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2011 SURVEY OF WORLDWIDE OFFSHORE PIPELINE INSTALLATION & BURIAL CONTRACTORS & VESSELS

BEACH TO ULTRA-DEEPWATER

Offshore MAGAZINE

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Information Accuracy: Every attempt has been made to locate and contact all Offshore Pipeline Installation & Burial Contractors. No contractor was intentionally excluded from the survey. In some cases, a pipelay or burial vessel was not available or data was not provided. We make no guarantee that this list is all inclusive. We have also been careful to summarize the capability and experience of each yard as best as possible, by acting as a neutral party and integrator of information. Please, contact the yard for more detailed information. Opinions, interpretations, personal interviews, phone interviews, and company brochures. Neither *Offshore Magazine* nor Jerry Greenberg guarantee nor assumes any responsibility or liability for any reliance on the information presented in this spreadsheet poster.

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	CONTRACTOR VESSEL	BASE INFORMATION			VESSEL CHARACTERISTICS DIMENSIONS								WELDING LINE STATIONS	METHOD	TENSIONING		INSTALLATION CAPABILITY PIPE TYPE			MULTI LINES		LAY DIA.		INSTALLATION METHODS S-LAY					TOW INST.		BURIAL INFO. DIA.		PIPE HANDLING MAXIMUMS			WATER DEPTHS MAXIMUMS			
PHOTO NUMBER	VESSELS BASE LOCATION 1-North America 2-South America 3-Europe 4-West Africa 5-Middle East 6-Asia 7-Other	LOCATION BASE	BLACK LENGTH FOR REELING PIPE	TYPE	LENGTH	WIDTH	REEL DEPTH	VESSEL DRAFT (TOW/WORKING)	MAX CLAMPED CAPACITY	HELIPORT	STATION KEEPING	TOTAL STATIONS	WELDING STATIONS	MANUAL (CONVENTIONAL)	AUTOMATIC	TENSIONERS	TOTAL TENSIONING CAPACITY	RIGID PIPE	COILED LINE PIPE	FLEXIBLE PIPE	UMBILICAL	PIPE-IN-PIPE	MULTI PIPELINES	NO. OF MULTI PIPELINES	MINIMUM DIAMETER	MAX. DIAMETER	BEACH/TRANSITION ZONE	PULL/FLOTATION	S-LAY (CENTER LAY)	S-LAY (SIDE LAY)	PERMANENT REEL S-LAY	REMOVABLE REEL S-LAY	REEL LAY	SURFACE TOW	MID-DEPTH TOW	ON-BOTTOM TOW	RIGID PIPE	SERIAL/VARIOUS LAY & BURY	MIN. DIAMETER FOR BURIAL	MAX. DIAMETER FOR BURIAL	MAX. NOMINAL PIPE JOINT LENGTH	PIPE ON REEL OR CAROUSEL	TOWED PIPELINE LENGTH	MINIMUM WATER DEPTH	PIPELAY	BURIAL	EXPERIENCE TO DATE
					FEET	FEET	FEET	FEET	KIPS								KIPS																							FEET	FEET	FEET	FEET
ALLSEAS GROUP, S.A. *Contact: Frank Kluwen, Director; ALLSEAS USA, INC.; 333 N. Sam Houston Pkwy East, Suite 750; Houston, Texas 77060, Phone: (281) 999-3330, Fax: (281) 999-6363; Website: www.allseas.com*																																							
1 2	*SOLITAIRE*	Varies		DP pipelay vessel	964'	131'	79'	28'	420		DP3	17	7	●	●	3	2,316	●				●	●	2	2"	60"			●									42'		50'	>10,000'		9,100'	
2 2	*AUDACIA*	Varies		DP pipelay vessel	738'	106'	62'	27'	270		DP3	11	7	●	●	3	1,157	●				●	●	2	2"	60"			●									42'		40'	>10,000'		3,500'	
3 2	*LORELAY*	Varies		DP pipelay vessel	599'	85'	51'	22'	216		DP2	7	6	●	●	3	363	●				●	●	2	2"	36"			●									42'		35'	>10,000'		5,410'	
