

## Pipe Bending Plant

# Our Clients – Reference List (Part 1)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



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Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Angola		24	34 + 37	3300	5	X 70		
	Total	14 + 16	26,35 + 27,5	div.	3 + 5	X 65		Total Angola
	Total	24	33,2	3048	5	X 65		Block 17
	Total	6 + 10 + 12	12,7 / 21 / 25,5	div.	3 + 5	SMLS 450 DU		Clov
	Total	10 + 12	21 / 25,5	div.	3 + 5	SMLS 450 DSU	YES	Clov
Armenien		48 + 56	23,5 + 26,7	div.	5	60 kp		
Australia	Impex	42	37,2	5334	5	DNV Gr. 450		Ichthys
	Impex	42	39	5334	5	DNV Gr. 450 DS	YES	Ichthys
	Chevron	32 + 36	49 / 52,6	div.	5	SAWL 450 DS		Gorgon
	Metal One/Mitsubishi	4	6,7	570	5	X 52 M		Ashburton Onslow Gas Pipe.
		18	21	2285	5	SAWL 450 D + CLAD		John Brookes
	Chevron Australia	24	35	3050	5	SAWL 450 D + CLAD		Wheatstone
Austria	OMV	32	15	8130	10	StE480.7 TM		
	OMV	20	24,5	5080	10	StE415.7 TM		
	OMV	36 to 48	16 to 26	div.	7	L485MB		TAG Loop II
	TAL	40	23	3000	3	StE415.7 TM	YES	
	OÖF/EVN	32	14	5690	7	StE480.7 TM		
	OMV	48	19	6096	5	L485MB		WAG Plus 600
	OMV	40	18	7468	7	L485MB		TAG Expansion 4
	Gasnetz Steiermark	32	14	4000	5	L485MB		Südschiene
	OMV Gas	48	21	6096	5	L485MB		WAG Expansion 3

## Pipe Bending Plant

# Our Clients – Reference List (Part 2)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Austria	OMV	6	7,1	1683	10	L 290 NE		Dev. Nordfeld Gas
Azerbaijan	BP	12	34,5	1973	5	25CR - UNS S32750		Shah Deniz Stage 2
Bahrain	Banoco	16	19,05	1220	3	Gr. B		
Belarus	Gazprom	56	30	div.	1,5 + 5	60 kp		
Belgium	Distrigaz	40	22	10000	9,8	X 60		
Benin		8 + 20	11,1 + 12,7	div.	5	X 60		Seme Field Dev. Field
Brunei	Shell	6	15,9	840	5	X 52		
	Shell	28 + 40	15 / 23	div.	3 + 5	X 60		AMPA-Fairley
Bulgaria	Bulgargas	20 + 40	15	div.	1,5 to 5	X 52 / X 60		
Canada	Keyera	20	14,5	2540	5	Grade 414, Cat II		Keyera Pipeline
Cameroon		30	16	3810	5	X 70		
Congo	Elf	8 + 12	10 to 14	div	5	X 42 / X 52		Likalala
	TFE	40	19,1	5080	5	X 60	YES	Djeno New Loading

## Pipe Bending Plant

# Our Clients – Reference List (Part 3)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Denmark	DONG	14 + 24	25,5	3240	10	StE415.7 TM		
	DONG	24	32	6100	10	X 65	YES	South Arne - Nybro
	Maersk	6	11	842	5	X 65		Kraka Field
Egypt	PPC	16	14,5	div.	5 + 10	X 52		
		12	12,7	3000	9	X 52		
		32	18 + 23	4000	5	X 52		
		32	19	4065	5	X 60		Abo Hommos
		Gasco Petrojet	32	15,9	4065	5	X 60	
	36	19,05	4572	5	X 60			
Esthonia	EESTI GAAS	20	13,5	10000	20	StE415.7 TM		
France	Sofresid	34	18,5	4300	5	L415MB		Sofresid/Total Normandie
	SPSE	34	10	11000	12,7	L360MB		
Gabon	Shell	18	9,5	1371	3	X 60		
		4 + 6	6,4 + 7,9	div.	2,7	X 60		
Germany	Ruhrgas	48	22	6000	5	GRS 550TM/V		Werne-Schlüchten
	BEB	40	17,5	10000	10	StE480.7 TM		Nüttermoor-Folmhusen
	Wingas	56	27	8400	6	L485MB		OPAL
	NordStream AG	28 / 38 / 48	35 + 38	div.		L485MB		NordStream
	Wingas	30	15,7	6400	8	L485MB		Stegal Loop

