



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Dec-18	CT561	JTB Unitisation Gas Project	Rekayasa Industri	Pertamina	1,206	401	4	24	825	3	N	Batam	Offshore Facility	1,607
Dec-18	CT562	Zulf Field 9 SSS Jackets	NPCC	Saudi Aramco	164		12	12	625	3	Y	Batam	Offshore Facility	164
Dec-18	CT563	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco	804		12	16	625	3	Y	Batam	Offshore Facility	804
Dec-18	CT564	Safaniya 5 SSS Platforms	NPCC	Saudi Aramco	696		8	16	625	3	Y	Batam	Offshore Facility	696
Dec-18	CT565	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco	622		12	20	625	3	Y	Batam	Offshore Facility	622
Dec-18	CT566	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco	540	425	2	16	625	3	Y	Batam	Offshore Facility	965
Dec-18	CT567	Safaniya (5 New SSS PDM'S)	NPCC	Saudi Aramco	462	496	2	16	625	3	Y	Batam	Offshore Facility	958
Dec-18	CT568	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco	324	265	2	16	625	3	Y	Batam	Offshore Facility	589
Dec-18	CTB151	Mad Dog Ph2	OneSubsea	BP	23		8	8	625	3	N	Brazil	Subsea	23
Nov-18	CT555	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco		117	12	16	625	3	N	Batam	Offshore Facility	117
Nov-18	CT556	Safaniya (5 New SSS PDM'S)	NPCC	Saudi Aramco		146	8	16	625	3	N	Batam	Offshore Facility	146
Nov-18	CT557	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco		75	12	20	625	3	N	Batam	Offshore Facility	75
Nov-18	CTB149	Liza Ph2 Project	TFMC	Exxon Mobil	4		13	13	625	3	Y	Brazil	Subsea	4
Nov-18	CTB148	Liza Ph2 Project	TFMC	Exxon Mobil	646		7.6	12	625	3	Y	Brazil	Subsea	646
Nov-18	CTB147	Mad Dog Ph2	OneSubsea	BP	13		6	6	625	3	N	Brazil	Subsea	13
Oct-18	CT552	Unknown	PT Paradise Perkasa	Conoco Phillips		3	8	8	825/625	3	Y	Batam	Offshore Facility	3
Oct-18	CT554	Gorgon Phase II	McDermott	Chevron	131		6	20	625	5.5	Y	Batam	Subsea Pipeline	131
Oct-18	CTB145	BP Mad Dog Ph2	OneSubsea	BP	1		6	6	625	3	N	Brazil	Subsea	1
Oct-18	CTB138	Peregrino Ph2	TFMC	Equinor	30		9	12	625	3	Y	Brazil	Subsea	30



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Sep-18	CT546	NFPS Project	Qatar Gas	Qatar Gas	588	84	10	20	625	3	N	Batam	Subsea Pipeline	672
Sep-18	CT548	Haradh and Hamwiyah Gas Plant	Tecnicas Reuindas / Cunardo	Saudi Aramco	7,171		6	14	825/316L	3	N	Batam	Onshore Facility	7,171
Sep-18	CT549 / CTB150	PRP 5 Project	Sapura Energy	ONGC	541		4	14	825	3	N	Brazil	Subsea Pipeline	541
Sep-18	CT551	Penguins Project	Kurvers	Shell		3	12	12	625	3	Y	Batam	Offshore Facility	3
Sep-18	CTB139	Global - Pipe	Aker Solutions	Petrobras	5		7.5	7.5	625	3	N	Brazil	Subsea	5
Jul-18	CT543	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas	12		24	24	625	3	N	Batam	Offshore Facility	12
Jun-18	CT539	Block A Gas Development Project	JGC	Medco Energy		20	6	12	825	3	Y	Batam	Onshore Facility	20
Jun-18	CT542	NMB Phase 2 Project	Sapura Energy	Hess	36		8	8	625	3	N	Batam	Subsea Pipeline	36
May-18	CT533	SG3 Aux Upgrade Project	NPCC	Saudi Aramco		250	2	10	625	3	Y	N/A	Onshore Facility	250
May-18	CT536	STP 21 Project	NPCC	Saudi Aramco		194	2	30	625	3	Y	N/A	Onshore Facility	194
Apr-18	CT527	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco	1,158	1061	6	16	625	3	N	Batam	Offshore Facility	2,219
Apr-18	CT528	Safaniya 10	McDermott	Saudi Aramco	810	434	2	16	Apr	3	N	Batam	Offshore Facility	1,244
Apr-18	CT529	13 Jackets Project	McDermott	Saudi Aramco	60		12	12	625	3	Y	Batam	Offshore Facility	60
Apr-18	CT545	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco		5	12	16	625	3	N	Batam	Offshore Facility	5
Apr-18	CTB133	BP Mad Dog Ph2	OneSubsea	BP	840		6	10	625	3	N	Brazil	Subsea	840
Mar-18	CT520	Side A Isolation Valve Installation Project	Chiyoda Almana	Qatar Gas	8	12	10	38	316L	3	N	Batam	Onshore Facility	20
Mar-18	CT522	Test Ring	Specialised Welding	Specialised Welding		1	8	8	625	3	N	Batam	Testing	1
Mar-18	CT523	NASR X-1 Flowline Project	Pakistan Petroleum	Pakistan Petroleum	500		10	10	Duplex	3	N	Batam	Onshore Pipeline	500



