



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Dec-18	CT558	3 Gas PDM'S Project	GSW	Saudi Aramco				37					8	8	625	3	N	Batam	Offshore Facility
Dec-18	CT559	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco				249					6	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT561	JTB Unitisation Gas Project	Rekayasa Industri	Pertamina	1,206	401							4	24	825	3	N	Batam	Offshore Facility
Dec-18	CT562	Zulf Field 9 SSS Jackets	NPCC	Saudi Aramco	164								12	12	625	3	Y	Batam	Offshore Facility
Dec-18	CT563	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco	804								12	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT564	Safaniya 5 SSS Platforms	NPCC	Saudi Aramco	696								8	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT565	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco	622								12	20	625	3	Y	Batam	Offshore Facility
Dec-18	CT566	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco	540	425							2	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT567	Safaniya (5 New SSS PDM'S)	NPCC	Saudi Aramco	462	496							2	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT568	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco	324	265							2	16	625	3	Y	Batam	Offshore Facility
Dec-18	CT569	Zulf Field 9 SSS Jackets	NPCC	Saudi Aramco						5			12	12	625	3	Y	Batam	Offshore Facility
Dec-18	CTB152	Development	TFMC	TFMC			12						10	10	625	3	N	Brazil	Subsea
Dec-18	CTB151	Mad Dog Ph2	OneSubsea	BP	23								8	8	625	3	N	Brazil	Subsea
Nov-18	CT555	Safaniya (8 Slipover Platforms)	NPCC	Saudi Aramco		117							12	16	625	3	N	Batam	Offshore Facility
Nov-18	CT556	Safaniya (5 New SSS PDM'S)	NPCC	Saudi Aramco		146							8	16	625	3	N	Batam	Offshore Facility
Nov-18	CT557	Safaniya (4 Slipover Platforms)	NPCC	Saudi Aramco		75							12	20	625	3	N	Batam	Offshore Facility
Nov-18	CT560	Unknown	Bel Valves	Saudi Aramco				1					6	6	625	3	Y	Batam	Offshore Facility
Nov-18	CTB149	Liza Ph2 Project	TFMC	Exxon Mobil	4								13	13	625	3	Y	Brazil	Subsea
Nov-18	CTB148	Liza Ph2 Project	TFMC	Exxon Mobil	646					24			7.6	12	625	3	Y	Brazil	Subsea
Nov-18	CTB147	Mad Dog Ph2	OneSubsea	BP	13								6	6	625	3	N	Brazil	Subsea
Nov-18	CTB146	LLOG SSP	TFMC	LLOG						4			6	6	N/A	N/A	Y	Brazil	Subsea
Oct-18	CT552	Unknown	PT Paradise Perkasa	Conoco Phillips		3							8	8	825/625	3	Y	Batam	Offshore Facility
Oct-18	CT553	MLP Double Jointing Qualification	Technip	Technip								1	14	14	625	3	N	Batam	Testing



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Oct-18	CT554	Gorgon Phase II	McDermott	Chevron	131								6	20	625	5.5	Y	Batam	Subsea Pipeline
Oct-18	CTB145	BP Mad Dog Ph2	OneSubsea	BP	1								6	6	625	3	N	Brazil	Subsea
Oct-18	CTB144	Development	TFMC	TFMC			24						10	10	625	3	N	Brazil	Subsea
Oct-18	CTB143	Manifold Robotico	TFMC	Petrobras						2			10	10	625	3	Y	Brazil	Subsea
Oct-18	CTB142	Facility upgrade (Coffee Factory)	Cocam	Cocam						16			6	6	N/A	N/A	Y	Brazil	Non O&G
Oct-18	CTB138	Peregrino Ph2	TFMC	Equinor	30					17			9	12	625	3	Y	Brazil	Subsea
Sep-18	CT541	Injection Point Assemblies	Dangote Oil Refining Co. Ltd	Dangote Oil Refining Co. Ltd								18	16	30	316L	N/A	N/A	Batam	Refinery
Sep-18	CT546	NFPS Project	Qatar Gas	Qatar Gas	588	84							10	20	625	3	N	Batam	Subsea Pipeline
Sep-18	CT547	Clad Pipe Services (Gorgon Phase 2)	Baker Hughes GE	Baker Hughes GE								1	N/A	N/A	N/A	N/A	Y	Batam	Offshore Facility
Sep-18	CT548	Haradh and Hamwiyah Gas Plant	Tecnicas Reuindas / Cunardo	Saudi Aramco	7,171								6	14	825/316L	3	N	Batam	Onshore Facility
Sep-18	CT549 / CTB150	PRP 5 Project	Sapura Energy	ONGC	541								4	14	825	3	N	Brazil	Subsea Pipeline
Sep-18	CT550	Pheonwj-YY FDP Project	PT Meindo	Pertamina						15			12	12	N/A	N/A	Y	Batam	Onshore Pipeline
Sep-18	CT551	Penguins Project	Kurvers	Shell		3							12	12	625	3	Y	Batam	Offshore Facility
Sep-18	CTB140	Global - Pipe	Vimetal	Vimetal						4			12	12	N/A	N/A	Y	Brazil	Non O&G
Sep-18	CTB139	Global - Pipe	Aker Solutions	Petrobras	5								7.5	7.5	625	3	N	Brazil	Subsea
Jul-18	CT535	Salton Sea Lithium Project	EEW Steel	Salton Sea			14,800						22	22	625	3	N	Batam	Onshore Pipeline
Jul-18	CT543	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas	12								24	24	625	3	N	Batam	Offshore Facility
Jul-18	CTB137	Mero I	Aker Solutions	Petrobras						182			3	8	625	3	N	Brazil	Subsea
Jul-18	CTB135	MCV Bend	Aker Solutions	Petrobras						1			5	5	625	3	N	Brazil	Subsea
Jun-18	CT539	Block A Gas Development Project	JGC	Medco Energy		20							6	12	825	3	Y	Batam	Onshore Facility
Jun-18	CT540	Cepu Kedang Keris Project	PT Dwi Agung Sentosa	Exxon Mobil								12	10	10	N/A	N/A	Y	Batam	Onshore Facility
Jun-18	CT542	NMB Phase 2 Project	Sapura Energy	Hess	36								8	8	625	3	N	Batam	Subsea Pipeline



Scope Inclusions and Quantity

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Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
May-18	CT530	Gundih Pipeline Project	El Nusa	Pertamina			7,000						6	6	825	3	N	Batam	Onshore Pipeline
May-18	CT531	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco								1	36	36	625	3	N/A	N/A	Onshore Facility
May-18	CT532	Idoho BP-QIT CRA Pipeline Replacement Project	Acteon	Exxon Mobil				2					24	24	625	4	N	Batam	Offshore Facility
May-18	CT533	SG3 Aux Upgrade Project	NPCC	Saudi Aramco		250							2	10	625	3	Y	N/A	Onshore Facility
May-18	CT534	Stellite Spool Fabrication	Hongkong SKT	Hongkong SKT				2					14	14	Stellite	5	Y	Batam	Onshore Facility
May-18	CT536	STP 21 Project	NPCC	Saudi Aramco		194							2	30	625	3	Y	N/A	Onshore Facility
Apr-18	CT526	Safaniya 6	McDermott	Saudi Aramco						46			12	16	625	3	N	Batam	Offshore Facility
Apr-18	CT527	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco	1,158	1061							6	16	625	3	N	Batam	Offshore Facility
Apr-18	CT528	Safaniya 10	McDermott	Saudi Aramco	810	434							2	16	Apr	3	N	Batam	Offshore Facility
Apr-18	CT529	13 Jackets Project	McDermott	Saudi Aramco	60								12	12	625	3	Y	Batam	Offshore Facility
Apr-18	CT544	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco						23			12	16	625	3	N	Batam	Offshore Facility
Apr-18	CT545	3 Gas PDM'S Project	Larson & Tubro	Saudi Aramco		5							12	16	625	3	N	Batam	Offshore Facility
Apr-18	CTB136	BP Mad Dog Ph2	OneSubsea	BP						1			6	6	625	3	N	Brazil	Subsea
Apr-18	CTB133	BP Mad Dog Ph2	OneSubsea	BP	840					138			6	10	625	3	N	Brazil	Subsea
Apr-18	CTB131	RECAP	Asvotec	Petrobras						4			8	8	N/A	NA	Y	Brazil	Refinery
Mar-18	CT524	BCP Line Pipe	Trace Trading	ADCO									6	14	254SMO	3	Y	Batam	Onshore Facility
Mar-18	CT520	Side A Isolation Valve Installation Project	Chiyoda Almana	Qatar Gas	8	12							10	38	316L	3	N	Batam	Onshore Facility
Mar-18	CT521	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco								1	36	36	625	3	N/A	N/A	Onshore Facility
Mar-18	CT522	Test Ring	Specialised Welding	Specialised Welding		1							8	8	625	3	N	Batam	Testing
Mar-18	CT523	NASR X-1 Flowline Project	Pakistan Petroleum	Pakistan Petroleum	500								10	10	Duplex	3	N	Batam	Onshore Pipeline
Mar-18	CTB129	Global 2011	Aker Solutions	Petrobras				2					7.5	7.5	625	3	Y	Brazil	Subsea
Feb-18	CT422	Lekki Refinery and Polypropylene Plant	Dangote Oil Refining Co. Ltd	Dangote Oil Refining Co. Ltd								9	20	26	316	6	N	Batam	Refinery