## Pipe Bending Plant

# Our Clients – Reference List (Part 4)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



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Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Germany	TENP	40	16	6000	6	L485MB		Reichenbach-Mittelbrunn
	E.ON Ruhrgas	56	29	div.	4 + 6	L485MB		NEL
	Wintershall / Wingas	56	29	8400	6	L485MB		NEL
	Open Grid Europe	40	21,7	6000	6	L485MB		Loop Sannerz
	Terranets BW	28	19	3560	5	L485MB		
	Open Grid Europe	36	17,5	4570	5	L360MB		Molchschleuse Benrath
	Roplast	28	12,7	3555	5	X 65 M		
	Terranets BW	6 + 24	7,1 + 12,5	div.	4,5 + 10	L360NB		
	Gascade Gastransport	40	20	6000	6	L485MB		MIDAL-Süd Loop
	Ontras	36	16	4572	5	L360ME		FGL 201 - BAB A72 BW L50
	Ontras	24	12,5	div.	5 + 10	L360NB		FGL 201.06 JS 2014
	Landesbetrieb Landau	10	8,8	2540	9,3	L290NE		PL Meisenheim-Fürfeld
	MEGAL	44 + 48	22 + 23,2	div.	5	L485MB		Molchschleuse Rimpar
	Ontras	24	12	3050	5	L360NB		FGL 46 JS 2014
	Terranets BW	24	12,5	6100	10	L415MB		Nordschwarzwaldleitung
	Ontras	32	14,2	4064	5	L485MB		Molchschleuse Merzdorf
	Ontras	24	12,5	div.	5 + 10	L360NE		Sanierung FGL
Ontras	32	15,5	4064	5	L525ME		UGS Katharina FGL 910	
Gascade Gastransport	32	16,5	6400	7,8	L485MB			
Greece	DEPA	30	13 to 22	7620	10	X 52 to X 65		Lavrion
	TAP Company	36 + 48	21 to 36	div.	5	L 485 ME		TAP
India	Saipem	24 + 48	12 to 23	div.	5	X 52 / X 60		Jamnagar

## Pipe Bending Plant

# Our Clients – Reference List (Part 5)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
India	Petronet	24	11,5	3600	6	X 70		Mangalore-Bangalore
	Reliance	12 + 16	20,9 + 25,45	div.	5	SML 450 ID		Reliance
	Reliance	24	28,9 + 36,4	3048	5	SAWL 450 ID	YES	KG-D6 Block
	Larsen & Toubro	14	30	1778	5	X 60 + CLAD	YES	BCPA 3 / ONGC
Indonesia	Total	42	21,2	5334	5	X 70		Peciko
	Corus	26	33	3354	5	X 65		Sisi Nubi
Iran	NIOC	12 to 18	10 to 23	div.	5	X 52 to X 65		Sirri A+E
	Total	4 + 32	4 + 35	div.	3 + 5	X 65 QT / X 70	YES	South Pars Field
	NIGC	56	26,5	4260	3	X 70		
	Sadra	32	28,8	4070	5	X 65 QT	YES	South Pars Field
	NIGC	56	28,6 / 31,8	7110	5	X 70		
		56	34,5	div.	3 + 7	X 70		South Pars
Ireland	Bord Gais	36	15 + 23	2742	3	X 60		Ballough-Brownsbarn
	Bord Gais	36	23	2742	3	X 60		Kilshane-Brownsbarn
	Bord Gais	30 + 36	11 to 19	div.	5	X 65		Pipeline to the West
	Bord Gais	26	9,5 + 19,1	3300	5	X 65		Mayo to Galway
	Bord Gais	36	19,1	2742	3	X 65		Beattock to Cluden
	Bord Gais	36	19,1	2742	3	X 65		Moffat to Beattock
	Bord Gais	18	8,5 / 9,15 / 17,5	2285	5	L450MB		South North Pipeline
	Bord Gais	24	11 + 20,5	3048	5	L450MB		Curraleigh West - Midleton

