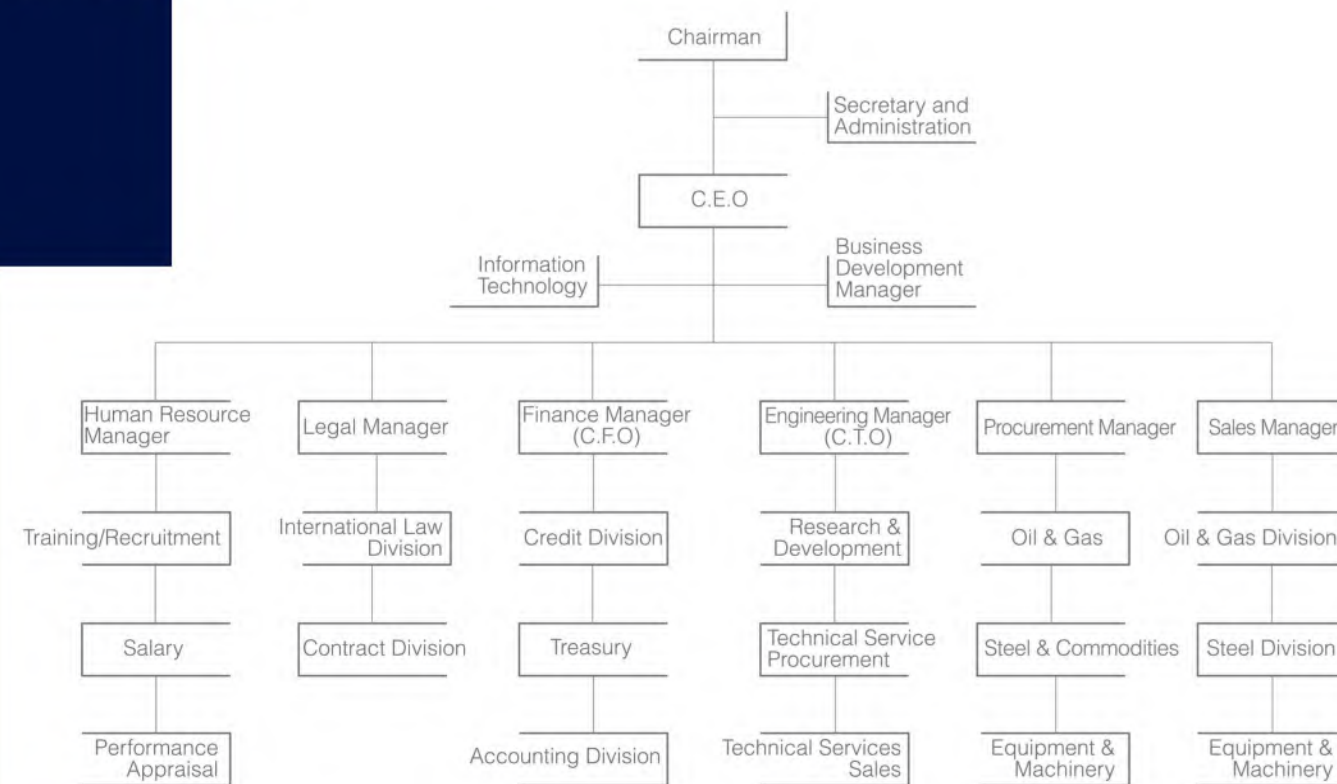




Organization Chart

At Ferdous Petro Ahan Co. (Petroferro) we have designed our Organization Chart in order to provide top management with specific department information that can be used as a baseline for planning, budgeting and workforce modeling. It's a compelling method for communicating valuable organizational information to all employees, as well as sharing the organization's strategic vision, defining responsibilities dependencies and relationships.

The O.C has enabled us to organize our team with clear responsibilities, titles and lines of authority



Our Strategy

Ferdous Petro Ahan Co. (Petroferro) has its vision to build its name, focusing on the Persian Gulf region , the Caspian sea oil and gas exploration, drilling, pipeline, refineries, which will be known for its ability to consistently, work as a reliable partner to all its clients.

We have therefore developed our strategy on the following basis:

1. Leverage technical and commercial expertise.
2. Focus on the region's growing energy markets.
3. Improve its supply chain capabilities.
4. Maintain significant procurement positions.
5. Seek value adding partnerships with prominent players in the industry.
6. Provide unmatched quality through teamwork.
7. Demonstrate outstanding customer service and project solutions.





Products

Ferdous Petro Ahan Co, (Petroferro) is committed to provide the best solution in the supply chain sector by responding to our client's requirements in the most professional way. We are active in the supply of all types of piping equipments, and fittings various steel products used in Oil and Gas sector. Since this sector is a vast but fragmented industry, we mainly focused on upstream projects such as onshore and offshore drilling field development, Gas and Crude Oil transportation through pipelines, design and construction of Gas and Oil refineries and Petrochemical Plants.