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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Feb-18	CT515	Vito Project	Sumitomo	Shell	252		10	10	625	3	Y	Batam	Subsea Pipeline	252
Feb-18	CT517	Askeladd Project	Equinor	Equinor	50		20	20	316L	3	N	Batam	Subsea Pipeline	50
Feb-18	CT518	SFNY 6 Project	McDermott	Saudi Aramco	988		12	16	625	3	N	Batam	Subsea	988
Feb-18	CTB128	MUX Project	OneSubsea	Petrobras		100	3	7.5	625	3	N	Brazil	Subsea	100
Feb-18	CTB123	WAG Manifold	BHGE	Petrobras		93	8	8	625	3	Y	Brazil	Subsea	93
Jan-18	CT501	Block A Gas Development Project	Galperti	Medco	180	29	4	16	316L / 825	3	N	Batam	Onshore Pipeline	209
Jan-18	CT508	Max Production Project	Occidental - Al Hosn Gas	Occidental - Al Hosn Gas		4	24	24	625	5	N	Batam	Onshore Facility	4
Jan-18	CTB120	FPSO76	Caldex	Petrobras	2	2	10	10	625	3	Y	Brazil	FPSO	4
Dec-17	CT495	4 SSS Decks Project	NPCC	Saudi Aramco	370		12	16	625	3	N	Batam	Onshore Facility	370
Dec-17	CT503	Tanggung Phase 2 Development	Saipem	BP		1	24	24	309	3	Y	Batam	Offshore Facility	1
Dec-17	CTB119	BlueBox	OneSubsea	OneSubsea		4	3	8	625	3	Y	Brazil	Subsea	4
Dec-17	CTB117	Burulus	OneSubsea	Burulus		10	3	3	625	3	N	Brazil	Subsea	10
Nov-17	CT493	Idoho BP-QIT CRA Pipeline Replacement Project	Mitsui	Exxon (MPN)	5,168		24	24	625	4	N	Batam	Subsea Pipeline	5,168
Nov-17	CT496	4 SSS Decks Project	NPCC	Saudi Aramco	300		6	16	625	3	N	Batam	Onshore Facility	300
Nov-17	CT497	Block A Gas Development Project	Galperti	Medco		3	12	12	309	3	Y	Batam	Onshore Facility	3
Nov-17	CT502	Unknown	KSH	Brunei Shell		2	2	2	625	3	Y	Batam	Offshore Facility	2
Oct-17	CT481	Free Flow Project	Saudi Aramco	Saudi Aramco	14,181		8	24	625	3	N	Batam	Onshore Pipeline	14,181
Oct-17	CT491	Kursaniyah Gas Increment Project	Al Hajri	Saudi Aramco	2		12	12	625	3	N	Batam	Onshore Facility	2



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Aug-17	CT467	NFA Development	Wilson / COOEC	Qatar Petroleum		18	16	20	625	3	N	Batam	Offshore Facility	18
Aug-17	CT475	Madura BD Field Development	PT Mediterania	Husky / CNOOC		8	6	6	625	3	N	Batam	Offshore Facility	8
Jul-17	CT466	Block A Gas Development Project	Mitsui	Medco	52	99	4	12	316L/825	3	N	Batam	Onshore Facility	151
Jul-17	CTB100	Liza Project	TFMC	Exxon Mobil	178		7.6	12	625	3	Y	Brazil	Subsea	178
Jun-17	CT459	Phon Lan Dai Project	PVDT Tech / Kim Heng Suat	Rosneft	517	10	8	16	625	3	Y	Batam	Subsea	527
May-17	CT440	Anjung Gas Development Project	Petronas	Petronas	48		18	18	825	3	N	Batam	Subsea Pipeline	48
May-17	CT454	Safaniya 4	Larson & Tubro	Saudi Aramco	720	474	2	20	625	3	N	Batam	Offshore Facility	1,194
May-17	CT456	NFA Development	Wilson / COOEC	Qatar Petroleum	594		6	20	625	3	N	Batam	Offshore Facility	594
May-17	CT460	Onshore Facilities	SES	SES	22	4	4	4	625	3	N	Batam	Onshore Facility	26
May-17	CT463	Safaniya 4	Larson & Tubro	Saudi Aramco	3	12	2	8	625	3	N	Batam	Offshore Facility	15
Apr-17	CT435	SFNY10 Jackets and 9 Decks Project	Saipem	Saudi Aramco	228		12	12	625	3	Y	Batam	Offshore Facility	228
Apr-17	CT436	Facilities CPRO Eight (8) BERRI Standardized SSS Jackets	NPCC	Saudi Aramco	29		12	16	625	3	Y	Batam	Offshore Facility	29
Apr-17	CT437	SFNY10 Subsea Swivel Flanges	Saipem	Saudi Aramco		23	10	12	625	3	N	Batam	Subsea	23
Apr-17	CT439	CRPO for 4 SSS Decks, Subsea Pipelines & Cables	EMAS Chiyoda	Saudi Aramco	600		12	12	625	3	N	Batam	Subsea Pipeline	600
Apr-17	CT442	Greater Enfield Project	Mitsui	Woodside	92		10	16	625	3	Y	Batam	Offshore Facility	92
Apr-17	CT446	Block A Gas Development Project	Mitsui	Medco	1,005		4	16	316L / 825	3	N	Batam	Onshore Pipeline	1,005
Apr-17	CT447	MRJN Development	Saipem	Saudi Aramco		24	6	16	625	3	N	Batam	Offshore Facility	24
Apr-17	CT448	CRPO for 4 SSS Decks, Subsea Pipelines & Cables	EMAS Chiyoda	Saudi Aramco	12		12	20	625	3	N	Batam	Offshore Facility	12