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Feb-18	CT505	Unknown	Saudi Aramco	Saudi Aramco						10			8	8	N/A	N/A	N	Batam	Onshore Facility
Feb-18	CT506	Cepu Kedang Keris Project	PT Indah Steel	Exxon Mobil						55			10	10	N/A	N/A	Y	Batam	Onshore Facility
Feb-18	CT510	KGD6 R Cluster Field Project	OneSubsea	Reliance				6					3.5	3.5	625	3	Y	Batam	Subsea
Feb-18	CT515	Vito Project	Sumitomo	Shell	252					15			10	10	625	3	Y	Batam	Subsea Pipeline
Feb-18	CT517	Askeladd Project	Equinor	Equinor	50		360						20	20	316L	3	N	Batam	Subsea Pipeline
Feb-18	CT518	SFNY 6 Project	McDermott	Saudi Aramco	988								12	16	625	3	N	Batam	Subsea
Feb-18	CT519	Hasbah Offshore Gas Facilities Increment II for Saudi Aramco	Emas - Subsea 7	Saudi Aramco						33			16	16	625	3	N	Batam	Subsea
Feb-18	CTB130	Reliance	OneSubsea	Reliance						6			3	3	N/A	NA	N	Brazil	Subsea
Feb-18	CTB128	MUX Project	OneSubsea	Petrobras		100		36		56			3	7.5	625	3	N	Brazil	Subsea
Feb-18	CTB127	BPAT DC2	TFMC	BP						8			6	6	625	3	Y	Brazil	Subsea
Feb-18	CTB126	SMIS SSOD	TFMC	LLOG						6			7.5	7.5	N/A	N/A	Y	Brazil	Subsea
Feb-18	CTB125	Trading company	Empenha	Empenha						1			5	5	N/A	N/A	Y	Brazil	Non O&G
Feb-18	CTB124	Facility upgrade (Coffee Factory)	Companhia Cacique	Companhia Cacique						4			6	6	N/A	N/A	Y	Brazil	Non O&G
Feb-18	CTB123	WAG Manifold	BHGE	Petrobras		93							8	8	625	3	Y	Brazil	Subsea
Feb-18	CTB121	Libra MLP Development	TFMC	Petrobras			36						8	8	625	3	N	Brazil	Subsea
Jan-18	CT501	Block A Gas Development Project	Galperti	Medco	180	29	48						4	16	316L / 825	3	N	Batam	Onshore Pipeline
Jan-18	CT508	Max Production Project	Occidental - Al Hosn Gas	Occidental - Al Hosn Gas		4							24	24	625	5	N	Batam	Onshore Facility
Jan-18	CT511	Unknown	Saudi Aramco	Saudi Aramco						1			6	6	N/A	N/A	N	Batam	Onshore Facility
Jan-18	CT513	SFNY 6 Project	McDermott	Saudi Aramco						26			12	16	N/A	N/A	N	Batam	Onshore Facility
Jan-18	CTB120	FPSO76	Caldex	Petrobras	2	2							10	10	625	3	Y	Brazil	FPSO
Jan-18	CTB118	BuckSkin	TFMC	LLOG						56			6	8	625	3	Y	Brazil	Subsea
Dec-17	CT494	Wellhead Skids Project	Gulf Steel Work	Saudi Aramco				148					6	6	625	3	N	Batam	Onshore Facility



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Cladding Materials

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Dec-17	CT495	4 SSS Decks Project	NPCC	Saudi Aramco	370								12	16	625	3	N	Batam	Onshore Facility
Dec-17	CT503	Tangguh Phase 2 Development	Saipem	BP		1							24	24	309	3	Y	Batam	Offshore Facility
Dec-17	CT504	BIGP Project	PT Timas Suplindo	Premier Oil						10			10	10	N/A	N/A	N	Batam	Offshore Facility
Dec-17	CTB119	BlueBox	OneSubsea	OneSubsea		4		2		5			3	8	625	3	Y	Brazil	Subsea
Dec-17	CTB117	Burulus	OneSubsea	Burulus		10		10		20			3	3	625	3	N	Brazil	Subsea
Dec-17	CTB116	Trial support	Supervia	Supervia						3			4	4	N/A	N/A	Y	Brazil	Non O&G
Nov-17	CT488	Unknown	Saudi Aramco	Saudi Aramco				4					4	8	625	3	N	Batam	Onshore Facility
Nov-17	CT489	Blok H Gooseneck Spools	Aker Solutions	Murphy Oil				10		10		10	12	12	625	3	Y	Batam	Subsea
Nov-17	CT493	Idoho BP-QIT CRA Pipeline Replacement Project	Mitsui	Exxon (MPN)	5,168		21,216						24	24	625	4	N	Batam	Subsea Pipeline
Nov-17	CT496	4 SSS Decks Project	NPCC	Saudi Aramco	300								6	16	625	3	N	Batam	Onshore Facility
Nov-17	CT497	Block A Gas Development Project	Galperti	Medco		3							12	12	309	3	Y	Batam	Onshore Facility
Nov-17	CT499	New Valves Supply	Trace Trading	ADCO					4				6	6	625	3	N	Batam	Onshore Facility
Nov-17	CT502	Unknown	KSH	Brunei Shell		2							2	2	625	3	Y	Batam	Offshore Facility
Oct-17	CT481	Free Flow Project	Saudi Aramco	Saudi Aramco	14,181								8	24	625	3	N	Batam	Onshore Pipeline
Oct-17	CT482	HRDH Kuff RH SK9 Project	Saudi Aramco	Saudi Aramco				1					16	16	625	3	N	Batam	Onshore Facility
Oct-17	CT483	Angore EHL 101 Project	Wood Group PSN	Exxon Mobil				31					12	16	N/A	N/A	Y	Batam	Onshore Facility
Oct-17	CT486	Unknown	Saudi Aramco	Saudi Aramco				1					12	12	625	3	N	Batam	Onshore Facility
Oct-17	CT487	Gas Gathering Manifolds and Flowlines K9 Project	Saudi Aramco	Saudi Aramco				47					16	20	625	3	N	Batam	Onshore Facility
Oct-17	CT491	Kursaniyah Gas Increment Project	Al Hajri	Saudi Aramco	2								12	12	625	3	N	Batam	Onshore Facility
Oct-17	CT492	Qualification	Technip	Technip			60						10	10	625	3	N	Batam	Testing
Oct-17	CTB110	Libra MLP Development	Petrobras	Petrobras			24						10	10	625	3	N	Brazil	Subsea
Oct-17	CTB109	Trading company	Vimetal	Vimetal						2			10	10	N/A	N/A	Y	Brazil	Non O&G



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Sep-17	CT474	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco				923					2	36	625	3	N	Batam	Offshore Facility
Sep-17	CT480	4 SSS Decks Project	NPCC	Saudi Aramco						68			12	16	625	3	N	Batam	Offshore Facility
Sep-17	CTB113	Trading company	Vimetal	Vimetal						4			10	10	N/A	N/A	Y	Brazil	Non O&G
Sep-17	CTB108	Facility upgrade (Coffee Factory)	Cocam	Cocam						25			6	6	N/A	N/A	Y	Brazil	Non O&G
Sep-17	CTB107	Facility upgrade	Grupo Idugel	Grupo Idugel						4			7.5	7.5	N/A	N/A	Y	Brazil	Non O&G
Aug-17	CT467	NFA Development	Wilson / COOEC	Qatar Petroleum		18							16	20	625	3	N	Batam	Offshore Facility
Aug-17	CT469	19 Jackets Project	Saudi Aramco	Saudi Aramco						2			6	6	625	3	N	Batam	Offshore Facility
Aug-17	CT470	19 Jackets Project	Saudi Aramco	Saudi Aramco						2			6	6	625	3	N	Batam	Offshore Facility
Aug-17	CT472	Berri Project	Dynamic	Saudi Aramco						26			12	16	N/A	N/A	N	Batam	Offshore Facility
Aug-17	CT473	Mad Dog Xmas Trees	Schlumberger / OSS	BP				7					3	3	625	3	N	Batam	Subsea
Aug-17	CT475	Madura BD Field Development	PT Mediterania	Husky / CNOOC		8							6	6	625	3	N	Batam	Offshore Facility
Aug-17	CT476	Maintain Potential Project	Saudi Aramco	Saudi Aramco				138					6	6	625	3	N	Batam	Onshore Facility
Aug-17	CT477	Angore Surface Facilities & Pipelines Project	Wood Group PSN	Exxon Mobil								8	N/A	N/A	N/A	N/A	N	Batam	Onshore Facility
Aug-17	CT478	Qualification	Petrobras	Petrobras			36						10	10	625	3	N	Batam	Testing
Aug-17	CTB114	Mad Dog Ph2	OneSubsea	BP						12			3	3	N/A	N/A	N	Brazil	Subsea
Aug-17	CTB106	M/D Pup Piece	OneSubsea	OneSubsea								5	8	8	N/A	N/A	N	Brazil	Subsea
Aug-17	CTB103	Terminal Construction	Vopak	Vopak						34			10	10	N/A	N/A	Y	Brazil	Non O&G
Jul-17	CT465	8025 Wellhead skids project	Gulf Steel Work	Saudi Aramco				164					6	6	625	3	N	Batam	Onshore Facility
Jul-17	CT466	Block A Gas Development Project	Mitsui	Medco	52	99	7						4	12	316L/825	3	N	Batam	Onshore Facility
Jul-17	CTB102	Facility upgrade (Coffee Factory)	Cocam	Cocam						4			6	6	N/A	N/A	Y	Brazil	Non O&G
Jul-17	CTB100	Liza Project	TFMC	Exxon Mobil	178					76			7.6	12	625	3	Y	Brazil	Subsea
Jun-17	CT459	Phon Lan Dai Project	PVDT Tech / Kim Heng Suat	Rosneft	517	10				51			8	16	625	3	Y	Batam	Subsea
Jun-17	CT464	Alloy Plates	China Rocket	China Rocket								1	N/A	NA	625	NA	N	Batam	Non O&G