Providing the best solution for our clients requires advance know-how and experiences at every stage of the supply chain to ensure success. We have established direct communication channels with some of the most prominent manufacturers all around the globe and we mutually consider both party's efforts a proper understanding and commitments towards the end users. Our engineers are always available to provide customers, who are mainly the EPC contractors for large oil and gas firms, with expert technical advice on the material design stage and before material take off.

In the meantime we are ready to prepare and submit our techno/ commercial proposals upon receipt of client's requests for quotations.



Tubular Products

Ferdous Petro Ahan Co. (Petroferro) supplies all types of tubular products whether welded or seamless pipes for a variety of application including sour service, in accordance with API 5L or ASTM latest revisions. Upon our clients requests we are ready to consider and evaluate other specifications or standards.

CORRELATION BETWEEN API AND OTHER INTERNATIONAL STANDARDS

API 5L	ISO 3183 EN 10 208	NFA 49-211 NFA 49-411	BS 3602	ASTM A53	ASTM A33	ASTM A 106
Grade A			Steel 360	Grade A	Grade 1	Grade A
		TUE 220			Grade 3,6	
	L 245NB	TUE 250		Grade B		Grade B
		TUE 275	Steel 430			Grade C
X42	L290NB	TUE 290				
X46		TUE 320				
X52	L360NB	TUE 360				
X56						
X60	L415QB	TUE 415				
X65	L450QB	TUE 450				
X70	L485QB					
X80	L555QB					

API SPECIFICATION

Product Specification	Grade	CHEMICAL REQUIREMENT, %						TENSILE REQUIREMENTS							
		C ^a	MN ^b	P	S	Ti	Other	Yield Strength, MIN				Tensile Strength, min			
								psi		mpa		psi		mpa	
PSL 1	A	0.22	0.98	0.03	0.03	-	-	30,500	210	48,000	335				
	B		1.2				b,c,d	35,500	245	60,000	415				
	X42		1.3					42,100	290	63,000	435				
	X46							46,400	320	66,000	460				
	X52					0.04		52,200	360	71,000	490				
	X56	0.28	1.4	0.03	0.03		c,d	56,600	390	75,000	520				
	X60							60,200	415	77,000	535				
	X65					0.06		65,300	450	82,000	570				
	X70							70,300	485						
	X80														
PSL 2	B		1.2				d,e	35,000	245	60,200	415				
	X42		1.3					42,000	290	63,100	435				
	X46							46,000	320	66,700	460				
	X52		1.4			0.04		52,000	360	71,100	490				
	X56	0.24		0.25	0.015		c,d	56,000	390	75,400	520	110,200	760		
	X60							60,000	415	77,600	535				
	X65		1.6					65,000	450	82,700	570				
	X70		1.7					70,000	485	88,000	625				
	X80		1.85			0.06		80,000	555	90,600	685	120,000	825		
	X80								100,000	705					

- For each reduction of 0.01% below the specified maximum Carbon content, an increase of 0.05% above the specified maximum Manganese content is permissible up to maximum of 1.50% for grades X42 through X52 up to a maximum of 1.65% for grades higher than X52 but less than X70, and up to 2.00% for grades X70 and higher.
- The sum of Columbium (Niobium) and Vanadium content shall not exceed 0.03%, except that, by agreement between purchaser and manufacturer, an alternative maximum may be established.
- Columbium (Niobium), Vanadium, Titanium or combination there of may be used at the discretion of the manufacturer.
- The sum of Columbium (Niobium), Vanadium and Titanium content shall not exceed 0.15%.
- The sum of Columbium (Niobium) and Vanadium content shall not exceed 0.06% , except that, by agreement between purchaser and manufacturer, an alternative maximum may be established.





Welded Pipe

Ranging from 1/2" to 56" OD are manufactured according to high frequency welding method HFW or longitudinally submerged arc welding method SAW. They are mostly used for the transport of crude oil or gas inland or offshore. They can also be used as OCTG casing or conductor pipes for drilling applications. In some cases the piping systems in refineries are used by welded pipes.