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Apr-17	CT449	Tangguh ORF Modification Project	Transalindo Eka Persada	BP Berau	30	10	24	24	625	5	Y	Batam	Onshore Facility	40
Apr-17	CT450	Block A Gas Development Project	Mitsui	Medco	430		4	16	316L / 825	3	N	Batam	Onshore Facility	430
Apr-17	CT452	Offshore Project	JJ Advance	PTTEP		3	8	10	625	3	N	Batam	Offshore Facility	3
Mar-17	CT429	EPCI of D6463 SFNY 9 Slipover Jackets & Decks , Pipelines, Cables and Single Well Platform (SWOP) at ZULF	McDermott	Saudi Aramco	1,002	392	2	16	625	3	Y	Batam	Offshore Facility	1,394
Mar-17	CT430	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		190	1	16	625	3	Y	Batam	Offshore Facility	190
Mar-17	CTB091	FPSO P69	Keppel Fels	Petrobras	72	5	8	10	625	3	N	Brazil	FPSO	77
Feb-17	CT416	Well Nasar X-1 Feeder Line at Gambat South	Pakistan Petroleum	Pakistan Petroleum	36		8	8	Duplex	3	N	Batam	Onshore Facility	36
Feb-17	CT418	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		3000	6	24	625	3	Y	Batam	Offshore Facility	3,000
Feb-17	CT419	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		1045	1	36	625	3	Y	Batam	Offshore Facility	1,045
Feb-17	CT420	MRJN / ZULUF 7 SSS Decks	Saipem	Saudi Aramco		667	1	16	625	3	N	Batam	Offshore Facility	667
Feb-17	CT421	Hasbah Offshore Gas Facilities Increment II for Saudi Aramco	Larson & Tubro	Saudi Aramco	56		6	6	625	3	N	Batam	Offshore Facility	56
Feb-17	CT427	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		1270	1	12	625	3	Y	Batam	Offshore Facility	1,270
Feb-17	CTB087	FPSO P76	Technip Techint Consortia	Petrobras	3		4	4	625	3	Y	Brazil	FPSO	3
Feb-17	CTB082	FPSO P76	Technip Techint Consortia	Petrobras		3	4	8	625	3	Y	Brazil	FPSO	3
Jan-17	CT409	D6980-3 Observation Platforms & 7 Jackets	McDermott	Saudi Aramco	231		12	16	625	3	Y	Batam	Offshore Facility	231
Jan-17	CT412	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		391	10	24	625	3	N	Batam	Offshore Facility	391
Jan-17	CT415	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco	2,658		6	36	625	3	N	Batam	Offshore Facility	2,658
Jan-17	CT417	Umm Lulu Full Field Development Project Phase II	Comart Spa	ADMA OPCO	198		6	16	316L / 625	3	Y	Batam	Offshore Facility	198
Dec-16	CT403	SFNY, ZULF, MRJN and Berri Field Developments	McDermott	Saudi Aramco	12	84	6	12	625	3	Y	Batam	Offshore Facility	96



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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Dec-16	CT404	Berri Project	McDermott	Saudi Aramco	285	681	2	20	625	3	Y	Batam	Offshore Facility	966
Dec-16	CT405	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		17	6	36	625	3	N	Batam	Offshore Facility	17
Nov-16	CT398	KRSN Gas Increment Project	Saudi Aramco	Saudi Aramco		27	2	6	625	3	N	Batam	Onshore Facility	27
Nov-16	CT399	Bundled 2 Project	Metalline / Thai Nippon Steel	PTTEP		28	2	8	316L	3	N	Batam	Offshore Facility	28
Oct-16	CT388	PNG LNG Slugcatcher Modifications	Wood Group PSN	Exxon Mobil	42	81	24	30	316L	3	N	Batam	Pressure Vessels	123
Oct-16	CT393	GGM Gas Upstream Maintain Potential Project	Saudi Aramco	Saudi Aramco		43	12	20	625	3	N	Batam	Onshore Facility	43
Oct-16	CTB068	FPSO P67 / P70	COOEC	Petrobras	361	64	8	8	625	3	N	Brazil	FPSO	425
Sep-16	CT373		Stain Alloy	Samsung		2	8	8	Stellite	3	Y	Batam	Onshore Facility	2
Sep-16	CT382	Onshore Facilities	Saudi Aramco	Saudi Aramco		104	6	12	625	3	N	Batam	Onshore Facility	104
Sep-16	CT374	Tangguh ORF Modification Project	BP Berau	BP Berau		16	8	18	316L	3	N	Batam	Onshore Facility	16
Sep-16	CT372	TUPI BV Project	BJC Heavy Industries	Petrobras	89	138	6	14	625	3	Y	Batam	FPSO	227
Sep-16	CTB069	Azar Field Development Project	Kladex	NIOC	42		8	8	625	3	N	Brazil	Offshore Facility	42
Aug-16	CT375	ANDR Remote Header	Saudi Aramco	Saudi Aramco	223	384	4	16	625	3	N	Batam	Onshore Facility	607
Jul-16	CT371	ABSF 2 & ABSF 6 Decks and Jackets	Saipem	Saudi Aramco	162	90	4-1/16	16	625	3	N	Batam	Offshore Facility	252
Jul-16	CT370	Karan 52/60, Karan 7, Karan TP-1 Auxiliary Platforms	Saipem	Saudi Aramco		39	12	20	625	3	N	Batam	Offshore Facility	39
Jul-16	CT369	SFNY, ZULF, MRJN and Berri Field Developments	McDermott	Saudi Aramco		3529	2	20	625	3	Y	Batam	Offshore Facility	3,529
Jul-16	CTB067	Azar Field Development Project	Kladex	NIOC	42		8	8	625	3	N	Brazil	Offshore Facility	42
Jun-16	CT366	NAUG-System-A	JGC Gulf International Co. Ltd.	Saudi Aramco	209	150	6	6	625	3	N	Batam	Onshore Facility	359
Jun-16	CT384	Jazan IGCC Project	Hidada	Hidada		3	12	12	625	3	Y	Batam	Pressure Vessels	3