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Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Jun-17	CTB099	Fuel Distribution	Base São Francisco	Base São Francisco						17			12	12	N/A	N/A	Y	Brazil	Non O&G
Jun-17	CTB098	Trading company	Gesso Trevo	Gesso trevo						3			8	8	N/A	N/A	Y	Brazil	Non O&G
May-17	CT440	Anjung Gas Development Project	Petronas	Petronas	48		9,137						18	18	825	3	N	Batam	Subsea Pipeline
May-17	CT443	Angore Surface Facilities & Pipelines Project	Wood Group PSN	Exxon Mobil				6					2	30	316L	3	N	Batam	Onshore Facility
May-17	CT444	Angore Surface Facilities & Pipelines Project	Wood Group PSN	Exxon Mobil								1	N/A	NA	NA	NA	NA	Batam	Onshore Facility
May-17	CT454	Safaniya 4	Larson & Tubro	Saudi Aramco	720	474							2	20	625	3	N	Batam	Offshore Facility
May-17	CT455	Safaniya 4	Larson & Tubro	Saudi Aramco						21			16	20	625	3	N	Batam	Offshore Facility
May-17	CT456	NFA Development	Wilson / COOEC	Qatar Petroleum	594								6	20	625	3	N	Batam	Offshore Facility
May-17	CT460	Onshore Facilities	SES	SES	22	4							4	4	625	3	N	Batam	Onshore Facility
May-17	CT461	Marzan 10	Saipem	Saudi Aramco						23			8	16	625	3	N	Batam	Offshore Facility
May-17	CT463	Safaniya 4	Larson & Tubro	Saudi Aramco	3	12							2	8	625	3	N	Batam	Offshore Facility
May-17	CTB097	Facility upgrade	Grupo Idugel	Grupo Idugel						12			7.5	7.5	N/A	N/A	Y	Brazil	Non O&G
May-17	CTB096	Terminal Construction	Cattalini	Cattalini						17			12	12	N/A	N/A	Y	Brazil	Non O&G
May-17	CTB095	M/D Pup Piece	OneSubsea	OneSubsea						11		5	6	6	N/A	N/A	N	Brazil	Subsea
Apr-17	CT435	SFNY10 Jackets and 9 Decks Project	Saipem	Saudi Aramco	228								12	12	625	3	Y	Batam	Offshore Facility
Apr-17	CT436	Facilities CPRO Eight (8) BERRI Standardized SSS Jackets	NPCC	Saudi Aramco	29								12	16	625	3	Y	Batam	Offshore Facility
Apr-17	CT437	SFNY10 Subsea Swivel Flanges	Saipem	Saudi Aramco		23							10	12	625	3	N	Batam	Subsea
Apr-17	CT438	SFNY 10 Jackets & 9 Decks Project	Saipem	Saudi Aramco						8			16	16	625	3	N	Batam	Offshore Facility
Apr-17	CT439	CRPO for 4 SSS Decks, Subsea Pipelines & Cables	EMAS Chiyoda	Saudi Aramco	600								12	12	625	3	N	Batam	Subsea Pipeline
Apr-17	CT441	Angore Surface Facilities & Pipelines Project	Wood Group PSN	Exxon Mobil								1	N/A	N/A	N/A	N/A	N	Batam	Onshore Facility
Apr-17	CT442	Greater Enfield Project	Mitsui	Woodside	92								10	16	625	3	Y	Batam	Offshore Facility



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Apr-17	CT446	Block A Gas Development Project	Mitsui	Medco	1,005		648					229	4	16	316L / 825	3	N	Batam	Onshore Pipeline
Apr-17	CT447	MRJN Development	Saipem	Saudi Aramco		24							6	16	625	3	N	Batam	Offshore Facility
Apr-17	CT448	CRPO for 4 SSS Decks, Subsea Pipelines & Cables	EMAS Chiyoda	Saudi Aramco	12					14			12	20	625	3	N	Batam	Offshore Facility
Apr-17	CT449	Tangguh ORF Modification Project	Transalindo Eka Persada	BP Berau	30	10							24	24	625	5	Y	Batam	Onshore Facility
Apr-17	CT450	Block A Gas Development Project	Mitsui	Medco	430								4	16	316L / 825	3	N	Batam	Onshore Facility
Apr-17	CT451	Block A Gas Development Project	Mitsui	Medco						78			8	12	825	3	N	Batam	Onshore Facility
Apr-17	CT452	Offshore Project	JJ Advance	PTTEP		3							8	10	625	3	N	Batam	Offshore Facility
Apr-17	CT453	New Valves Supply	Trace Trading	ADCO					4				6	6	625	3	N	Batam	Onshore Facility
Apr-17	CTB094	REGAP	Petrobras	Petrobras						14			2	6	N/A	N/A	N	Brazil	Refinery
Apr-17	CTB093	Trading company	Valmec	Valmec						5			16	16	N/A	N/A	Y	Brazil	Non O&G
Apr-17	CTB092	Facility upgrade	Niplan	Niplan						5			6	6	N/A	N/A	Y	Brazil	Non O&G
Mar-17	CT428	Tinat Gas Gathering Manifold Project	Saudi Aramco	Saudi Aramco				8					1	20	625	3	N	Batam	Onshore Facility
Mar-17	CT429	EPCI of D6463 SFNY 9 Slipover Jackets & Decks , Pipelines, Cables and Single Well Platform (SWOP) at	McDermott	Saudi Aramco	1,002	392							2	16	625	3	Y	Batam	Offshore Facility
Mar-17	CT430	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		190							1	16	625	3	Y	Batam	Offshore Facility
Mar-17	CT432	WAQR & Wudayhi Gas Gathering Manifold	Saudi Aramco	Saudi Aramco				31					6	24	625	3	N	Batam	Offshore Facility
Mar-17	CT433	South Haradh Gas Gathering Manifold	Saudi Aramco	Saudi Aramco				51					12	30	625	3	N	Batam	Onshore Facility
Mar-17	CT434	D6688 9 Jacket Project	McDermott	Saudi Aramco						2			12	12	625	3	Y	Batam	Offshore Facility
Mar-17	CTB091	FPSO P69	Keppel Fels	Petrobras	72	5				6			8	10	625	3	N	Brazil	FPSO
Mar-17	CTB090	Trading company	Brasmontan	Brasmontan						6			8	8	N/A	N/A	Y	Brazil	Non O&G
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
Feb-17	CT418	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		3000							6	24	625	3	Y	Batam	Offshore Facility
Feb-17	CT419	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		1045							1	36	625	3	Y	Batam	Offshore Facility





Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Feb-17	CT420	MRJN / ZULUF 7 SSS Decks	Saipem	Saudi Aramco		667							1	16	625	3	N	Batam	Offshore Facility
Feb-17	CT421	Hasbah Offshore Gas Facilities Increment II for Saudi Aramco	Larson & Tubro	Saudi Aramco	56							116	6	6	625	3	N	Batam	Offshore Facility
Feb-17	CT424	CRPO Eight (8) Berri Standardisation SSS Jackets	NPCC	Saudi Aramco						6			12	16	625	3	Y	Batam	Offshore Facility
Feb-17	CT427	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		1270							1	12	625	3	Y	Batam	Offshore Facility
Feb-17	CTB089	Facility upgrade	Odebrecht	Odebrecht						1			4	4	N/A	N/A	Y	Brazil	Non O&G
Feb-17	CTB087	FPSO P76	Technip Techint Consortia	Petrobras	3								4	4	625	3	Y	Brazil	FPSO
Feb-17	CTB086	FPSO P55	Petrobras	Petrobras				1		2			8	8	N/A	N/A	Y	Brazil	FPSO
Feb-17	CTB085	Helix 1	Harris Pye	Helix / Petrobras						4			4	4	N/A	N/A	N	Brazil	Offshore Facility
Feb-17	CTB082	FPSO P76	Technip Techint Consortia	Petrobras		3							4	8	625	3	Y	Brazil	FPSO
Jan-17	CT408	Kashagan Field Development Experimental Program	North Caspian Operating Company	North Caspian Operating Company						31		12	6	20	825	3	N	Batam	Offshore Facility
Jan-17	CT409	D6980-3 Observation Platforms & 7 Jackets	McDermott	Saudi Aramco	231					13			12	16	625	3	Y	Batam	Offshore Facility
Jan-17	CT410	GWF-2 Development Project	Bredero Shaw	Woodside								1	20	20	625	3	Y	Batam	Testing
Jan-17	CT411	Khuff Gas Project	Saudi Aramco	Saudi Aramco				216					6	16	625	3	N	Batam	Onshore Facility
Jan-17	CT412	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		391							10	24	625	3	N	Batam	Offshore Facility
Jan-17	CT413	Haradh Gas Gathering Manifold	Saudi Aramco	Saudi Aramco				26					6	6	625	3	N	Batam	Onshore Facility
Jan-17	CT414	BV Khurais Area Facilities, Expansion	Saipem	Saudi Aramco				1					36	36	625	3	N	Batam	Onshore Facility
Jan-17	CT415	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco	2,658								6	36	625	3	N	Batam	Offshore Facility
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
Jan-17	CTB088	Global - balance	OneSubsea	Petrobras						11			6	6	625	3	N	Brazil	Subsea
Jan-17	CTB084	Facility upgrade	Niplan	Niplan						6			6	6	N/A	N/A	Y	Brazil	Non O&G
Jan-17	CTB083	Helix 1	Helix	Petrobras						142			4	5	N/A	N/A	N	Brazil	Offshore Facility
Dec-16	CT403	SFNY, ZULF, MRJN and Berri Field Developments	McDermott	Saudi Aramco	12	84							6	12	625	3	Y	Batam	Offshore Facility
Dec-16	CT404	Berri Project	McDermott	Saudi Aramco	285	681							2	20	625	3	Y	Batam	Offshore Facility