ERW Pipe (High Frequency Inductive)

Oil & Gas Line Pipes Acc. To API 5L Standards Welded Pipe

Outside Diameter		Thickness	Weight
inch	mm	mm	kg/m
3/8	17.1	Min: 2.3	0.62
		Max:3.2	0.79
1/2	21.3	Min:2.8	1.28
		Max:3.7	1.61
3/4	26.7	Min:2.9	1.7
		Max:3.9	2.19
1	33.4	Min:3.4	2.52
		Max:4.5	3.21
1 1/4	42.2	Min:3.6	3.43
		Max:4.9	4.51
1 1/2	48.3	Min:3.7	4.07
		Max:5.1	5.43
2	60.3	Min:2.1	3.01
		Max:5.5	7.43
3	88.9	Min:3.2	6.67
		Max:6.4	13.02
4	114.3	Min:3.2	8.77
		Max:6.4	17.03
5	141.3	Min:3.2	10.9
		Max:6.6	21.92
6	168.3	Min:2.8	11.43
		Max:7.1	28.22
8	219.1	Min:4	21.22
		Max:14.3	72.22
10	273.1	Min:4	26.54
		Max:15.9	100.85
12	323.9	Min:5.2	40.87
		Max:17.5	132.23
14	355.6	Min:6.4	55.11
		Max:20.6	170.18
16	406.4	Min:6.4	63.13
		Max:20.6	195.98
18	457	Min:7.1	78.77
		Max:20.6	221.69
20	508	Min:6.4	79.16
		Max:20.6	247.60
22	559	Min:7.9	107.36
		Max:20.6	273.51
24	610	Min:7.9	117.3
		Max:20.6	299.41

RB Pipe (Roll Bending Pipe)

Oil & Gas Line Pipes Acc. To API 5L Standards Welded Pipe

Outside Diameter		Thickness	Weight
inch	mm	mm	kg/m
26	660	Min: 6.4	103.15
		Max:14.3	227.7
28	711	Min:6.4	111.2
		Max:14.3	245.68
30	762	Min:6.4	119.25
		Max:20.6	376.63
32	813	Min:6.4	127.3
		Max:20.6	402.54
34	864	Min:6.4	135.35
		Max:25.4	525.27
36	914	Min:6.4	143.24
		Max:25.4	556.59
38	965	Min:7.9	186.46
		Max:31.8	731.80
40	1016	Min:7.9	196.39
		Max:31.8	771.8
42	1067	Min:8.7	227.05
		Max:31.8	811.79
44	1118	Min:8.7	237.99
		Max:31.8	851.79
46	1168	Min:8.7	248.72
		Max:31.8	890.99
48	1219	Min:8.7	259.66
		Max:31.8	930.99
52	1321	Min:9.5	307.25
		Min:9.5	302.25
		Max: 38.1	1205.35
56	1422	Min:9.5	330.91
		Max:38.1	1300.24



Oil Field Equipment

Ferdous Petro Ahan Co. (Petroferro) is able to supply a wide range of oil field equipments such as: down hole equipments, well heads, centrifugal pumps, drilling bits, as well as the OCTG

■ Pressure Vessels

Ferdous Petro Ahan Co. (Petroferro) is able to supply a range of pressure vessels to suit the custom needs of its clients. From oil and gas processing and production equipments to accumulators, to scrubbers, to any needs for a pressure containment envelope meeting or exceeding ASME Pressure Vessel Code, Section VIII Div 1 and Div 2 requirements, Ferdous Petro Ahan Co. (petroferro) stands ready to assist in the design and manufacture of your vessel needs. From sizes as small as 2 inches outside diameter to as large as 15 feet outside diameter, from 8 pounds to as large as 640,000 lbs. Ferdous Petro Ahan Co. (Petroferro) has the capability, knowledge, and experience to provide the correct vessels for your needs.

■ Slug Catcher

Natural gas pipelines often contain significant amounts of liquid that can interfere with the proper operation of the pipelines and related equipments such as compressors, regulators, filters, meters and valves. The liquid normally includes hydrocarbon condensations, lubrication oils, produced water, and chemicals are used in production, treatment, compression or dehydration of the gas. The liquid to gas ratio in gas production pipelines can be as high as 100 Bbls/MMSCF of gas. When gas and liquid flow in hilly terrain, the liquid tend to accumulate in the low spots or valleys of the pipeline. A slug catcher is designed to allow expansion of gas stream to slow velocity and provides a settling area for and retention of liquids carried with the produced gas flow. They must have sufficient volume to contain the liquid and allow passage of gas flow without re-entrainment of the liquid in the out flowing stream. Petroferro has the experience to adequately size and match the performance needs of slug removal equipment



Steel Goods

Ferdous Petro Ahan Co. (Petroferro) is cooperating with pipe mills and section mills as a supplier of raw materials mainly flat rolled or plates. Using experience and a strict supply sourcing policy has enabled us to nominate and choose some of the most professional steel plant mills all around the world as the main manufacturers of steel products.