## Pipe Bending Plant

# Our Clients – Reference List (Part 6)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Italy	SNAM	22 to 48	div.	div.	7	X 60 / X 65		
	SNAM	24 to 42	div.	div.	7	L415MB / L450MB		
	SNAM	56	29,8	9954	7	L450MB		
	SNAM	48	25,9		7	X 80		Enna to Montalbano
Kazakhstan		16 + 22	20 + 24,5	div.	5	X 60		
	TCO	18 + 24	24,5	div.	5	X 60	YES	
		20 to 36	13 to 39	div.	5	X 60 / X 65		
		36	14	4570	5	X 65	YES	Gas Export
Libya	Wintershall	20	18	10000	20	X 52		
	Wintershall	30	10	7620	10	X 60		
	J&P	8 to 24	11 to 15	div.	5	X 42 to X 60		El-Sharara
Macedonia	SGSM Oil&Gas Service	20	11,3	2540	5	L 415 ME		Klečovch
Malaysia	Shell	24 to 38	38	div.	3 + 5	X 65 QT	YES	MNLG-DUA
	Daelim/Korea	4 to 48	up to 34	div.	5	Gr. B up to X 70		GPP 5&6
		36 to 48	16 / 21 / 36	div.	5	X 70		Malaysia
		18	18,6	div.	3 + 5	X 65 + clad alloy 825	YES	CPOC / B17
Netherlands	Wintershall	10 + 24	27 + 35	div.	5 + 6	StE415.7 TM		
	AMOCO	16 + 26	28	3300	5	X 52		
	Gasunie	30 to 48	16,5 + 23,9	div.	3	StE415.7 TM		

## Pipe Bending Plant

# Our Clients – Reference List (Part 7)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Netherlands	Allseas	24	26,5	3048	5	X 56	YES	CNS Oil Evacuation
	Gasunie	48	21,5 + 25	6000	5	L480MB		North South Pipeline
	Gasunie	48	18 to 25,5	div.	3+5+10	L485MB		
	Chevron E&P	12	19,1	1524	5	X 60 N		A18 - CPDEP
	Gasunie	42	18,9	3150	3	L415MB		
	Gasunie	36	19,3	2700	3	L415MB		
	Gasunie	42	22,3	3150	3	L415MB		
	Gasunie	36	16,8 + 18,4	4500	5	L485MB		Pipeline Fockbek - Ellund
	Gasunie	30 + 36	17,4 + 19,9	div.	3	L415ME		
	Gasunie	42 + 48	21,7 + 28,6	div.	3 + 5	L415MB + L485MB		
	Gasunie	20	17,4	2540	5	L 415 ME		
	Petrogas E&P	12	19,1	1524	5	X 60 N		Petrogas - A18
	Nigeria	Elf	16	14,3	2030	5	X 42	
Addax		10	14,2	div.	5 + 10	X 52		Ebughu
Shell		20 to 36	20 to 36	div.	1,5 to 5	X 65	YES	OGGS
		34	19,2 / 22,5 / 26,6	4572	5	X 60		Rumuyi-Bonny
Shell		40	22,2 + 27	5080	5	L450QCS	YES	EGGS
		12 + 24 + 30	14,2 / 12 / 13,6	div.	10	L415MC		Nembe Creek
Western Development		24	25,4	div.	3 + 5	API 5L TMCP X52 PSL		Usari - Idoho Pipeline
Western Development		24	12,7	3048	5	API 5L TMCP X52 PSL		Production Uplift
Norway	Statoil	40	32,5	4900	4,8	X 65		Zeepipe
	Statoil	22	26	2841	5	450-F-D		Huldra