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Dec-16	CT405	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco		17							6	36	625	3	N	Batam	Offshore Facility
Dec-16	CTB081	Global HD - Gooseneck	OneSubsea	Petrobras						14			6	6	625	3	N	Brazil	Subsea
Dec-16	CTB080	Global HD	OneSubsea	Petrobras						112			3	7.5	625	3	Y	Brazil	Subsea
Dec-16	CTB079	Facility upgrade (Coffee Factory)	Companhia Cacique	Companhia Cacique						4			4	4	N/A	N/A	Y	Brazil	Non O&G
Nov-16	CT398	KRSN Gas Increment Project	Saudi Aramco	Saudi Aramco		27							2	6	625	3	N	Batam	Onshore Facility
Nov-16	CT399	Bundled 2 Project	Metalline / Thai Nippon Steel	PTTEP		28							2	8	316L	3	N	Batam	Offshore Facility
Nov-16	CTB078	CBV II	FMC Technologies	Chevron						3			6	6	625	3	N	Brazil	Subsea
Nov-16	CTB077	Oil Transfer Pipeline	Granel Química	Granel						100			8	8	N/A	N/A	Y	Brazil	Non O&G
Nov-16	CTB076	Facility upgrade	Remac	Remac						23			4	4	N/A	N/A	N	Brazil	Non O&G
Oct-16	CT377	Block A Gas Development Project	Mitsui	Medco			7,235						12	12	316L	3	N	Batam	Onshore Pipeline
Oct-16	CT386	P75 and P77 Project	BJC Heavy Industries	Petrobras						12			8	8	N/A	N/A	Y	Batam	FPSO
Oct-16	CT388	PNG LNG Slugcatcher Modifications	Wood Group PSN	Exxon Mobil	42	81							24	30	316L	3	N	Batam	Pressure Vessels
Oct-16	CT389	Testing Program	Technip	Technip			96						16	16	316L	3	N	Batam	Testing
Oct-16	CT391	GGM Enhancement Project	Saudi Aramco	Saudi Aramco				16					6	8	625	3	N	Batam	Onshore Facility
Oct-16	CT392	Kaombo FPSO	Kuka Valves	Total					23				12	16	625	3	N	Batam	FPSO
Oct-16	CT393	GGM Gas Upstream Maintain Potential Project	Saudi Aramco	Saudi Aramco		43							12	20	625	3	N	Batam	Onshore Facility
Oct-16	CT394	HRML Project	Saudi Aramco	Saudi Aramco				25					2	10	625	3	N	Batam	Onshore Facility
Oct-16	CT395	SHDN UNY2 Project	Saudi Aramco	Saudi Aramco				47					4	8	625	3	N	Batam	Onshore Facility
Oct-16	CT396	Maintain Potential Project	Saudi Aramco	Saudi Aramco				17					4	16	625	3	N	Batam	Onshore Facility
Oct-16	CT397	Maintain Potential Project	Saudi Aramco	Saudi Aramco				111					8	16	625	3	N	Batam	Onshore Facility
Oct-16	CTB075	Global	OneSubsea	Petrobras						10			5	5	625	3	N	Brazil	Subsea
Oct-16	CTB074	Repair & Maintenance WCT	Aker Solutions	Petrobras						3			3	5	625	3	N	Brazil	Subsea
Oct-16	CTB073	N/A	Gon Petro	Gon Petro						4			5	5	N/A	N/A	Y	Brazil	Non O&G



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Oct-16	CTB072	Upgrade facility	Grupo Idugel	Grupo Idugel						18			7	7	N/A	N/A	Y	Brazil	Non O&G
Oct-16	CTB071	Facility upgrade (Coffee Factory)	Companhia Cacique	Companhia Cacique						14			6	6	N/A	N/A	Y	Brazil	Non O&G
Oct-16	CTB068	FPSO P67 / P70	COOEC	Petrobras	361	64							8	8	625	3	N	Brazil	FPSO
Sep-16	CT373		Stain Alloy	Samsung		2							8	8	Stellite	3	Y	Batam	Onshore Facility
Sep-16	CT378	Site CRA Quality Services	QGI	Petrobras								1	N/A	N/A	N/A	N/A	N/A	Batam	FPSO
Sep-16	CT385	KRSN Gas Increment Project	Saudi Aramco	Saudi Aramco				91					6	16	625	3	N	Batam	Onshore Facility
Sep-16	CT382	Onshore Facilities	Saudi Aramco	Saudi Aramco		104							6	12	625	3	N	Batam	Onshore Facility
Sep-16	CT383	Hasbah Offshore Gas Facilities Increment II	Larson & Tubro	Saudi Aramco						111			6	36	625	3	N	Batam	Offshore Facility
Sep-16	CT374	Tanggung ORF Modification Project	BP Berau	BP Berau		16							8	18	316L	3	N	Batam	Onshore Facility
Sep-16	CT372	TUPI BV Project	BJC Heavy Industries	Petrobras	89	138							6	14	625	3	Y	Batam	FPSO
Sep-16	CT368	Vasishta Project	Rae Energy	ONGC								1	12	12	N/A	N/A	N/A	Batam	Testing
Sep-16	CTB069	Azar Field Development Project	Kladex	NIOC	42								8	8	625	3	N	Brazil	Offshore Facility
Aug-16	CT375	ANDR Remote Header	Saudi Aramco	Saudi Aramco	223	384		75					4	16	625	3	N	Batam	Onshore Facility
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
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
Jul-16	CT367	Belanak FPSO Sea Tube	PT. Sarku Utama	Conoco Phillips				1					36	36	625	3	N	Batam	FPSO
Jul-16	CT369	SFNY, ZULF, MRJN and Berri Field Developments	McDermott	Saudi Aramco		3529							2	20	625	3	Y	Batam	Offshore Facility
Jul-16	CTB067	Azar Field Development Project	Kladex	NIOC	42								8	8	625	3	N	Brazil	Offshore Facility
Jul-16	CTB062	Global	OneSubsea	Petrobras						24			2.5	2.5	N/A	N/A	N	Brazil	Subsea
Jun-16	CT366	NAUG-System-A	JGC Gulf International Co. Ltd.	Saudi Aramco	209	150		10					6	6	625	3	N	Batam	Onshore Facility
Jun-16	CT384	Jazan IGCC Project	Hidada	Hidada		3							12	12	625	3	Y	Batam	Pressure Vessels
Jun-16	CT365	Gas Modular Skid Project	Gulf Steel Work	Saudi Aramco	106	1,023		99					6	6	625	3	N	Batam	Onshore Facility
Jun-16	CT362	OGDI-OGD III Spare Valves for Gas Mechanical Off Plot	Trace Trading	ADCO					1				16	16	625	3	N	Batam	Onshore Facility