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Jun-16	CT365	Gas Modular Skid Project	Gulf Steel Work	Saudi Aramco	106	1,023	6	6	625	3	N	Batam	Onshore Facility	1,129
May-16	CT342	Karan K45 / 51 Field Development	Saipem	Saudi Aramco	114		10	10	625	3	Y	Batam	Offshore Facility	114
May-16	CT347	Gas Modular Skid Project	Maritime Industrial Service	Saudi Aramco	36	350	2 1/6	6	625	3	N	Batam	Onshore Facility	386
Apr-16	CT358		Bemco Steel	Saudi Aramco		100	2	6	625	3	N	Batam	Onshore Facility	100
Apr-16	CT354		Alam Bersemi Sentosa	Pertamina	13	52	2	24	308L	3	N	Batam	Onshore Facility	65
Apr-16	CT353		Dubai Petroleum	Dubai Petroleum	7	10	18	18	316L	3	N	Batam	Offshore Facility	17
Mar-16	CT343	Gas Modular Skid Project	Oilfield Supply Centre	Saudi Aramco	100	1,085	2 1/6	6	625	3	N	Batam	Onshore Facility	1,185
Mar-16	CT352	SNP/STAR LTA ARBI 20/23 Gas Well Head Project	Saipem	Saudi Aramco	35		12	14	625	4	Y	Batam	Offshore Facility	35
Mar-16	CT350	Gas Modular Skid Project	Petronash	Saudi Aramco	100	1,116	2 1/6	6	625	3	N	Batam	Onshore Facility	1,216
Feb-16	CT344	FPSO P75 and P77 Project	BJC Heavy Industries	Petrobras		2	8	10	625	3	Y	Batam	FPSO	2
Jan-16	CT340	Booster Compressor for Bundled Phase 2 Wellhead Platform	Exterran Offshore	PTTEP		303	1/2	6	316L	3	Y	Batam	Onshore Facility	303
Dec-15	CT323	Tangguh ORF Modification Project	BP Berau	BP Berau	690	468	4	24	316L	3	N	Batam	Onshore Facility	1,158
Dec-15	CT337		Schlumberger	Oilfields		8	6	6	625	3	N	Batam	Subsea	8
Dec-15	CT338	Rabab Harwell Intergrated Project	Nirmal Industires	PDO (Shell Oman)		20	8	24	625	4.5	Y	Batam	Onshore Facility	20
Dec-15	CT333	Baronia Field Compression Project	HS Compression & Process	Petronas Carigali	3	35	2	6	316L	5	N	Batam	Pressure Vessels	38
Nov-15	CT336	Catcher FPSO	IHI Corporation	Premier Oil	32	41	2	18	625	3	N	Batam	FPSO	73
Oct-15	CT328	UZ750 Island Surface Facilities (EPC2) Project	DSME	Zakum Development Company (ZADCO)		90	6	32	825	3	Y	Batam	Offshore Facility	90
Oct-15	CT331	Umm Lulu Full Field Development Project	NPCC	ADMA OPCO	164	78	6	16	625	3	Y	Batam	Offshore Facility	242
Sep-15	CT329	NASR Full Field Development Project	NPCC	ADMA OPCO	4,188	1841	6	18	625	3	Y	Batam	Subsea	6,029



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Sep-15	CT327	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina	222	92	2	12	825	3	Y	Batam	Onshore Facility	314
Aug-15	CT321	PRP4 Project	Swiber	ONGC	51	43	16	18	825	3	N	Batam	Offshore Facility	94
Aug-15	CTB044	Repair & Maintenance WCT	FMCTI	Petrobras	3		6		625	3	Y	Brazil	Subsea	3
Jul-15	CT317	TUPI BV Project	BJC Heavy Industries	Petrobras	179	264	6	14	625	3	Y	Batam	FPSO	443
Jun-15	CT312	Schlumberger Geophysics Nusantara	Schlumberger	Schlumberger		35	6	6	825	3	N	Batam	Subsea	35
Jun-15	CT313		Mun Siong Engineering	Technip		2	3	3	316L	4	N	Batam	Subsea	2
May-15	CT308	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	134		12	12	625	2.5	Y	Batam	Subsea Pipeline	134
May-15	CT311	Gorgon Field Development	PFP	Chevron		66	2 1/16	5 1/8	625	3	Y	Batam	Subsea	66
May-15	CT307	Integrated Refinery Expansion Project	Engineers India Limited	Bharat Petroleum	32	61	8	30	625	3	N	Batam	Refinery	93
Apr-15	CT302	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	113		12	12	316L	2	N	Batam	Subsea Pipeline	113
Apr-15	CT304	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina		12	4	12	625	3	Y	Batam	Subsea	12
Mar-15	CT303	Reservoir Testing	Schlumberger	Schlumberger		6	4	4	625	3	N	Batam	Subsea	6
Mar-15	CT305	Liwan Deepwater Project	HCML Husky CNOOC	HCML Husky CNOOC	9		12	12	625 & 316L	2.5	N	Batam	Subsea Pipeline	9
Mar-15	CT301	OSII Phase 2 Development Project	NPCC	ADMA OPCO	8	14	6	12	825	3	N	Batam	Offshore Facility	22
Mar-15	CTB037	WAG Manifold	GE Oil & Gas	Petrobras	556	370	3		625	3	N	Brazil	Subsea	926
Jan-15	CT298	Cessao Onerosa Area 76 Development	TK Corporation	Petrobras		99	4"	16"	625	3	Y	Batam	Offshore Facility	99
Jan-15	CTB049	Replicant FPSO Project	Tome-Ferrosstaal	Petrobras	271.8	116	3	12	625	3	Y	Brazil	FPSO	388
Jan-15	CTB036	FPSO P75 / FPSO P77	EBSE (MODEC)	Petrobras		18	2	14	316L	3	Y	Brazil	FPSO	18
Jan-15	CTB035	FPSO P76	EBSE (MODEC)	Petrobras		2	3		316L	3	Y	Brazil	FPSO	2