4 2	*TOG MOR*	Varies		Anchored pipelay barge	386'	90'	20'	7'	84			5	3	●	●	1	221	●				●	●	2	2"	60"	●	●	●									42'		10'	800'		100'	
2 2	*CALAMITY JANE*	Varies		Bury vessel	427'	85'	33'	15'	72		DP2																										●	4"	48"			30'		2,500'	1,345'
ASCOT CONSTRUCTORS OFFSHORE LTD. *Contact: businessdevelopment@ascotafrica.com; www.ascotfrica.com*																																							
5 4	*ASCOT FORGADOS I*	Choba, Porthartcourt		Derrick/pipelay barge	350'	90'	20'	10/12'	152		Anchors	6	4	●	●	1	100	●	●	●	●				4"	24"	●	●				●		●	●	4"	24"	40'		15'	200'	100'	90'	
6 4	*ASCOT ESCRAVOS I*	Choba, Porthartcourt		Pipelay barge	250'	64'	14'	9/12'	120		Anchors	4	3	●	●	1	80	●	●	●	●				4"	16"	●	●		●				●	●	4"	16"	40'		12'	100'	40'	60'	
BISSO MARINE *Contact: Ray Buchler, Vice President, Business Development; BISSO MARINE; 11311 Needham Dr., Houston, Texas 77005; Phone: 281-897-1500; Fax: 281-897-1501; Email: info@bissomarine.com; Website: www.bissomarine.com*																																							
	DLB BIG CHIEF			Derrick/Pipelay/Bury	220'	74'	14'		56		7 Point	3	2																								7				
	DLB MIGHTY CHIEF	Delivery - 2nd Qtr 2011		Pipelay	190'	76'	12'		61		7 Point	3	2																								7				
CAL DIVE *Contact: Steven Brazda, Sr. Vice President, Sales & Marketing; CAL DIVE INTERNATIONAL; 2500 CityWest Blvd, Suite 2200, Houston, Texas 77042; Phone: 877-361-2600; Website: www.caldive.com*																																							
	BRAVE			Pipelay/Bury	275'	70'	18'	11'	96		7 Point	3	3																											
	RIDER			Pipelay/Bury	290'	72'	16'	7'	88		7 Point	3	3																											
	LONE STAR			Pipelay/Bury	313'	90'	13'	12'	165		8 Point	4	4																											
	PECOS			Pipelay/Bury	256'	72'	16'	9'	84		8 Point	3	3																											
	SEA HORIZON			Derrick/Pipelay	361'	96.4'	25.6'	13.2'	255		8 Point	7	7																											
CHET MORRISON CONTRACTORS *Contact: Brett Blanchard, Vice President of Subsea Operations - Chet Morrison Contractors; Houma, LA.; Phone: (985) 868-1950, Fax: (985) 868-1970; E-mail: bblanchard@chetm.com; Website: www.chetmorrison.com*																																							
7 1	*CM 11*	Houma, LA		Lay/Bury barge	195'	46'	13'	5'	40		Anchors & Spuds	4	2	●		1	50	●	●	●	●			●	3	1"	30"		●	●	●			●	●	2"	48"	80'		7'	100'	200'	60'	
8 1	*CM 9*	Houma, LA		Lay/Bury barge	180'	54'	12'	5'	40		Anchors	4	2	●		1	40	●	●	●	●			●	3	1"	30"		●	●	●			●	●	2"	48"	80'		7'	250'	200'	210'	
9 1	*CM 16*	Houma, LA		Lay/Bury barge	220'	90'	14'	8'	65		Anchors	5	3	●		1	80	●	●	●	●			●	3	1"	30"		●	●	●			●	●	2"	48"	40'		8'	400'	200'	400'	
CNOOC *Contact: 6164 1076 Danjiang Road, Tangju District, Tianjin, China 300451 Ph: (86 22)66906016, Fax: (86 22)66906000, Web: www.cnoocengineering.com*																																							
6	*HAI YANG SHI YOU 201*	Tanggu,Tianjin,P.R.C.	N/A		669'	126'	46'	TBD	380		TBD	TBD	TBD			2x200tons	TBD							TBD	6"	60"								TBD	TBD		N/A	TBD	49'	5 km/day (48"x1")	TBD	UC	
	LANJIANG			Heavy derrick/lay barge	517'	157'	41'	26'	36								80																			26'							