## Pipe Bending Plant

# Our Clients – Reference List (Part 8)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



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Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Norway	Statoil	8	14	1096	5	X 65		Sture Terminal
	Statoil	22	30	2794	5	X 65		Gullfaks
	Statoil	28	31 + 35	3440	5	SAWL 450 D		Edvard Grieg
	Norske Shell	16	17	1220	3	X 52		Draugen
	Aker Verdal	20 + 24	6	div.	10	St 52-3 N		
	Aker Verdal	18 + 28	25 + 32	25000	>30	MDS Y 30		Oseberg
	Norsk Hydro	30	26 + 32	div.	3 + 5	450 IDU		Grane Oil Field
Oman	Petroleum Dev. Oman	48	20,6 / 19,1	10000		X 70		
	Oman Oil Company	12	12,7 / 19,1	1619	5	SMLS 415 SD	YES	Musandam Gas Plant
Poland	Polskie LNG / Saipem	32	17,5	4064	5	L555MB		Saipem/Polskie LNG Terminal
		28	20	7100	10	L485MB		Lasow - Jeleniow
Portugal	Transgas	4 to 28	15	div.	10	Gr. B to X 70		
Qatar	Qatar Gas	32	35	3200	4	X 65 QT	YES	
	Dukhan	6 to 12	11 to 19	div.	5	X 52	YES	
		36	14,5	4570	5	X 52		
	Larsen & Toubro	36	17,8	4572	5	X 65	YES	Thirf Party Gas Interconnecting
	Chiyoda Almanag Eng.	6	17,5	889	5	SMLS 450 SD		Flow Assurance
		8 + 10	21,5 + 25,4	div.	5	X 60 QOS	YES	Occidental Qatar
		20	34	div.	3 + 5	X 60 QOS	YES	Occidental Qatar



## Pipe Bending Plant

# Our Clients – Reference List (Part 9)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Russia	Gazprom	56	21	7100	5	60 kp		
	Gazprom	56	30	7000	5	60 kp		Jamal
	Gazprom	48 + 56	21 + 24	div.	5	60 kp		Blue Stream
	South Stream B.V.	32	42	div.	5 + 20	SAWL 450		
	Total E&P Russie	8	20,6	div.	5	X 60	YES	
Saudi Arabia	ARAMCO	8 to 24	16,6	div.	5	X 60	YES	Hawiyah
		24 to 56	17 to 30	div.	5	X 60 / X 65	YES	
		48	12,7	18000	15	X 52		
Slovakia	SPP	56	38	div.	1,5 to 30	L 485 MB		
	Hydrostav	28	14,5	7200	10	StE415.7 TM		
Spain	Enagas	16 to 32	11 to 20	div.	5 + 10	X 60 / X 70		Valencia - Alicante
	Enagas	36	17,5	div.		X 70		Arbos - Barcelona
	Enagas	20	12,7	3556	7	X 70		Almeria - Lorca
	Enagas	42	23,8	7465	7	X 70		Lorca - Chinchila
	Enagas	30 to 40	17,5 + 22,2	div.	7	X 70		Tivisia-Paterna
	Drace	10 + 16	9,3 + 12,7	div.	5	X 52 N		MBM Salinetas
Sweden	Sydgas	16	12,7	2032	5	StE415.7 TM		
	Swedegas	24	14,3	3050	5	L 360 NE		
Switzerland	GVO	20	11	3600	7	StE360.7 TM		

## Pipe Bending Plant

# Our Clients – Reference List (Part 10)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Switzerland	Transitgas	36	19	6400	7	StE480.7 TM		
	Snamprogetti	16 to 48	14 to 28,5	div.	7	StE445.7 TM		Transmission
Thailand	Thaioil	28	23,5	3555	5	X 65		
	TASCO	36 + 42	24 + 28	10000	10	X 52		Yadana
	PTT	24	28,4	div.	3 + 5	X 65	YES	Pailin
	PTT	42	46	5334	5	X 70	YES	PTT 3rd Transmission Pipeline
Turkey	Botas PPC	48	14 to 21	8533	7	X 65		Samsun - Ankara
	Botas PPC	34	8,7 to 19,05	4320	5	X 65 downgraded	YES	Baku-Tbilisi-Ceyhan
	Botas PPC	42	11,91 to 25,4	5335	5			
	Botas PPC	46	11,91 to 22,22	5840	5			
	AES Denizcilik Sistem.	60	20	8000	5,3	X 52		Fresh Water Pipeline TR-CY
Tschechien	Transgas	28	13,3	7200	10	StE415.7 TM		
		30 to 48	div.	1,5 + 3		StE415.7 TM		
		40	23,5	10000	10	StE480.7 TM		
UK	BP	36	21,5	4572	5	X 65 QT	YES	Ninian/Cleeton
	AMOCO	36	38	4572	5	X 65	YES	CATS
	AMOCO	24 + 30	32 + 38	div.	1,5	X 60		CATS
	Enron	8 + 24	9,5 + 19,05	3050	5	X 52 / X 65		
	Britannia	27	20,5 + 25,5	5000	7	X65		Britannia
	Murphy	42	16 to 22	div.	3 + 5	X 60 / X 65		Cowpen Bewley