We are able to supply all kinds and types of steel products that are used in the oil and gas industry as well as construction industry. We have categorized the supply of Steel due to its vast and variety application into 3 separate types:

1. Flat Products.
2. Long products.
3. Requirements offshore structure.

All types of steel requirements are manufactured in accordance with the latest revision of nominated standards such as API, ASTM, DIN, EN, JIS, BS.

Our exclusive supply portfolio for the steel section covers not only pipe mills but supply of steels or storage tank fabrications, offshore jack up and structural steels, all types of space structures and frames, raw materials and even minerals such as iron ore.

■ Flat Products

Ferdous Petro Ahan Co. Provides carbon steel hot rolled or cold rolled coils, galvanised coils or sheets, carbon steel hot rolled plates in accordance with API, ASTM, ANSI, Din. The materials are used for a variety of applications such as shipbuilding, circular or hemispherical storage tanks, welded pipe making.

■ Long Products

We can provide the raw materials necessary for finished steel products, i.e. bar mills, D-bar manufactures. All types and sizes of billets and slabs can be supplied from steel mills in accordance with recognizably international standards. In addition to that Carbon Steel H/I beam, D-bars and wire roads, all can be supplied as well.



■ Offshore Fabrication

At Ferdous Petro Ahan we have the speciality to provide from well-known steel mills the high yield steel used for offshore fabrication, pressure vessels and boiler manufacture, storage tank fabrication, civil engineering and constructions, shipbuilding, bridge building and general engineering.



Valves

"Petro Ahan Co. can supply all types of Ball, Gate/Glob/Check, Butterfly, Plug & Control Valves from Class 150 - 4500 IBS for upstream section, Ball, Gate & Choke Valves Up to 15,000 IBS for upstream section with major standards (API, ASTM, ANSI, ISO, BS) and also complicated systems like HIPPS (High Integrity Pressure Protection System) mainly for oil & gas industries.

We have agency & close cooperation of reputable European, Korean & Chinese manufacturers who are in main clients AVL like Kala Naft, POGC, NISOC, ICOFC & et cetera.

Brief technical specification of our group valve manufacturers are mentioned in separate table as below."



Ball Valve

Main Product	Specification & Range of Product		Code
- General	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel"	API
- Cryogenic	Pressure Class	150 ~ 4500lbs	ASTM
- Metal Seat	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
- Soft Seat	Product Size	1/2" ~ 56"	ISO
- Jacketed			BS

Check Valve

Main Product	Specification & Range of Product		Code
- Swing Check	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel"	API
- Ball Check	Pressure Class	150 ~ 4500lbs	ASTM
- Piston Check	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
- Y-Piston Check	Product Size	1/4" ~ 24"	ISO
			BS



Globe Valve

Main Product	Specification & Range of Product		Code
- Forged	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel"	API
- Cast	Pressure Class	150 ~ 4500lbs	ASTM
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
	Product Size	1/4" ~ 24"	ISO
			BS



Gate Valve

Main Product	Specification & Range of Product		Code
- Forged	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API
- Cast	Pressure Class	150 ~ 4500lbs	ASTM
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
	Product Size	1/4" ~ 70"	ISO
			BS





Dual Plat Check Valve

Main Product	Specification & Range of Product		Code
<ul style="list-style-type: none"> - Wafer Type - Wafer & Retainerless - Wafer & Rubber lining Type - Flange Type - LUG Type - LUG & Retainerless Type - HUB End Type - BY-Pass Type 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API
	Pressure Class	150 ~ 1500lbs	ASTM
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
	Product Size	1/4" ~ 90"	ISO
			BS



Plug Valve

Main Product	Specification & Range of Product		Code
<ul style="list-style-type: none"> - Teflon Sleeved - Metal Type 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel"	API
	Pressure Class	150 ~ 1500lbs	ASTM
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
	Product Size	1/2" ~ 36"	ISO
			BS



Butterfly Valve

Main Product	Specification & Range of Product		Code
<ul style="list-style-type: none"> - Teflon Sleeved - Metal Type 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel"	API
	Pressure Class	150 ~ 1500lbs	ASTM
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME
	Product Size	1/2" ~ 36"	ISO
			BS