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)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type	
Jun-16	CT363	Aegean Refinery Project	TSGI	Star Rafineri A.S (STAR)				6					8	8	Stellite	6.5	Y	Batam	Refinery	
Jun-16	CT364	Sharf-2 Gambat South Flowline	Pakistan Petroleum	Pakistan Petroleum								1	-	-	Duplex	3	N	N/A	Onshore Pipeline	
May-16	CT342	Karan K45 / 51 Field Development	Saipem	Saudi Aramco	114								10	10	625	3	Y	Batam	Offshore Facility	
May-16	CT347	Gas Modular Skid Project	Maritime Industrial Service	Saudi Aramco	36	350		30					2 1/6	6	625	3	N	Batam	Onshore Facility	
May-16	CT361	Yetagun Field Development Project	Petronas Carigali Myanmar	Petronas							1		-	-	625	3	N	Batam	Pressure Vessels	
May-16	CTB060	Azar Field Development Project	Kladex	NIOC						34			8	8	625	3	N	Brazil	Offshore Facility	
Apr-16	CT357	Anjung Gas Development Project	Petronas	Petronas			24						18	18	825	3	N	Batam	Testing	
Apr-16	CT355	Tangguh ORF Modification Project	JGC Consortium	Pertamina								1	-	-	316L	N/A	N/A	N/A	Onshore Facility	
Apr-16	CT358		Bemco Steel	Saudi Aramco		100							2	6	625	3	N	Batam	Onshore Facility	
Apr-16	CT354		Alam Bersemi Sentosa	Pertamina	13	52							2	24	308L	3	N	Batam	Onshore Facility	
Apr-16	CT353		Dubai Petroleum	Dubai Petroleum	7	10							18	18	316L	3	N	Batam	Offshore Facility	
Apr-16	CTB053	Marlim Leste	OneSubsea	Petrobras						12			5	6	625	3	Y	Brazil	Subsea	
Mar-16	CT343	Gas Modular Skid Project	Oilfield Supply Centre	Saudi Aramco	100	1,085		93					2 1/6	6	625	3	N	Batam	Onshore Facility	
Mar-16	CT348	Sharf-2 Gambat South Flowline	Pakistan Petroleum	Pakistan Petroleum			3,970						2	10	Duplex	3	N	Batam	Onshore Pipeline	
Mar-16	CT356		Habu Technology	Saudi Aramco				1					6	6	625	3	N	Batam	Onshore Facility	
Mar-16	CT352	SNP/STAR LTA ARBI 20/23 Gas Well Head Project	Saipem	Saudi Aramco	35					5			12	14	625	4	Y	Batam	Offshore Facility	
Mar-16	CT345	OGDI-OGD III Spare Valves for Gas Mechanical Off Plot	Trace Trading	ADCO					8				8	18	625	N/A	N	Batam	Onshore Facility	
Mar-16	CT350	Gas Modular Skid Project	Petronash	Saudi Aramco	100	1,116		93					2 1/6	6	625	3	N	Batam	Onshore Facility	
Feb-16	CT344	FPSO P75 and P77 Project	BJC Heavy Industries	Petrobras		2				48			8	10	625	3	Y	Batam	FPSO	
Feb-16	CT349	PRP4 Project	Swiber	ONGC				12					1	18	625	3	N	Batam	Offshore Facility	
Jan-16	CT340	Booster Compressor for Bundled Phase 2 Wellhead Platform	Exterran Offshore	PTTEP		303							1/2	6	316L	3	Y	Batam	Onshore Facility	
Jan-16	CT339	Overlaying and assembly of Underwater Fairlead	EMS - Energy Solutions	COBIA Offshore								1	-	-	625	6	N	Batam	FPSO	
Jan-16	CT324	Tangguh ORF Modification Project	BP Berau	BP Berau				529					1	4	26	625	3	3	Batam	Pressure Vessels



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Jan-16	CTB047	Repair & Maintenance WCT	Aker Solutions	Petrobras						1			6		625	3	Y	Brazil	Subsea
Dec-15	CT323	Tangguh ORF Modification Project	BP Berau	BP Berau	690	468							4	24	316L	3	N	Batam	Onshore Facility
Dec-15	CT337		Schlumberger	Oilfields		8							6	6	625	3	N	Batam	Subsea
Dec-15	CT338	Rabab Harwell Intergrated Project	Nirmal Industires	PDO (Shell Oman)		20							8	24	625	4.5	Y	Batam	Onshore Facility
Dec-15	CT333	Baronia Field Compression Project	HS Compression & Process	Petronas Carigali	3	35							2	6	316L	5	N	Batam	Pressure Vessels
Dec-15	CT332	TUPI BV Project	BJC Heavy Industries	Petrobras				83					6	14	625	3	Y	Batam	FPSO
Nov-15	CT336	Catcher FPSO	IHI Corporation	Premier Oil	32	41		11					2	18	625	3	N	Batam	FPSO
Oct-15	CT328	UZ750 Island Surface Facilities (EPC2) Project	DSME	Zakum Development Company (ZADCO)		90							6	32	825	3	Y	Batam	Offshore Facility
Oct-15	CT331	Umm Lulu Full Field Development Project	NPCC	ADMA OPCO	164	78							6	16	625	3	Y	Batam	Offshore Facility
Sep-15	CT329	NASR Full Field Development Project	NPCC	ADMA OPCO	4,188	1841							6	18	625	3	Y	Batam	Subsea
Sep-15	CT327	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina	222	92	360						2	12	825	3	Y	Batam	Onshore Facility
Sep-15	CTB031	FPSO - P69	Keppel Fels	Petrobras						3			10		825	3	N	Brazil	FPSO
Aug-15	CT325	MLP Trails	Heerema	Heerema			72						12	12	625	2.7	N	Batam	Testing
Aug-15	CT320	Kochi Integrated Refinery Project	Bharat Pteroleum	Bharat Petroleum								6	18	20	347	5	N	Batam	Refinery
Aug-15	CT321	PRP4 Project	Swiber	ONGC	51	43							16	18	825	3	N	Batam	Offshore Facility
Aug-15	CTB044	Repair & Maintenance WCT	FMCTI	Petrobras	3					1			6		625	3	Y	Brazil	Subsea
Jul-15	CT318	Catcher FPSO	IHI Corporation	Premier Oil				11					12	20	625	3	N	Batam	FPSO
Jul-15	CT317	TUPI BV Project	BJC Heavy Industries	Petrobras	179	264							6	14	625	3	Y	Batam	FPSO
Jul-15	CT316	Jangkrik Complex Project	Technip	Eni				44					8	14	625	4.2	Y	Batam	Subsea
Jun-15	CT312	Schlumberger Geopysics Nusantara	Schlumberger	Schlumberger		35							6	6	825	3	N	Batam	Subsea
Jun-15	CT313		Mun Siong Engineering	Technip		2							3	3	316L	4	N	Batam	Subsea
Jun-15	CTB042	Atlanta Project	FMC Technologies	Queiroz Galvão						18			6		625	3	Y	Brazil	Subsea



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
May-15	CT308	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	134					18			12	12	625	2.5	Y	Batam	Subsea Pipeline
May-15	CT310	Liwan Deepwater Project	Saipem	HCML Husky CNOOC						3			22	22	625	3	Y	Batam	Subsea Pipeline
May-15	CT311	Gorgon Field Development	PFP	Chevron		66							2 1/16	5 1/8	625	3	Y	Batam	Subsea
May-15	CT307	Integrated Refinery Expansion Project	Engineers India Limited	Bharat Petroleum	32	61		24					8	30	625	3	N	Batam	Refinery
Apr-15	CT302	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	113		4,300						12	12	316L	2	N	Batam	Subsea Pipeline
Apr-15	CT304	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina		12							4	12	625	3	Y	Batam	Subsea
Apr-15	CTB057	Upgrade facility	Niplan	Vopak						18			8		N/A	N/A	Y	Brazil	Non O&G
Apr-15	CTB054	N/A	Tekinox	Tekinox						3			6		N/A	N/A	Y	Brazil	Non O&G
Mar-15	CT303	Reservoir Testing	Schlumberger	Schlumberger		6							4	4	625	3	N	Batam	Subsea
Mar-15	CT305	Liwan Deepwater Project	HCML Husky CNOOC	HCML Husky CNOOC	9								12	12	625 & 316L	2.5	N	Batam	Subsea Pipeline
Mar-15	CT301	OSII Phase 2 Development Project	NPCC	ADMA OPCO	8	14							6	12	825	3	N	Batam	Offshore Facility
Mar-15	CTB052	Industrial Repair	Mayer Werke	Mayer Werke						1			10		N/A	N/A	Y	Brazil	Non O&G
Mar-15	CTB051	Industrial Repair	Momentum	Momentum						6			8		N/A	N/A	Y	Brazil	Non O&G
Mar-15	CTB037	WAG Manifold	GE Oil & Gas	Petrobras	556	370				166			3		625	3	N	Brazil	Subsea
Mar-15	CTB030	MUX Project	OneSubsea	Petrobras						126			3		625	3	N	Brazil	Subsea
Feb-15	CT293	Jangkrik Complex Project	Technip	Eni						44			8	14	625	3	N	Batam	Subsea
Jan-15	CT298	Cessao Onerosa Area 76 Development	TK Corporation	Petrobras		99							4"	16"	625	3	Y	Batam	Offshore Facility
Jan-15	CTB049	Replicant FPSO Project	Tome-Ferrostaal	Petrobras	271.8	116				3			3	12	625	3	Y	Brazil	FPSO
Jan-15	CTB036	FPSO P75 / FPSO P77	EBSE (MODEC)	Petrobras		18							2	14	316L	3	Y	Brazil	FPSO
Jan-15	CTB035	FPSO P76	EBSE (MODEC)	Petrobras		2							3		316L	3	Y	Brazil	FPSO
Jan-15	CTB041	2011 ANM FA	Aker Solutions	Petrobras						70			5	8	625	3	N	Brazil	Subsea
Dec-14	CT300	TEN URF Project	Officine Nicola Galperti	Tullow		107							5	6	625	3	Y	Batam	Subsea
Dec-14	CT295	Matindok Gas Development Project (MGDP)	Mitra Galperti Indonesia	Pertamina	978	540							6	12	825	3	Y	Batam	Onshore Pipeline