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Dec-14	CT300	TEN URF Project	Officine Nicola Galperti	Tullow		107	5	6	625	3	Y	Batam	Subsea	107
Dec-14	CT295	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina	978	540	6	12	825	3	Y	Batam	Onshore Pipeline	1,518
Dec-14	CT274	Bangka Subsea Project	Mitsui / Technip	Chevron	350		4	10	625	4	N	Batam	Subsea	350
Nov-14	CT291	Bekapai 2B - EPSC 1	Meindo Elang Indah	Total		3	2	6	625	3	Y	Batam	Onshore Facility	3
Nov-14	CT290		Schlumberger	Schlumberger		28	6	6	625	4	Y	Batam	Subsea	28
Nov-14	CTB036	FPSO P77	EBSE (MODEC)	Petrobras		24	2	6	316L	3	Y	Brazil	FPSO	24
Nov-14	CTB034	FPSO P75	EBSE (MODEC)	Petrobras		24	2	6	316L	3	Y	Brazil	FPSO	24
Nov-14	CTB033	FPSO - P74	IESA	Petrobras		249	2	24	316L	3	Y	Brazil	FPSO	249
Nov-14	CTB031	FPSO - P69	Keppel Fels	Petrobras	894	125	4	20	625	3	N	Brazil	FPSO	1,019
Nov-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		15	8		625	3	N	Brazil	FPSO	15
Oct-14	CT288	Cessao Onerosa Area 74 Development	TK Corporation	Petrobras		10	12	14	625	3	Y	Batam	Offshore Facility	10
Oct-14	CT287		Yeow Hwa Engineering	Yeow Hwa Engineering	2		18	18	625	3.8	Y	Batam	Onshore Facility	2
Oct-14	CT286	Madura BD Field Development	HCML Husky CNOOC	HCML Husky CNOOC	22	147	6	10	825	3	N	Batam	Onshore Facility	169
Oct-14	CTB035	FPSO P76	EBSE (MODEC)	Petrobras		18	2	6	316L	3	Y	Brazil	FPSO	18
Sep-14	CT285	Chevron 2013 add Workspace	CUEL	Chevron	27		10	16	625	3	Y	Batam	Offshore Facility	27
Sep-14	CT282	Renewal of 3rd Stage Discharge Piping	OGASCO	OGASCO	18	154	4	14	825	3	N	Batam	Onshore Facility	172
Sep-14	CT272		Sucoin	Sucoin	96		8	12	317L	3.2	Y	Batam	Offshore Facility	96
Sep-14	CT281	Phase 47 Project	CUEL	Chevron	87		6	12	625	3	Y	Batam	Offshore Facility	87
Aug-14	CT243	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco		17	36	36	625	3	Y	Batam	Offshore Facility	17



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Aug-14	CT280	Donggi Gas Matindok Project	Mitra Galperti Indonesia	Pertamina		26	4	6	625	3	Y	Batam	Onshore Facility	26
Aug-14	CT277	P75 and P77 Project	BJC Heavy Industries	Petrobras	6,100	3,648	6	24	625	3	Y	Batam	FPSO	9,748
Jul-14	CT276	TEN URF Project	Officine Nicola Galperti	Tullow		125	8	10	625	3	Y	Batam	Subsea	125
Jun-14	CT275		Schlumberger	Schlumberger		12	4	4	625	3	Y	Batam	Subsea	12
May-14	CT270	TEN URF Project	Technip	Tullow	450		8	10	625	3	Y	Batam	Subsea	450
May-14	CT271	Harweel Project	OOISS	PDO (Shell Oman)		26	6	24	825	3	Y	Batam	Onshore Facility	26
Apr-14	CT269	Satah Al Raz Boot (SARB) Project	Hyundai Engineering & Construction	ADMA OPCO	6,200	1,711	6	24	625	3	Y	Batam	Onshore Facility	7,911
Apr-14	CT260	UZ750 Island Surface Facilities (EPC2) Project	DSME	Zakum Development Company (ZADCO)	2,874		6	36	825	3.5	Y	Batam	Offshore Facility	2,874
Apr-14	CTB031	FPSO - P69	Keppel Fels	Petrobras	150	32	4	20	625	3	N	Brazil	FPSO	182
Apr-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		6	8		625	3	N	Brazil	FPSO	6
Apr-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		39	8	20	625	3	N	Brazil	FPSO	39
Mar-14	CT299	USSC Flexibility Assurance (AGFA) Project	NPCC / Technip	ADMA OPCO	852	688	6	30	625	3	Y	Batam	Onshore Facility	1,540
Mar-14	CT268	Umm Lulu Full Field Development Project	NPCC	ADMA OPCO		1,082	6	16	625	3	Y	Batam	Subsea	1,082
Mar-14	CT264	Gorgon Field Development	GE Oil & Gas	Chevron	6		30	34	625	3	Y	Batam	Subsea	6
Mar-14	CT266	TUPI BV Project	Wilh Schulz GmbH	Petrobras	36		8	8	625	3	Y	Batam	FPSO	36
Mar-14	CT267	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	12	97	2	10	625	3	Y	Batam	Offshore Facility	109
Mar-14	CTB021	FPSO - P66	Keppel Fels	Petrobras	114	31	4	20	625	3	N	Brazil	FPSO	145
Feb-14	CT265	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	12		12	12	625	2.5	N	Batam	Subsea Pipeline	12
Feb-14	CT261	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	6		36	36	625	3	Y	Batam	Offshore Facility	6