Control Valves

Main Product	Specification & Range of Product		Code	Actuator Type
Ball Valves				
<ul style="list-style-type: none"> - Ball Valve (Side/Top Entry/ Metal Eccentric /Segment "V" Cut Type) - High Temperature & Cryogenic 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API	Multi Spring Diaphragm, Penumatic Cylinder, Electric
	Pressure Class	150 ~ 2500lbs	ASTM	
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME	
	Product Size	1/2" ~ 56"	ISO	
			BS	
Glob Valve				
<ul style="list-style-type: none"> - 2 & 3 Way Type - Angle Type - Micro Flow Type - High Temperature & Cryogenic 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API	Multi Spring Diaphragm, Penumatic Cylinder, Electric
	Pressure Class	150 ~ 4500lbs	ASTM	
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME	
	Product Size	1/2" ~ 24"	ISO	
			BS	
Butterfly Valve				
<ul style="list-style-type: none"> - Rubber & Metal - H-Performance & Triple offset - High Temperature & Cryogenic 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API	Multi Spring Diaphragm, Penumatic Cylinder, Electric
	Pressure Class	150 ~ 2500lbs	ASTM	
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME	
	Product Size	1/2" ~ 96"	ISO	
			BS	
Desuper Heater Valve				
<ul style="list-style-type: none"> - Multiple Nozzle Spray - Variable Orifice - PRDS 	Material	Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel, Special Alloy Steel	API	Multi Spring Diaphragm
	Pressure Class	150 ~ 1500lbs	ASTM	
	End Connection	SW, NPT, BW, FF, RF, RTJ	ASME	
	Product Size	3" ~ 24"	ISO	
			BS	



SPLIT BODY BALL VALVE ANSI CLASS 150

Table for ASME # 150 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 56 inch.

SPLIT BODY BALL VALVE ANSI CLASS 300

Table for ASME # 300 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 56 inch.

SPLIT BODY BALL VALVE ANSI CLASS 600

Table for ASME # 600 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 56 inch.

SPLIT BODY BALL VALVE ANSI CLASS 900

Table for ASME # 900 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 36 inch.

SPLIT BODY BALL VALVE ANSI CLASS 1500

Table for ASME # 1500 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 16 inch.

SPLIT BODY BALL VALVE ANSI CLASS 2500

Table for ASME # 2500 SPLIT BODY - SIDE ENTRY. Columns include Size, I-d, O-d, L, H1, H, and Weight. Rows range from 2 inch to 12 inch.





Fittings

Our extensive range of products consist of seamless and welded fittings. Our fittings all meet ANSI and API standards and are manufactured to meet each customer's specs.

■ Self-Reinforcing Branch Outlet Fittings

Weldolet, sockolet, reinforced nipples and flanged outlets.

Design code: ASME B31.1, B31.3, B31.4, B31.8.

Manufacture conforming to standards ANSI B16.11 - B36.10 - BS 3799, MSS-SP83.

Material: carbon steel, alloy steel, stainless steel.

Pressure rating up to 6000 Lbs.

Size from 1/2" to 42".

■ Forged Fittings Threaded And Socket-Weld

Elbows, tees, caps, hex. head plugs, crosses, straight couplings, half couplings, reducing couplings, hex. shoulder nipples, reducing hex. shoulder nipples, straight nipples, swage nipples, M/F reducing bushings, street elbows, unions.

Manufacture conforming to standards ANSI B16.9, B16.10, B16.11, B16.25, B16.28, B36.10, BS 3799, MSS-SP-75, MSS-SP-83.

Material: carbon steel (ASTM A 105, A350 LF1), alloy steel (ASTM LF3, A182 F5A, A182 F11, A182 F22), stainless steel. Pressure rating: 3000 - 6000 Lbs.

Size from 1/4" to 4".

■ Hot Induction And Cold Process Bends For Pipeline

With or without 3-LPE coating, with or without tangent segments.

Manufacture conforming to standards ANSI B16.49 and MSS-SP-75.

Material: carbon steel API 5L X52, X60, X65, X70, X75.

Size up to 60".

Pressure rating up to SCH 160

■ Butt Weld Pipe Fittings Seamless And Welded

LR and SR 45° elbows, LR and SR 90° elbows, LR and SR 180° return bends, equal tees, reduction tees, caps, concentric reducers, eccentric reducers, etc.

Manufacture conforming to standards: ANSI B16.9, B16.10, B16.11, B16.25, B16.28, B36.10, MSS-SP-75, MSS-SP-83.

Materials: carbon steel (ASTM A234 WPB, A234 WP1, A234 WP11, A234 WP22, WP5), alloy steel (A234 WP1, A234 WP11, A234 WP22, WP5), steel for low temperature service (A420 WPL6, A420 WPL3), stainless steel.

Pressure rating up to SCH 160

Size from 1/4" to 60".

■ Flanges For Pipeline

Materials: carbon steel, stainless steel and alloys according to ASTM and ISO

■ Large Diameter Flanges-Up To 96"

Welding neck, slip-on welding, socket welding.

Materials: carbon steel, stainless steel and alloys according to ASTM and ISO.

Conforming to design standards ASA B16.1 - B16.5, BS 3293.

Pressure rating: from ANSI 75# to 300#.

Sizes up to 96".

■ Flanges Forged

Blind, socket welding, slip-on welding, lap joint, screwed and welding neck type.