## Pipe Bending Plant

# Our Clients – Reference List (Part 11)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



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Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project	
		OD (inch)	W.T. (mm)	mm	R/D				
UK	Murphy	42	18 + 22	3201	3	X 60 / X 65		Audley to Alrewas	
	Murphy	48	20 to 25	3660	3	X 80		Drointon - Sutton/Hill	
	Murphy	36	16 to 24	2742	3	X 60 / X 65		Huntington/Willington	
	BHP	12	29	1620	5	X 46 mod.		Liverpool Bay	
	Shell	16	15,9	1468	3,6	X 65		ETAP	
	Shell	10	41	1365	4	X 65 QT	YES	ETAP	
	Kerr-McGee	12 + 14	16 to 23	div.	5	StE415.7	YES	Janice	
	Brown & Root	4 to 16	7 to 19	div.	3 to 18	X 65		Easington	
	Nacap Lawrence	48	20 + 28	3660	3	X 80		St.Fergus - Aberdeen	
	Phillips	16	23,5	2080	5	X 65	YES	Jade Field	
	BGE	30	22	3810	5	450 IDU		Brighthouse Bay	
	Murphy	48	28 + 19,5	3657	3	L555MB		Brecon to Tirley	
	Nacap L & M	48	28 + 19,5	3657	3	L555MB		Milford Haven to Aberdulais	
	Murphy	48	19,5 + 25,5	3657	3	L555MB		Easington to Ganstead	
	Murphy	48	19,5 + 25,5	3657	3	L555MB		Kings Lynn to Wisbech	
	Nacap	48	28	3657	3	L555MB		Felindre to Brecon	
	BP	48	27,5	6100	5	X 80		X80/X100 trial field	
	Talisman Energy UK	30	23,3	3810	5	X 65		Claymore Spur	
			36	35	4588	5	X 65 + CLAD		Apache SSIV
	Statoil	20	20,6	15000	30	X 60 + S 355 K2H		Mariner J-Tubes UK	
		36	31	4572	5	X 65		Apache SSIV	
Gas Networks Ireland	36	17,5 + 21,5	2742	3	L 450 ME		SWSOS, Scotland		
Ukraine		48	20	6100	5	X 60			

## Pipe Bending Plant

# Our Clients – Reference List (Part 12)

Induction bends (riser-bends and bends for oil and gas pipelines) have been delivered world wide.



A Member of the Salzgitter Group

Destination	Customer	Pipe Dimensions		Radius		Material	Sour Service	Project
		OD (inch)	W.T. (mm)	mm	R/D			
Ukraine		28	18,5	3600	5	X 56		
United Arab Emirates	ADMA-OPCO	6 to 24	26	div.	3 + 5	X 60	YES	
	ADCO	14	35,6	1880	5	X 65	YES	Khuff Gas Offshore
	ADCO	36	19,5	5484	6	X 60		
	ADCO	36	14,5	4572	5	X 52		Calm Bouy
	ADNOC	20 to 24	25	div.	5	X 52	YES	
	Dodsal	30	14	div.	4 + 6	X 70		
	Flour Daniel	16 + 20	16 + 19	div.	5	X 65	YES	ASAB Gas Gathering
	NPCC	24 to 48	16 to 28	div.	5	X 60	YES	MAQTA-JEBEL ALI
	NPCC	10 to 22	11 to 32	div.	3	X 60	YES	Al Khalij
	NPCC	24	33	1830	3	X 65 QT		Um Shaif
	ADMA-OPCO	48	22	3660	3	X 65		
	Taweelah	36 + 48 + 50	23 / 28,5 / 47	div.	5	X 65		Taweelah
	Dolphin	40	17,5	5080	5	X 70		Abu Dhabi
USA	Williams	26	22,2	div.	3 + 5	X 65		Rockaway
	Shell	20	36,5	2540	5	X 65		GC-19 Platform
	Kern River Gas Trans.	36	19,1	div.	5 + 8	X 70		Kern River
Usbekistan	Lukoil	28	20,6	3500	5	X46	YES	
Venezuela	Corpoven	6 to 12	up to 69	div.	>10	X 60	YES	PIGAP
	Bariven	10	54	div.	>10	X 60	YES	PIGAP