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Feb-14	CT248	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Simas	Saudi Aramco	27		36	36	625	3	Y	Batam	Offshore Facility	27
Jan-14	CT259	UZ750 Island Surface Facilities (EPC2) Project	Petrofac	Zakum Development Company (ZADCO)		1,070	6	32	825	3	Y	Batam	Offshore Facility	1,070
Jan-14	CTB025	Replicantes FPSO Project	EBSE (MODEC)	Petrobras		333	2	24	316L	3	Y	Brazil	FPSO	333
Dec-13	CT257	Gorgon Field Development	PFP	Chevron	10		6	6	625	3	N	Batam	Offshore Facility	10
Dec-13	CTB026	FPSO - P66	DELP	Petrobras		24	3	24	316L	3	Y	Brazil	FPSO	24
Oct-13	CT255	Harweel Transition Project	OOISS	PDO (Shell Oman)	120	75	6	24	825	3	Y	Batam	Onshore Facility	195
Sep-13	CT219	Senoro Project	Samsung Engineering	Pertamina	994	56	6	16	625	3	Y	Batam	Onshore Pipeline	1,050
Aug-13	CT247	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	146		36	36	625	3	Y	Batam	Offshore Facility	146
Jul-13	CT241	KHUFF Gas Project	Saudi Aramco	Saudi Aramco	4,085	3,772	1	24	625	3	N	Batam	Onshore Facility	7,857
Jul-13	CTB022	Cidade de Itaguaí FPSO	EBSE (MODEC)	Petrobras		59	2	24	316L	3	Y	Brazil	FPSO	59
Jun-13	CTB008	Replicant FPSOs - process modules	Tome-Ferrostaal	Petrobras	8208	4740	2	24	625	3	Y	Brazil	FPSO	12,948
May-13	CT240	Harweel Transition Project	OOISS	Petroleum Development Oman		489	6	16	625	3	Y	Batam	Onshore Facility	489
May-13	CT239	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	McDermott	Saudi Aramco	268	8	12	16	625	3	Y	Batam	Offshore Facility	276
May-13	CT237	Total Project	Schulz Indonesia	Total		3	3/4	3/4	625	3	Y	Batam	Offshore Facility	3
May-13	CT238	TUPI BV Project	Lindel	Petrobras	990	57	8	20	625	3	N	Batam	FPSO	1,047
May-13	CT233	Karan K45 / 51 Field Development	McDermott	Saudi Aramco	3,250		20	20	625	3.6	Y	Batam	Offshore Facility	3,250
Apr-13	CT230		Mitra Piping Utama	Galperti		2	2	2	625	3	Y	Batam	Onshore Facility	2
Apr-13	CT218	Safiniya Phase 2 Project	McDermott	Saudi Aramco	5,156		10.75	30	625	3	Y	Batam	Subsea Pipeline	5,156
Apr-13	CT217		Profab		19	6	16	16	316L	3	Y	Batam	Pressure Vessels	25



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Apr-13	CTB020	RNEST	Schulz	Petrobras		16	16		317L	3	Y	Brazil	Refinery	16
Mar-13	CT228	Karan K45 / 51 Field Development	McDermott	Saudi Aramco	176		20	20	625	3	Y	Batam	Offshore Facility	176
Mar-13	CT225	Ruby Field Development	Profab	Pertamina	6	4	8	8	625	3	Y	Batam	Offshore Facility	10
Mar-13	CT229	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	S.C. Vilmar S.A	Saudi Aramco		54	2	4	625	3	Y	Batam	Offshore Facility	54
Mar-13	CTB021	FPSO - P66	Keppel Fels	Petrobras	990	66	8	20	625	3	N	Brazil	FPSO	1,056
Feb-13	CT220		Heat Exchanger Indonesia	Heat Exchanger Indonesia		4	2	3	316L	3	Y	Batam	Pressure Vessels	4
Jan-13	CTB009/014/015/017/018	Global/Baleia Azul/Papa Terra/Cidon	Cameron	Petrobras	1061				625	3	Y	Brazil	Subsea	1,061
Jan-13	CTB010/11/19/23/24	GLL10/Bijupira/MCV	FMCTI	Petrobras	645				625	3	Y	Brazil	Subsea	645
Jan-13	CTB013	Lula Guara	Subsea 7	Petrobras	150				625	3	Y	Brazil	Subsea	150
Dec-12	CT180	Nozzle Cladding	Heat Exchanger Indonesia	Heat Exchanger Indonesia		79	2	3	316L	3	Y	Batam	Pressure Vessels	79
Nov-12	CT194		Profab	Profab		17	2	3	316L	3	N	Batam	Pressure Vessels	17
Nov-12	CT212		Transalindo Eka Persada	Transalindo Eka Persada		14	2	3	316L	3	Y	Batam	Pressure Vessels	14
Nov-12	CTB007	GNL Bahia - Terminal	Andrade Gutierrez	Petrobras	5		28		Monel (Alloy 400)	5	Y	Brazil	Offshore Facility	5
Oct-12	CT204	KHUFF Gas Project	Saudi Aramco	Saudi Aramco	612	867	2	8	625	3	N	Batam	Onshore	1,479
Oct-12	CT195	Ichthys Project	Edgen Murray	INPEX	524		38	40	625	3	Y	Batam	Subsea	524
Oct-12	CT203	Gorgon Field Development	Allied International	Chevron	106		6	12	625	3	Y	Batam	Subsea	106
Oct-12	CTB004	Cidade Mangaratiba FPSO	EBSE (MODEC)	Petrobras		151	2	30	625	3	Y	Brazil	FPSO	151
Aug-12	CT188	Mitra Galperti Flanges	Mitra Galperti Indonesia	Pertamina		45	2	6	316L	3	Y	Batam	Onshore Facility	45
Jun-12	CT178	Gorgon Field Development	Hyundai Heavy Industries	Chevron		80	8	14	625	3	Y	Batam	Onshore Facility	80