Materials: carbon steel, stainless steel and alloys according to ASTM and ISO.

Conforming to standards ASME, ANSI B16.5 - B16.47, MSS-SP-44, MSS-SP-75, API 605, BS 1560, BS 10, BS 3293, ISO 7005 and API 6A.

Pressure rating: from ANSI 150# to 2500#; from API 1500 to API 20000 (for API 6A).

Sizes from 1/2" to 60"



Quality

At Ferdous Petro Ahan Co. (Petroferro) as a quality oriented company we are determined to maintain all the quality system requirements according to International Quality Management systems such as ISO 9001 standard.

This commitment on the quality system assures that our products & services are offered in accordance with client's expectations. This is achieved by managing and mobilizing an experienced and motivated staff who are the main driving force of any organization. We hence set our main vision on providing unmatched quality through team work while demonstrating outstanding customer service & project solutions.

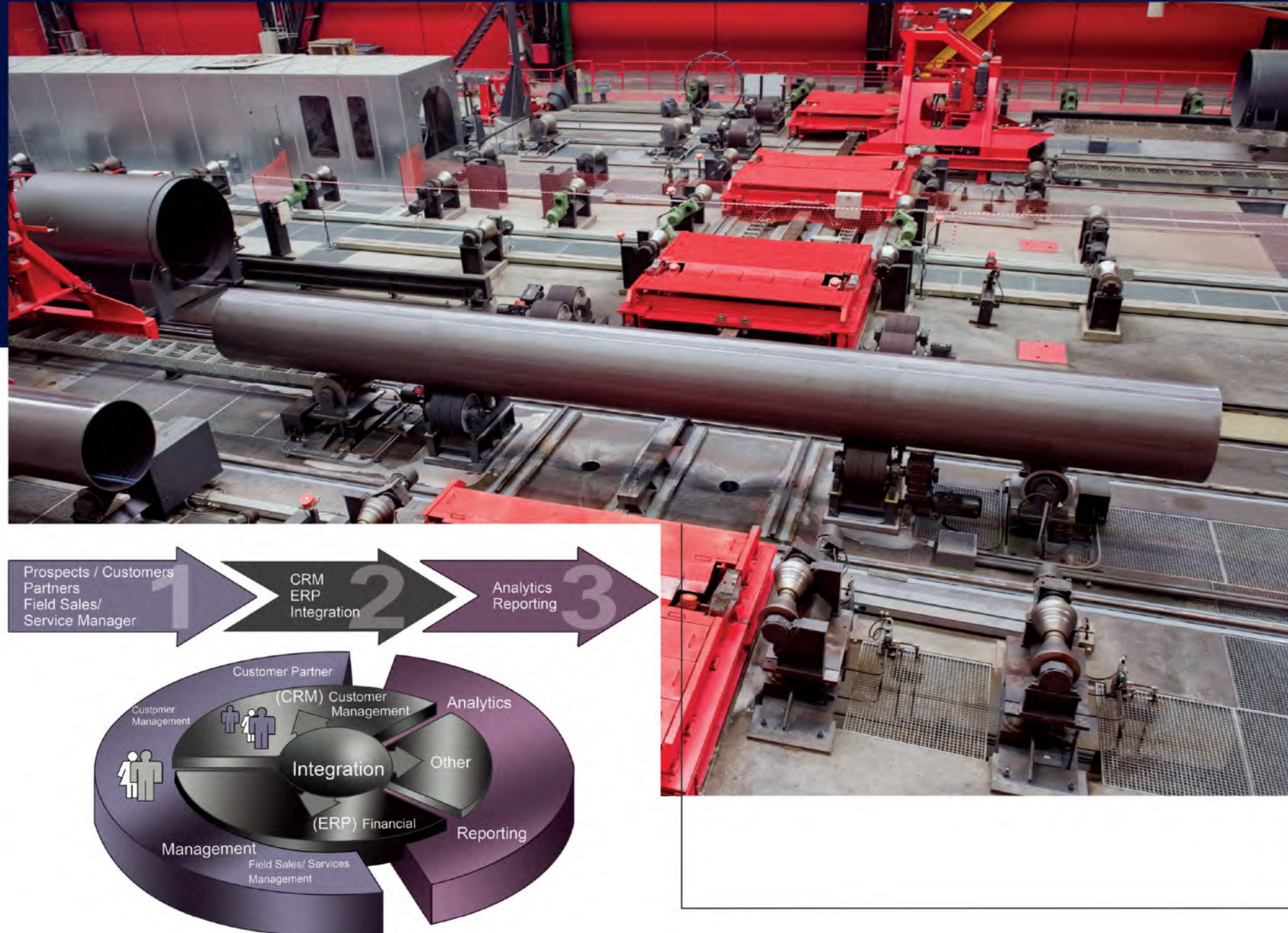
Having this vision and focusing on continuous improvement will lead us to open and sustain development of our existing and new markets and meeting the defined growth plans.