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Dec-14	CT274	Bangka Subsea Project	Mitsui / Technip	Chevron	350								4	10	625	4	N	Batam	Subsea
Nov-14	CT284	Trial Pipe (Ichthys Project)	Heerema	Inpex								1	14	14	Duplex	3	-	Batam	Testing
Nov-14	CT291	Bekapai 2B - EPSC 1	Meindo Elang Indah	Total		3							2	6	625	3	Y	Batam	Onshore Facility
Nov-14	CT290		Schlumberger	Schlumberger		28							6	6	625	4	Y	Batam	Subsea
Nov-14	CTB032	WAG Manifold	Aker Solutions	Petrobras						20			8	10	625	3	N	Brazil	Subsea
Nov-14	CTB030	MUX Project	OneSubsea	Petrobras						14			3		625	3	N	Brazil	Subsea
Nov-14	CTB036	FPSO P77	EBSE (MODEC)	Petrobras		24							2	6	316L	3	Y	Brazil	FPSO
Nov-14	CTB034	FPSO P75	EBSE (MODEC)	Petrobras		24							2	6	316L	3	Y	Brazil	FPSO
Nov-14	CTB033	FPSO - P74	IESA	Petrobras		249							2	24	316L	3	Y	Brazil	FPSO
Nov-14	CTB031	FPSO - P69	Keppel Fels	Petrobras	894	125				143			4	20	625	3	N	Brazil	FPSO
Nov-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		15							8		625	3	N	Brazil	FPSO
Oct-14	CT288	Cessao Onerosa Area 74 Development	TK Corporation	Petrobras		10							12	14	625	3	Y	Batam	Offshore Facility
Oct-14	CT287		Yeow Hwa Engineering	Yeow Hwa Engineering	2								18	18	625	3.8	Y	Batam	Onshore Facility
Oct-14	CT286	Madura BD Field Development	HCML Husky CNOOC	HCML Husky CNOOC	22	147							6	10	825	3	N	Batam	Onshore Facility
Oct-14	CTB035	FPSO P76	EBSE (MODEC)	Petrobras		18							2	6	316L	3	Y	Brazil	FPSO
Sep-14	CT285	Chevron 2013 add Workspace	CUEL	Chevron	27								10	16	625	3	Y	Batam	Offshore Facility
Sep-14	CT282	Renewal of 3rd Stage Discharge Piping	OGASCO	OGASCO	18	154							4	14	825	3	N	Batam	Onshore Facility
Sep-14	CT272		Sucoin	Sucoin	96								8	12	317L	3.2	Y	Batam	Offshore Facility
Sep-14	CT279	Star Trec Project	Chiyoda Corporation	Shell								10	11.5	12	825	6	Y	Batam	Refinery
Sep-14	CT281	Phase 47 Project	CUEL	Chevron	87								6	12	625	3	Y	Batam	Offshore Facility
Aug-14	CT243	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco		17							36	36	625	3	Y	Batam	Offshore Facility
Aug-14	CT280	Donggi Gas Matindok Project	Mitra Galperti Indonesia	Pertamina		26							4	6	625	3	Y	Batam	Onshore Facility
Aug-14	CT277	P75 and P77 Project	BJC Heavy Industries	Petrobras	6,100	3,648		1668					6	24	625	3	Y	Batam	FPSO



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)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Jul-14	CT276	TEN URF Project	Officine Nicola Galperti	Tullow		125							8	10	625	3	Y	Batam	Subsea
Jul-14	CTB030	MUX Project	OneSubsea	Petrobras						70			7.5		625	3	N	Brazil	Subsea
Jun-14	CT275		Schlumberger	Schlumberger		12							4	4	625	3	Y	Batam	Subsea
May-14	CT270	TEN URF Project	Technip	Tullow	450								8	10	625	3	Y	Batam	Subsea
May-14	CT271	Harweel Project	OOISS	PDO (Shell Oman)		26		16					6	24	825	3	Y	Batam	Onshore Facility
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
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
Apr-14	CTB031	FPSO - P69	Keppel Fels	Petrobras	150	32							4	20	625	3	N	Brazil	FPSO
Apr-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		6							8		625	3	N	Brazil	FPSO
Apr-14	CTB021	FPSO - P66	Keppel Fels	Petrobras		39							8	20	625	3	N	Brazil	FPSO
Apr-14	CTB021	FPSO - P66	Keppel Fels	Petrobras				44					8	20	625	3	Y	Brazil	FPSO
Mar-14	CT299	USSC Flexibility Assurance (AGFA) Project	NPCC / Technip	ADMA OPCO	852	688							6	30	625	3	Y	Batam	Onshore Facility
Mar-14	CT268	Umm Lulu Full Field Development Project	NPCC	ADMA OPCO		1,082							6	16	625	3	Y	Batam	Subsea
Mar-14	CT264	Gorgon Field Development	GE Oil & Gas	Chevron	6							1	30	34	625	3	Y	Batam	Subsea
Mar-14	CT266	TUPI BV Project	Wilh Schulz GmbH	Petrobras	36								8	8	625	3	Y	Batam	FPSO
Mar-14	CT267	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	12	97							2	10	625	3	Y	Batam	Offshore Facility
Mar-14	CTB029	FPSO - P67	Integra Offshore	Petrobras				77					4	20	625	3	N	Brazil	FPSO
Mar-14	CTB021	FPSO - P66	Keppel Fels	Petrobras	114	31				11			4	20	625	3	N	Brazil	FPSO
Feb-14	CT265	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	12								12	12	625	2.5	N	Batam	Subsea Pipeline
Feb-14	CT261	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	6								36	36	625	3	Y	Batam	Offshore Facility
Feb-14	CT248	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Simas	Saudi Aramco	27								36	36	625	3	Y	Batam	Offshore Facility
Jan-14	CT259	UZ750 Island Surface Facilities (EPC2) Project	Petrofac	Zakum Development Company (ZADCO)		1,070							6	32	825	3	Y	Batam	Offshore Facility
Jan-14	CTB025	Replicantes FPSO Project	EBSE (MODEC)	Petrobras		333							2	24	316L	3	Y	Brazil	FPSO





Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Dec-13	CT257	Gorgon Field Development	PFP	Chevron	10								6	6	625	3	N	Batam	Offshore Facility
Dec-13	CTB026	FPSO - P66	DELP	Petrobras		24							3	24	316L	3	Y	Brazil	FPSO
Oct-13	CT255	Harweel Transition Project	OOISS	PDO (Shell Oman)	120	75							6	24	825	3	Y	Batam	Onshore Facility
Oct-13	CT254		EXPRO	Coastal Energy				4					6	8	625	3	Y	Batam	Offshore Facility
Sep-13	CT219	Senoro Project	Samsung Engineering	Pertamina	994	56	16,445			120			6	16	625	3	Y	Batam	Onshore Pipeline
Aug-13	CT247	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	146								36	36	625	3	Y	Batam	Offshore Facility
Jul-13	CT241	KHUUFF Gas Project	Saudi Aramco	Saudi Aramco	4,085	3,772		939					1	24	625	3	N	Batam	Onshore Facility
Jul-13	CTB022	Cidade de Itaguaí FPSO	EBSE (MODEC)	Petrobras		59							2	24	316L	3	Y	Brazil	FPSO
Jun-13	CTB008	Replicant FPSOs - process modules	Tome-Ferrosstaal	Petrobras	8208	4740				539			2	24	625	3	Y	Brazil	FPSO
May-13	CT240	Harweel Transition Project	OOISS	Petroleum Development Oman		489							6	16	625	3	Y	Batam	Onshore Facility
May-13	CT239	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	McDermott	Saudi Aramco	268	8							12	16	625	3	Y	Batam	Offshore Facility
May-13	CT237	Total Project	Schulz Indonesia	Total		3							3/4	3/4	625	3	Y	Batam	Offshore Facility
May-13	CT238	TUPI BV Project	Lindel	Petrobras	990	57							8	20	625	3	N	Batam	FPSO
May-13	CT233	Karan K45 / 51 Field Development	McDermott	Saudi Aramco	3,250								20	20	625	3.6	Y	Batam	Offshore Facility
Apr-13	CT230		Mitra Piping Utama	Galperti		2							2	2	625	3	Y	Batam	Onshore Facility
Apr-13	CT218	Safiniya Phase 2 Project	McDermott	Saudi Aramco	5,156								10.75	30	625	3	Y	Batam	Subsea Pipeline
Apr-13	CT217		Profab		19	6							16	16	316L	3	Y	Batam	Pressure Vessels
Apr-13	CTB020	RNEST	Schulz	Petrobras		16							16		317L	3	Y	Brazil	Refinery
Mar-13	CT228	Karan K45 / 51 Field Development	McDermott	Saudi Aramco	176								20	20	625	3	Y	Batam	Offshore Facility
Mar-13	CT225	Ruby Field Development	Profab	Pertamina	6	4							8	8	625	3	Y'	Batam	Offshore Facility
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
Mar-13	CTB021	FPSO - P66	Keppel Fels	Petrobras	990	66				129			8	20	625	3	N	Brazil	FPSO
Feb-13	CT220		Heat Exchanger Indonesia	Heat Exchanger Indonesia		4						4	2	3	316L	3	Y	Batam	Pressure Vessels