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Jun-12	CT175	Panyu Serimax	Serimax	Serimax	6		6	6	625	3	Y	Batam	Subsea	6
Jun-12	CT173	Gorgon Field Development	TK Corporation	Chevron		20	4	6	625	3	Y	Batam	Onshore Facility	20
May-12	CT171	Shah Gas Project	TR Abu Dhabi	ADMA OPCO		172	2	16	625	3	N	Batam	Onshore Facility	172
May-12	CT187	Damar Gas Project	Prime Sourcing International	Exxon Mobil	115		16	16	825	2.5	Y	Batam	Subsea Pipeline	115
Feb-12	CT165	Gorgon Field Development	McDermott	Chevron		32	2 1/16	2 1/16	625	3	Y	Batam	Subsea	32
Feb-12	CT147	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	1,827	3,974	1	36	625	3	N	Batam	Offshore Facility	5,801
Feb-12	CT166	Gorgon Field Development	TK Corporation	Chevron		12	6	36	625	3	Y	Batam	Onshore Facility	12
Jan-12	CT144	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	11,102	445	12	36	625	3	N	Batam	Subsea Pipeline	11,547
Jan-12	CT159	Eastern Union	Eastern Union Establishment	ADMA OPCO		29	8	10	625	3	N	Batam	Offshore Facility	29
Dec-11	CT153	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas	84		4	24	625	4.5	N	Batam	Offshore Facility	84
Dec-11	CT156	Perla Project	Cardon IV (ENI Repsol JV)	Cardon IV (ENI Repsol JV)	142		14	31	316L	3	N	Batam	Subsea Pipeline	142
Nov-11	CT149	Gorgon Field Development	McDermott	Chevron		38	4	30	625	3	Y	Batam	Subsea	38
Nov-11	CT148	Macedon Project	PPF	BHP Billiton	36		8	20	625	3	Y	Batam	Subsea	36
Oct-11	CT143	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas		11	24	24	625	3	N	Batam	Offshore Facility	11
Oct-11	CT132	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	183		36	36	625	3	N	Batam	Offshore Facility	183
Oct-11	CT140	Shah Gas Project	TR Abu Dhabi	ADMA OPCO	3,401	1,106	2	36	625	3.5	N	Batam	Onshore Pipeline	4,507
Oct-11	CT141	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas		496	6	24	625	3	N	Batam	Offshore Facility	496
Sep-11	CT138	Shah Gas Project	Samsung Engineering	ADMA OPCO	7,124	289	6	16	625 & 825	3	Y	Batam	Onshore Pipeline	7,413
Sep-11	CT135	Integrated Gas Development	Corrotherm International	ADMA OPCO	48	1	4	10	625	3	Y	Batam	Offshore Facility	49



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Sep-11	CT137	Block 06.1 Phase 3 - Lan Do Development Project	Willhelm	BP Vietnam	504		12	12	625	3.2	Y	Batam	Offshore Facility	504
Aug-11	CT131		J.J Advance	J.J Advance	5	8	2	14	316L	3	Y	Batam	-	13
Aug-11	CT134	Shell Bugis Project	Kim Seng Huat	Shell	114	127	4	16	825	3	Y	Batam	Refinery	241
Jun-11	CT122	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	3,037		8	22	625 & 316L	3	N	Batam	Subsea Pipeline	3,037
Jun-11	CT126	Gorgon Field Development	Edgen Murray	Chevron	140		4	10	625	3	N	Batam	Offshore Facility	140
Jun-11	CT133		Mitra Galperti Indonesia	Pertamina		4	24	24	625	3	Y	Batam	Offshore Facility	4
Jun-11	CT124	Gorgon Upstream Project	McDermott	GE Oil & Gas	1		34	34	625	3	Y	Batam	Subsea	1
Jun-11	CT125	Macedon Project	PFP	BHP Billiton	311		8	8	625	3	Y	Batam	Offshore Facility	311
Jun-11	CT130	YC 13-4 Gas Field Development	Roc Master	Roc Master	59		6	8	316L	3	Y	Batam	Offshore Facility	59
May-11	CT121	Gorgon Field Development	TK Corporation	Chevron		90	4	6	625	3	N	Batam	Onshore Facility	90
May-11	CT129		Arabian Pipeline	Arabian Pipeline	6	7	8	14	825	3	N	Batam	Onshore Facility	13
Feb-11	CT115		Heat Exchanger Indonesia	Heat Exchanger Indonesia	18		2	4	316L	3	Y	Batam	Pressure Vessels	18
Feb-11	CT113		Nippon Steel	Total		300	1	18	316L	3	N	Batam	Offshore Facility	300
Jan-11	CT114	Sisi Nubi Project	Mitra Galperti Indonesia	Pertamina		31	4	24	625	3	Y	Batam	Offshore Facility	31
Jan-11	CT110	YC 13-4 Gas Field Development	Roc Master	CNOOC	181		8	8	316L	3	N	Batam	Offshore Facility	181
Dec-10	CT101	Gorgon Field Development	GE Oil & Gas	Chevron	4	10	2	6	625	3	N	Batam	Subsea	14
Dec-10	CT106		JSL Solutions	JSL Solutions	2		8	8	316L	3	Y	Batam	-	2
Nov-10	CT100	Gorgon Field Development	GE Oil & Gas	Chevron	4,100	778	2	34	625	6.5	N	Batam	Subsea	4,878
Nov-10	CT104	Clad Flange	Profab	Profab		10	2	2	316L	3	Y	Batam	Pressure Vessels	10