Customer Relationship Management

The significant target for the company is to find, attract, and get new clients; nurture and retain those the company already has; entice former clients back into the fold; and reduce the costs of marketing and client service. Ferdous Petro Ahan Co. (Petroferro) uses customer relationship management to develop stronger relationships with their customers and enables the company to efficiently organize, populate, and maintain information on all aspects of their customer relationships.

Ferdous Petro Ahan Co. (Petroferro) will bring the following benefits to their customers organization and even the company organization by using Customer Relationship Management tools and techniques:

- » An increase in profits without increasing costs.
- » The building of existing business as well as new business.
- » The identification of small customers that have the potential to be very large customers.



Quality Control

An important goal of Ferdous Petro Ahan Co. (Petroferro) is to support the development of pipeline and oil & gas trading that can be readily assessed in terms of quality and completeness. It is good practice to implement quality control procedures in the development of trading to accomplish this goal.

Quality Control Department, by means of employing educated, highly qualified, and skilled personnel in concert with essential and necessary instructions, keep under control all raw material and final products. Ferdous Petro Ahan Co. (Petroferro) utilizes Standardized Operating Procedures in its three-step process defined as follows:

1. Inspection

Once verification of customer specifications and work scope are completed, Ferdous Petro Ahan's inspection process ensures compliance from when raw material is produced, during liner manufacturing, upon shipping. Complete inspection records are maintained for all quality control documents outlined in the process.

All inspection and tests are in accordance the procedures set by the standards.

2. Tracking And Reporting

The system allows Ferdous Petro Ahan Co. (Petroferro) to provide up to the minute real time tracking of each and every joint at its facilities by customer or job, in a format that is summarized and useful to the customer. The company's reporting system is comprehensive; it covers receipts, manufacturing application status, and shipments.

In addition, Ferdous Petro Ahan Co. (Petroferro) has the capability to incorporate and add custom reports as required by the customer.

3. Tracing

Ferdous Petro Ahan Co. (Petroferro) has the capability to trace each joint shipped to specific project locations with information provided by its customers. Ferdous Petro Ahan Co. (petroferro), using its engineering capability can monitor field performance, in all raw material mills and pipe mills, to optimize and report on well production regarding the applied technology.



Supply Chain & Sourcing

At Ferdous Petro Ahan Co. (Petroferro) our sourcing policy refers to the value added process of selecting suppliers which is supported by market intelligence, supplier performance information and a concrete and well developed strategy. We can therefore provide our clients with an intelligence approach incorporating spend analysis, strategic sourcing, Supplier management and procurement optimization.



■ Spend Analysis

Before implementing any sourcing and procurement initiatives, We first analyze the spending patterns, which is collected from various suppliers then we identify sourcing barriers and limitations such as legal or contract restrictions. This analysis gives us the information and decision support required to develop supply strategies which are aligned with company objectives.

■ Strategic Sourcing

The overall goal of strategic sourcing is to achieve long term supply stability minimize supply risk and reduce cost. We have achieved this goal by rationalizing supplier base, reconfiguring supply specification and in some cases developing strategies alliances and long term supply agreement such as exclusive base distribution agreement with selected suppliers.

■ Supplier Management

At Ferdous Petro Ahan Co. (Petroferro) we are focused on increasing our knowledge about our supplier's performances and its impact on our operations. This knowledge is acquired by capturing and analyzing our supplier's performance data which is incorporated into the selection and negotiation process to arrive at sourcing decisions that actually meets our sourcing policy.

■ Procurement Optimization

The main focus at this stage is on transactional efficiency and squeezing process related efficiencies such as supply lead times and delivery as well as the process costs.





Services

Ferdous Petro Ahan Co. (Petroferro) services span around our supply chain management. Since our management and the entire team are coherent with the concept of quality we have defined some special quality services that is offered to our clients based on the stages of the supply management. It starts by offering advance technical consultancy and continues by offering full service technical & after sales support. We can provide most advanced chemical, metallographic laboratories in our affiliated companies along with expert quality engineers to provide any type of sample testing that is required with the most precise result and least time.