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Jan-13	CT215	Coal - Oil Refining Trial Project Hydrocracking Section	Hongkong SKT	Yan Chang Petroleum				19					1	14	Stellite	5	Y	Batam	Refinery
Jan-13	CT216	Perla Project	Tenaris	Cardon IV (ENI Repsol JV)			12						6	6	625	3.2	Y	Batam	Subsea
Jan-13	CTB009/014/015/017/018	Global/Baleia Azul/Papa Terra/Cidon	Cameron	Petrobras	1061										625	3	Y	Brazil	Subsea
Jan-13	CTB010/11/19/23/24	GLL10/Bijupira/MCV	FMCTI	Petrobras	645										625	3	Y	Brazil	Subsea
Jan-13	CTB013	Lula Guara	Subsea 7	Petrobras	150										625	3	Y	Brazil	Subsea
Dec-12	CT180	Nozzle Cladding	Heat Exchanger Indonesia	Heat Exchanger Indonesia		79						78	2	3	316L	3	Y	Batam	Pressure Vessels
Nov-12	CT194		Profab	Profab		17							2	3	316L	3	N	Batam	Pressure Vessels
Nov-12	CT212		Transalindo Eka Persada	Transalindo Eka Persada		14							2	3	316L	3	Y	Batam	Pressure Vessels
Nov-12	CTB007	GNL Bahia - Terminal	Andrade Gutierrez	Petrobras	5								28		Monel (Alloy 400)	5	Y	Brazil	Offshore Facility
Oct-12	CT204	KHUFF Gas Project	Saudi Aramco	Saudi Aramco	612	867		94					2	8	625	3	N	Batam	Onshore
Oct-12	CT195	Ichthys Project	Edgen Murray	INPEX	524								38	40	625	3	Y	Batam	Subsea
Oct-12	CT203	Gorgon Field Development	Allied International	Chevron	106								6	12	625	3	Y	Batam	Subsea
Oct-12	CTB004	Cidade Mangaratiba FPSO	EBSE (MODEC)	Petrobras		151							2	30	625	3	Y	Brazil	FPSO
Aug-12	CT196	Sisi Nubi Phase 2B and Peciko Phase 7B Development Project	Sanggar Baja Sarana	Total								25	2	3	316L	3	Y	Batam	Pressure Vessels
Aug-12	CT188	Mitra Galperti Flanges	Mitra Galperti Indonesia	Pertamina		45							2	6	316L	3	Y	Batam	Onshore Facility
Aug-12	CT189	Ruby Field Development	Mitra Galperti Indonesia	Pertamina			28						2	14	316L	3	Y	Batam	Offshore
Jun-12	CT176	Wheatstone Development	Bredero Shaw	Chevron									12	14	625	3	Y	Batam	Testing
Jun-12	CT178	Gorgon Field Development	Hyundai Heavy Industries	Chevron		80							8	14	625	3	Y	Batam	Onshore Facility
Jun-12	CT175	Panyu Serimax	Serimax	Serimax	6								6	6	625	3	Y	Batam	Subsea
Jun-12	CT179	Shah Gas Project	Samsung Engineering	ADMA OPCO				249					8	16	825	3	Y	Batam	Onshore Facility
Jun-12	CT173	Gorgon Field Development	TK Corporation	Chevron		20							4	6	625	3	Y	Batam	Onshore Facility
May-12	CT171	Shah Gas Project	TR Abu Dhabi	ADMA OPCO		172							2	16	625	3	N	Batam	Onshore Facility
May-12	CT145	Haradh	Saudi Aramco	Saudi Aramco				206					2	16	625	3	N	Batam	Onshore Facility



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)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
May-12	CT187	Damar Gas Project	Prime Sourcing International	Exxon Mobil	115		22,652						16	16	825	2.5	Y	Batam	Subsea Pipeline
Apr-12	CT146	Haradh	Saudi Aramco	Saudi Aramco				104					2	16	625	3	N	Batam	Onshore Facility
Apr-12	CT168	Scot & Bugis EPCM Project	Chiyoda Corporation	Shell				41				4	6	16	825	3	N	Batam	Refinery
Feb-12	CT165	Gorgon Field Development	McDermott	Chevron		32							2 1/16	2 1/16	625	3	Y	Batam	Subsea
Feb-12	CT147	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	1,827	3,974				108			1	36	625	3	N	Batam	Offshore Facility
Feb-12	CT166	Gorgon Field Development	TK Corporation	Chevron		12							6	36	625	3	Y	Batam	Onshore Facility
Jan-12	CT144	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	11,102	445				90			12	36	625	3	N	Batam	Subsea Pipeline
Jan-12	CT159	Eastern Union	Eastern Union Establishment	ADMA OPCO		29							8	10	625	3	N	Batam	Offshore Facility
Dec-11	CT153	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas	84								4	24	625	4.5	N	Batam	Offshore Facility
Dec-11	CT154	Ruby Field Development	PT Meindo	Pertamina				61					2	18	625	3	Y	Batam	Offshore Facility
Dec-11	CT156	Perla Project	Cardon IV (ENI Repsol JV)	Cardon IV (ENI Repsol JV)	142								14	31	316L	3	N	Batam	Subsea Pipeline
Dec-11	CT157	Perla Project	Tenaris	Cardon IV (ENI Repsol JV)			6,854						14	14	316L	3	Y	Batam	Subsea Pipeline
Nov-11	CT149	Gorgon Field Development	McDermott	Chevron		38							4	30	625	3	Y	Batam	Subsea
Nov-11	CT136	UZ750 Island Surface Facilities (EPC2) Project	NPCC	Zakum Development Company (ZADCO)				3					2	42	625	3	Y	Batam	Offshore Facility
Nov-11	CT148	Macedon Project	PFP	BHP Billiton	36								8	20	625	3	Y	Batam	Subsea
Oct-11	CT143	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas		11							24	24	625	3	N	Batam	Offshore Facility
Oct-11	CT132	WASIT - Arabiyah & Hasbah Offshore and Onshore Facilities	Saipem	Saudi Aramco	183								36	36	625	3	N	Batam	Offshore Facility
Oct-11	CT140	Shah Gas Project	TR Abu Dhabi	ADMA OPCO	3,401	1,106							2	36	625	3.5	N	Batam	Onshore Pipeline
Oct-11	CT141	Barzan Offshore Project	Hyundai Heavy Industries	Ras Gas		496							6	24	625	3	N	Batam	Offshore Facility
Sep-11	CT138	Shah Gas Project	Samsung Engineering	ADMA OPCO	7,124	289							6	16	625 & 825	3	Y	Batam	Onshore Pipeline
Sep-11	CT135	Integrated Gas Development	Corrotherm International	ADMA OPCO	48	1							4	10	625	3	Y	Batam	Offshore Facility
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
Aug-11	CT131		J.J Advance	J.J Advance	5	8							2	14	316L	3	Y	Batam	-



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Aug-11	CT134	Shell Bugis Project	Kim Seng Huat	Shell	114	127							4	16	825	3	Y	Batam	Refinery
Jun-11	CT122	Liwan Deepwater Project	Saipem	HCML Husky CNOOC	3,037		16,477			185			8	22	625 & 316L	3	N	Batam	Subsea Pipeline
Jun-11	CT126	Gorgon Field Development	Edgen Murray	Chevron	140								4	10	625	3	N	Batam	Offshore Facility
Jun-11	CT133		Mitra Galperti Indonesia	Pertamina		4							24	24	625	3	Y	Batam	Offshore Facility
Jun-11	CT124	Gorgon Upstream Project	McDermott	GE Oil & Gas	1								34	34	625	3	Y	Batam	Subsea
Jun-11	CT125	Macedon Project	PFP	BHP Billiton	311								8	8	625	3	Y	Batam	Offshore Facility
Jun-11	CT130	YC 13-4 Gas Field Development	Roc Master	Roc Master	59								6	8	316L	3	Y	Batam	Offshore Facility
May-11	CT121	Gorgon Field Development	TK Corporation	Chevron		90							4	6	625	3	N	Batam	Onshore Facility
May-11	CT108	KHUFF Gas Project	Saudi Aramco	Saudi Aramco				347					6	16	625	3	Y	Batam	Onshore Facility
May-11	CT129		Arabian Pipeline	Arabian Pipeline	6	7							8	14	825	3	N	Batam	Onshore Facility
Feb-11	CT115		Heat Exchanger Indonesia	Heat Exchanger Indonesia	18								2	4	316L	3	Y	Batam	Pressure Vessels
Feb-11	CT117	Greater Western Flank	Woodside	Woodside			12						16	16	316L	3	Y	Batam	Testing
Feb-11	CT113		Nippon Steel	Total		300							1	18	316L	3	N	Batam	Offshore Facility
Feb-11	CT119	Gorgon Field Development	GE Oil & Gas	Chevron								26	4	26	625	3.5	Y	Batam	Subsea
Jan-11	CT114	Sisi Nubi Project	Mitra Galperti Indonesia	Pertamina		31							4	24	625	3	Y	Batam	Offshore Facility
Jan-11	CT110	YC 13-4 Gas Field Development	Roc Master	CNOOC	181								8	8	316L	3	N	Batam	Offshore Facility
Dec-10	CT101	Gorgon Field Development	GE Oil & Gas	Chevron	4	10							2	6	625	3	N	Batam	Subsea
Dec-10	CT106		JSL Solutions	JSL Solutions	2								8	8	316L	3	Y	Batam	-
Dec-10	CT102	Package 4 (Coker Unit) For Jubail Export Refinery	Chiyoda Corporation	Saudi Aramco				18					8	8	Stellite	3	Y	Batam	Refinery
Dec-10	CT107	Ball Balve Body - 900#	JCF Fluid Flow	JCF Fluid Flow					15				8	32	625	3	Y	Batam	-
Nov-10	CT100	Gorgon Field Development	GE Oil & Gas	Chevron	4,100	778				53			2	34	625	6.5	N	Batam	Subsea
Nov-10	CT104	Clad Flange	Profab	Profab		10							2	2	316L	3	Y	Batam	Pressure Vessels
Oct-10	CT99	Gorgon Field Development	TK Corporation	Chevron		319							4	36	625	3	N	Batam	Subsea