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Oct-10	CT99	Gorgon Field Development	TK Corporation	Chevron		319	4	36	625	3	N	Batam	Subsea	319
Sep-10	CT96	Ruwais 3	Daeshin International	Linde		7	32	32	Stellite	5	N	Batam	Manifold	7
Sep-10	CT105	Bab Thamama G & Habshan 2 1.8 MMBOPD Phase 1 Development	NPCC	ADMA OPCO	876	10	14	14	825	3	N	Batam	Onshore Facility	886
Aug-10	CT95	Esso KTT	McDermott	Exxon Mobil		2	12	12	625	3	Y	Batam	Offshore Facility	2
Jul-10	CT92	Gorgon Field Development	Inotech	Chevron	1,457		4	36	625	3	N	Batam	Subsea	1,457
Jul-10	CT87		Profab	Profab		2	10	10	309L	3	Y	Batam	Pressure Vessels	2
Apr-10	CT77	Gorgon Field Development	GE Oil & Gas	Chevron	1,856	1,080	2	34	625	6.5	N	Batam	Subsea	2,936
Apr-10	CT75	Bend Pipe Test	Yeow Hwa Engineering	Yeow Hwa Engineering	2		8	8	625	3	N	Batam	Testing	2
Apr-10	CT78	New TDAE Unit	Unimit Engineering	Unimit Engineering	2		2	2	316L	3	N	Batam	Refinery	2
Apr-10	CT81	CDU, VDU, CFC, LPG Treating & ATF Treating Units - Phase III Refinery Project	Jacobs	Mangalore Refinery and Petrochemical	965	66	10	48	316L	3	Y	Batam	Refinery	1,031
Apr-10	CT79	Kipper Tuna Turrum	Galperti	Exxon Mobil		3	6	6	625	3	N	Batam	Offshore Facility	3
Mar-10	CT72		Transalindo Eka Persada	Transalindo Eka Persada	6		8	20	316L	3	N	Batam	-	6
Jan-10	CT69		JSL Solutions		22		8	20	316L	3	Y	Batam	Onshore Facility	22
Dec-09	CT65	Heavy Wall Pipe Trial Project	Tenaris	Tenaris	15		12	12	625	3	N	Batam	Testing	15
Oct-09	CT67	CDU, VDU, CFC, LPG Treating & ATF Treating Units - Phase III Refinery Project	Jacobs	Mangalore Refinery and Petrochemical	128	331	10	48	316L	3	Y	Batam	Refinery	459
Aug-09	CT62	Reshadat Renovation	SADRA	IOOC	244	227	1	14	825	3	N	Batam	Offshore Facility	471
Jul-09	CT57	Fluke - WYE Piece	Multi Alloy	Multi Alloy		3	6	6	625	3	N	Batam	-	3
Jul-09	CT56		Usiminas Mecanica	Petrobras	17		6	12	316L	3	N	Batam	Refinery	17
Jul-09	CT58	Tunu Field Development Phase 13	Kaliraya Sari	Total		19	8	8	316L	3	N	Batam	Offshore Facility	19



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Jul-09	CT59	Petrokemya Polythelyene Plant	Profab	Arabian Petrochemical Co		18	3	20	C276	3	Y	Batam	Refinery	18
Jul-09	CT60	Process Vessels	Profab	Process Group		48	2	24	316L	3	Y	Batam	Pressure Vessels	48
Jul-09	CT61	Process Vessels	Profab	VME		5	10	24	316L	3	Y	Batam	Pressure Vessels	5
Apr-09	CT52	P55 Development	Atlanticosul/Protubo	Petrobras	955	52	8	8	625	3.3	Y	Batam	FPSO	1,007
Apr-09	CT54	Tunu Field Development Phase 12	Kaliraya Sari	Total		4	3 1/8	3 1/8	625	3	N	Batam	Offshore Facility	4
Jan-09	CT49	Deep Panuke PFC	DSME	Encana Corporation		79	2	24	316L	3	N	Batam	Offshore Facility	79
Dec-08	CT48		S.M.O.E	S.M.O.E		21	3/4	2	316L	-	-	Batam	-	21
Nov-08	CT46		J.J Advance	J.J Advance	5	14	2	20	316L	3	N	Batam	-	19
Nov-08	CT47		I Supply & Service	I Supply & Service		6	6	10	625	3.5	N	Batam	-	6
Aug-08	CT45	Jambi Merang Development	Mitra Galperti Indonesia	Pertamina		4	8	10	316L	3.5	N	Batam	Onshore Facility	4
Apr-08	CT37	Flange Overlay Weld 625	Mitra Galperti Indonesia	Total		20	4	4	625	3	Y	Batam	Offshore Facility	20
Mar-08	CT38		J.J Advance	J.J Advance		20	2	24	347	3	N	Batam	-	20
Dec-07	CT29		Mitra Galperti Indonesia	Total		14	2	4	316L	3	Y	Batam	Offshore Facility	14
Dec-07	CT26	Jambi Merang Development	Rekayasa Industri	Pertamina	3		8	10	316L	3	N	Batam	Onshore Pipeline	3
Nov-07	CT28		Mitra Galperti Indonesia	Total		28	2	4	316L	3	Y	Batam	Offshore Facility	28
Nov-07	CT27		Mitra Galperti Indonesia	Total		46	4	4	625	3	N	Batam	Offshore Facility	46
Sep-07	CT23		J.J Advance	J.J Advance	4	3	6	20	316L	3	N	Batam	-	7
Aug-07	CT20	Tatun Oily Water Treatment Project	Mitra Galperti Indonesia	Total		20	3	6	316L	3	N	Batam	Offshore Facility	20
Aug-07	CT22		Phoceene	Phoceene		1	16	16	316L	3	Y	Batam	-	1



Scope Inclusions and Quantity		Size Range		Cladding Materials		Raw Materials
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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	From (Inch)	To (Inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
May-07	CT19	Tatun Oily Water Treatment Project	Mitra Galperti Indonesia	Total		99	6	6	625	3	Y	Batam	Offshore Facility	99
Apr-07	CT18		UMW Coating Technologies	UMW Coating Technologies	2	7	2	6	316L	3.2	Y	Batam	-	9
Mar-07	CT16	Rectification Works 316L Clad Fittings	Phoceene	Carigali Hess		20	16	16	316L	3	Y	Batam	-	20
Jan-07	CT14		PFP	PFP	12	8	10	10	625	3	N	Batam	-	20
Jan-07	CT15		PFP	PFP		12	4	8	316L	3	N	Batam	-	12
Dec-06	CT06	Sisi Nubi Project	Nippon Steel	Pertamina		160			309L	3	N	Batam	Offshore Facility	160
Dec-06	CT12	Hasdrubal Gas Project	British Gas	British Gas	393		12	18	825	2.5	-	Batam	Subsea Pipeline	393
Nov-06	CT13		Igawara Industrial	Igawara Industrial	30		2	12	316L	3.2	-	Batam	-	30
Jan-05	CT02	Merbau Gas Gathering and Pagardewa Gas Project	Inti Karya Persada Tehnik	Pertamina	192		4	6	825	3	N	Batam	Onshore Pipeline	192