Through agreement with reliable inspection companies we can offer all types of inspections in accordance with approved test plan material inspection, production procedure inspection, pre-shipment inspection, and other inspections can be performed depending on our client's requests. In addition Ferdous Petro Aahan Co. (Petroferro) has joined forces with some of the most reliable shipping & transport companies that can handle all types of materials by any means of transportation in the most reliable way. Custom clearance & stocking, dispatching, loading & unloading along with other logistic services are among what we can offer we invite you to visit our slotting & threading section for further information about where our services is span

Laboratory Services

Through mutual agreement with some modern testing facilities that in addition to having the ability of responding reference standard requirements and current project needs, is also one of the valid and active research centers in pipe and profile industry in the country. Laboratories equipment and testing apparatus include the following:

■ Chemical And Polymer Lab

To control raw and consumed material as well as controlling coating products according to JIS, EN, DIN, AWWA, API ... standards and customer's requirements.

■ Calibration Lab

Calibration of measurement tools for dimensions control, electrical instruments, temperature, humidity, pressure, weight...

■ Metallurgy Lab

Metallurgic macro and micro structure studies and micro and macro hardness tests.

■ Mechanical Lab

Performing strength and toughness tests by extension, bending and stroke machines and DWTT

■ Corrosion Lab

Testing material strength in sour environments and environments at presence of H₂S gas for SSCC and HIC tests in accordance NACE TM 0284, NACE TM 0177 standards





Drilling Services For Pipes

Ferdous Petro Ahan Co. (Petroferro) has well-established relationships with mill and the experience necessary to supply all your tubular needs on time, wherever you need them. Through the years we have developed supply paths that provide the most cost effective solution for any O.C.T.G. or other seamless pipes need in a wide variety of applications.

Slotting

Ferdous Petro Ahan Co. (Petroferro) offers a wide range of choices, enabling our customers to determine the most effective slot arrangement for them and our highly skilled partner technicians cut precision slots radial to the center of the pipe. Slots are available in widths .030" to .125" in pipe sizes, 4.500" to 10.750" OD. This type of slotted pipe is available in sizes ranging from 2 3/8" through 20" OD.

Threading

- » Casing
Available in buttress threaded and coupled (B.T.C), Big Omega, RLS – 4
- » Tubing
Available in plain end, NUE (non-upset ends) and EUE (external upset ends)
- » Drill Pipes
Available in plain end, EU (external upset), IU (internal upset) and IEU (internal & external upset)

Drilling For OCTG

O.C.T.G Drilling reduces the time spent on drilling and running casing and also affords further flexibility because drill bits and other down hole tools can be efficiently tripped inside the casing by wire line, latched to the bottom-most joint of casing for drilling, and retrieved through the casing when necessary. Ferdous Petro Ahan Co. (Petroferro) has well-established relationships with outsources companies and the experience necessary to supply all your casing drilling services and equipment needs on time, wherever you need them.



After sales services

All customers are invited to benefit from our Customer Technical Assistance.

Our objective is to provide for increasingly better services, quicker responses to domestic and international customers inquiries, questions; accurate transfer of customers' needs to manufacturing and production department.

Principal activities of this section are planned and executed under 3 main branches:

■ Technical Services, Prior To Sales

- Analysis of customer's orders and understanding their true needs.
- Providing technical information on process and raw material
- Supplying technical information with regard to all aspect of transaction; such as dimensions, standards, limitations of production and control, packaging, shipment, inspection, and quality certificates
- Reviewing the orders, and finalizing purchase orders' specification.
- Cooperation with sales department on whether the customer's purchase order for a new product is feasible to manufacture. The order is reviewed and studied for possibility of fabrication. Estimated cost is forwarded to sales department for the benefit of the client.

■ Technical Services, During The Sales

These services are provided upon customer's request, or the suggestion of sales department, and or department of Technical services. These services include:

- Controlling Order's Constraints
- Analysis of suitability of the control implemented throughout the production
- Analysis of the product and its application to suggest optimized usage for the product or modification of the purchase order specifications, with regard to the application planed for
- Processing customers' complaints with respect to the products' technical or quality deficiencies in practice
- Conveying technical deficiencies to the manufacturing department, and if necessary initiate modifications to attain specified standards as per order





■ Technical Services, After The Sales

- Periodic visit of the production lines to supervise that the quality of the product being made, corresponds to the order
- Provide technical assistance to customers for optimize usage of products
- Investigating customers technical claims
- Taking back quality deficient products, implementation of rectifying and or preventive procedures
- Counseling customers of the availability of new products and suggesting sensible ways to replace raw material and use new products
- Preparing products' technical information booklets and leaflets
- Assessing and evaluating the degree of customers approval and satisfaction based on the quality of products



Logistics

Ferdous Petro Ahan Co. (Petroferro) is ready to deliver the materials ordered right to the enduser sites, from supplier factory floor in the easiest and quickest way possible. We select from a range of transportation models taking into account all project requirements. We have joined forces with some of the most expert logistic service companies in the world that can handle every type of goods by land or sea, rail, trucks or a combination as needed .It is also possible to provide custom clearance and warehousing services.