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)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Oct-10	CT88	Gorgon Field Development	GE Oil & Gas	Chevron				2					5 1/8	5 1/8	309L	3	N	Batam	Subsea
Sep-10	CT90	Gorgon Field Development	GE Oil & Gas	Chevron				2					5 1/8	5 1/8	309L	3	N	Batam	Subsea
Sep-10	CT96	Ruwais 3	Daeshin International	Linde		7							32	32	Stellite	5	N	Batam	Manifold
Sep-10	CT89	Gorgon Field Development	GE Oil & Gas	Chevron				2					2 1/6	2 1/6	309L	3	N	Batam	Subsea
Sep-10	CT91	Gorgon Field Development	GE Oil & Gas	Chevron				1					2 1/6	2 1/6	309L	3	N	Batam	Subsea
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
Aug-10	CT95	Esso KTT	McDermott	Exxon Mobil		2							12	12	625	3	Y	Batam	Offshore Facility
Jul-10	CT92	Gorgon Field Development	Inotech	Chevron	1,457								4	36	625	3	N	Batam	Subsea
Jul-10	CT87		Profab	Profab		2							10	10	309L	3	Y	Batam	Pressure Vessels
Jun-10	CT83	TUPI BV Project	Saipem	Petrobras			29						8	8	625	3	Y	Batam	Testing
Jun-10	CT82	Clean Fuel Project	SK Engineering & Construction	SK Engineering & Construction				2					12	16	625 & 825	3	N	Batam	Refinery
May-10	CT84	Gorgon Field Development	GE Oil & Gas	Chevron				3					5 1/8	5 1/8	625	3	Y	Batam	Subsea
Apr-10	CT77	Gorgon Field Development	GE Oil & Gas	Chevron	1,856	1,080				35		47	2	34	625	6.5	N	Batam	Subsea
Apr-10	CT75	Bend Pipe Test	Yeow Hwa Engineering	Yeow Hwa Engineering	2								8	8	625	3	N	Batam	Testing
Apr-10	CT78	New TDAE Unit	Unimit Engineering	Unimit Engineering	2								2	2	316L	3	N	Batam	Refinery
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
Apr-10	CT71	Cladding of Special Pin and Coupling	Hunting Energy Services	Hunting Energy Services								12	2 7/8	2 7/8	625	3	N	Batam	-
Apr-10	CT79	Kipper Tuna Turrum	Galperti	Exxon Mobil		3							6	6	625	3	N	Batam	Offshore Facility
Mar-10	CT72		Transalindo Eka Persada	Transalindo Eka Persada	6								8	20	316L	3	N	Batam	-
Feb-10	CT70	Lined Pipe for Bend Testing (DNV JIP Phase 3)	Det Norske Veritas As	Det Norske Veritas As			37						12	12	625	3	Y	Batam	Testing
Jan-10	CT68	Wheatstone Development	Chevron	Chevron			12						26	26	316L	3	N	Batam	Testing
Jan-10	CT69		JSL Solutions		22								8	20	316L	3	Y	Batam	Onshore Facility
Dec-09	CT65	Heavy Wall Pipe Trial Project	Tenaris	Tenaris	15		20						12	12	625	3	N	Batam	Testing



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Dec-09	CT66	Reel Lay Bend Test Project	Technip	Technip			41						6	12	625	3	N	Batam	Testing
Nov-09	CT64	Lined Pipe Qualification Project	Tenaris	Petrobras			85						10	10	625	3	N	Batam	Testing
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
Aug-09	CT62	Reshadat Renovation	SADRA	IOOC	244	227							1	14	825	3	N	Batam	Offshore Facility
Jul-09	CT57	Fluke - WYE Piece	Multi Alloy	Multi Alloy		3							6	6	625	3	N	Batam	-
Jul-09	CT56		Usiminas Mecanica	Petrobras	17								6	12	316L	3	N	Batam	Refinery
Jul-09	CT58	Tunu Field Development Phase 13	Kaliraya Sari	Total		19							8	8	316L	3	N	Batam	Offshore Facility
Jul-09	CT59	Petrokemya Polythelyene Plant	Profab	Arabian Petrochemical Co		18							3	20	C276	3	Y	Batam	Refinery
Jul-09	CT60	Process Vessels	Profab	Process Group		48							2	24	316L	3	Y	Batam	Pressure Vessels
Jul-09	CT61	Process Vessels	Profab	VME		5							10	24	316L	3	Y	Batam	Pressure Vessels
Apr-09	CT52	P55 Development	Atlanticosul/Protubo	Petrobras	955	52				78			8	8	625	3.3	Y	Batam	FPSO
Apr-09	CT54	Tunu Field Development Phase 12	Kaliraya Sari	Total		4							3 1/8	3 1/8	625	3	N	Batam	Offshore Facility
Jan-09	CT49	Deep Panuke PFC	DSME	Encana Corporation		79							2	24	316L	3	N	Batam	Offshore Facility
Jan-09	CT50	Sunrise LNG Development Test Pipe	Woodside	Woodside			48						12	12	625	3	N	Batam	Testing
Dec-08	CT48		S.M.O.E	S.M.O.E		21							3/4	2	316L	-	-	Batam	-
Nov-08	CT46		J.J Advance	J.J Advance	5	14							2	20	316L	3	N	Batam	-
Nov-08	CT47		I Supply & Service	I Supply & Service		6							6	10	625	3.5	N	Batam	-
Aug-08	CT44	Jambi Merang Development	Rekayasa Industri	Pertamina			10,251						6	10	316L	3	N	Batam	Onshore Pipeline
Aug-08	CT45	Jambi Merang Development	Mitra Galperti Indonesia	Pertamina		4							8	10	316L	3.5	N	Batam	Onshore Facility
Jul-08	CT41	Gas Jawa Bagian Timur Project	Pertamina	Pertamina			29,100						6	6	825	2	Y	Batam	Onshore Pipeline
Apr-08	CT37	Flange Overlay Weld 625	Mitra Galperti Indonesia	Total		20							4	4	625	3	Y	Batam	Offshore Facility
Mar-08	CT35	BO978 Pig Launcher & Receiver	Heat Exchanger Indonesia	Heat Exchanger Indonesia							2		4	8	625	5	N	Batam	Pressure Vessels
Mar-08	CT38		J.J Advance	J.J Advance		20							2	24	347	3	N	Batam	-



Scope Inclusions and Quantity

Size Range

Cladding Materials

Raw Materials

Order Date	Job Ref	Project	Customer	Ultimate Customer	WOL Pipe (m)	WOL Fittings/Flanges (Ea)	MLP (m)	Spool Fabrication (Ea)	Valves (ea)	Induction Bends (ea)	Pressure Vessels (Ea)	Other	From (inch)	To (inch)	Grade	Minimum Thickness (mm)	Free Issue (Y/N)	Manufacturing Location	Project Type
Feb-08	CT30		Nirmal Industires	Nirmal Industires				6					12	12	625	5	N	Batam	-
Dec-07	CT31	Singa Gas Development	Inti Karya Persada Teknik	MEDCO			2,613						6	6	825	2	N	Batam	Subsea Pipeline
Dec-07	CT29		Mitra Galperti Indonesia	Total		14							2	4	316L	3	Y	Batam	Offshore Facility
Dec-07	CT26	Jambi Merang Development	Rekayasa Industri	Pertamina	3								8	10	316L	3	N	Batam	Onshore Pipeline
Nov-07	CT28		Mitra Galperti Indonesia	Total		28							2	4	316L	3	Y	Batam	Offshore Facility
Nov-07	CT27		Mitra Galperti Indonesia	Total		46							4	4	625	3	N	Batam	Offshore Facility
Sep-07	CT23		J.J Advance	J.J Advance	4	3							6	20	316L	3	N	Batam	-
Aug-07	CT20	Tatun Oily Water Treatment Project	Mitra Galperti Indonesia	Total		20							3	6	316L	3	N	Batam	Offshore Facility
Aug-07	CT22		Phoceene	Phoceene		1							16	16	316L	3	Y	Batam	-
May-07	CT19	Tatun Oily Water Treatment Project	Mitra Galperti Indonesia	Total		99							6	6	625	3	Y	Batam	Offshore Facility
Apr-07	CT18		UMW Coating Technologies	UMW Coating Technologies	2	7							2	6	316L	3.2	Y	Batam	-
Mar-07	CT16	Rectification Works 316L Clad Fittings	Phoceene	Carigali Hess		20							16	16	316L	3	Y	Batam	-
Jan-07	CT14		PFP	PFP	12	8							10	10	625	3	N	Batam	-
Jan-07	CT15		PFP	PFP		12							4	8	316L	3	N	Batam	-
Jan-07	CT17	Hub Overlay Welding	Aker Kvaerner Subsea	Aker Kvaerner Subsea								40	22	28	625	-	Y	Batam	Subsea
Dec-06	CT03	Harweel Project	Petrofac	PDO (Shell Oman)			28,000						14	16	825	3	-	Batam	Onshore Pipeline
Dec-06	CT06	Sisi Nubi Project	Nippon Steel	Pertamina		160									309L	3	N	Batam	Offshore Facility
Dec-06	CT12	Hasdrubal Gas Project	British Gas	British Gas	393		10,808						12	18	825	2.5	-	Batam	Subsea Pipeline
Nov-06	CT13		Igawara Industrial	Igawara Industrial	30								2	12	316L	3.2	-	Batam	-
Jan-05	CT02	Merbau Gas Gathering and Pagardewa Gas Project	Inti Karya Persada Teknik	Pertamina	192		49,808						4	6	825	3	N	Batam	Onshore Pipeline
Jan-04	CT01	Mutineer Exeter Development Project	Clough	Santos			10,836						12.75	12.75	316L	2.5	N	Batam	Subsea Pipeline