	BH109			Lift/ pipe laying barge	307'	93'	22'	14'																																	
	BH106			Lift/ pipe laying barge	262'	75'	16'	6'2'																																	
EMAS AMC *Contact: Alan Cordy, Senior Vice President, Business Development & Commercial, 2103 City West Blvd, Suite 500, Houston, Texas 77042; phone: 281-487-7245; Website: www.emas.com*																																							
10	*LEWEK CHAMPION*	Asia		DP2 Pipe Lay Barge	486'	131'	33'	21'	358		DP	7	6	●	●	2	441	●	●	●	●	●	●	●	6"	60"	●	●	●									39'	●	21'	1,969'		476'	
	ENTERPRISE 3	Asia		Derrick/Lay	394'	104'	30'	20'	300		8 Point	4	4			2	300	●	●	●	●	●	●	●	6"	36"	●	●	●		●							40'	●	30'			350'	
	LEWEK CRUSADER	Asia		Construction/Lay (Optional)	439'	105'	30'	20'	500		DP3	N/A					330	●	●	●	●	●	●	●	2"	24"												N/A	●	30'			300'	
11	*AMC CONNECTOR*	Europe		DSV/Lay	510'	105'	30'	20'	140		DP3	N/A					350	●	●	●	●	●	●	●	2"	24"												40'	●	30'			300'	
GLOBAL INDUSTRIES, LTD. *Contact: Byron Baker; GLOBAL INDUSTRIES, LTD.; 8000 Global Drive; Carlyss, LA 70665; Phone: (337) 583-5000, Fax: (337) 583-5100; E-mail: byronb@globalind.com; Web Site: www.globalind.com*																																							
12	*1200*	Delivery - 2nd Qtr 2010		DP-2 Derrick/Lay Vessel	532.4'	115.6'	52.8'	26.4'/31.8'	264		DP-2/8-Point	10	5	●	●	3	827					●	●	2	4"	60"	●	●											42'		45'	>8,000'		0'	
	1201	Delivery - 2nd Qtr 2011		DP-2 Derrick/Lay Vessel	532.4'	105.6'	52.8'	20.4'/21.8'	264		DP-2/8-Point	10	5	●	●	3	827					●	●	2	4"	60"	●	●											42'		45'	>8,000'		0'	
13	*CHICKASAW*	Carlyss, LA	2,790'	DP Derrick Barge	275'	80'	22'	9/14'	90		DP4	8	1	●		1	80	●	●	●	●	●	●	●	3	12"			●									42'	●	25'	6,000'		5,325'	
14	*COMANCHE*			Derrick/Lay Barge	401'	100'	29'	14'/19'	243		●						264					●			4"	60"			●												1,000'				
15	*DLB 394*			Derrick/Lay Barge	400'	100'	30'	14'/20'	275		●						300					●			4"	60"			●												1,000'				
16	*HERCULES (Conventional Lay)*	Carlyss, LA		DP Derrick/Lay Barge	486'	140'	25'	12'/19'	269		DP2/8-Point	9	6	●	●	2	1,200					●	●	2	4"	60"			●		●							80'	●	45'	>8,000'		2,525'	
16	*HERCULES (with Reel Lay Capability)*	Carlyss, LA	2,790'	DP Derrick Barge	486'	140'	25'	12'/18'	269		DP2/8-Point	9	6	●	●	2	1,200					●	●	2	2"	18"			●	●	●									45'	>8,000'				
17	*IROQUOIS*	Carlyss, LA		Derrick/Lay Barge	400'	100'	30'	14'/18.2'	213		10-Point	9	6	●	●	2	440					●	●	2	6"	60"	●	●	●										42'		20'	1,200'		700'	
HEEREMA MARINE CONTRACTORS U.S., INC. *Contact: Bruce Gresham, Vice President North America, Heerema Marine Contractors Us, Inc.; 15900 JFK Boulevard, 3rd floor; Houston, Texas 77032, Phone: (281) 893-6395, E-mail : bgresham@hmc-heerema.com; Web Site: www.heerema.com*																																							
18 1	*DCV Balder*			DP Pipelines Vessel	500'	102'	32'	36'/80'	400		DP3/12-Point	2	2				2,800	●	●	●	●	●	●	●	2"	36"	●	●	●									157'		300'	10,000'		10,000'	
HELIX ENERGY SOLUTIONS GROUP, INC. *Contact: Paul Byington, Sr. VP Subsea Construction, or Jeremy Woulds, VP Commercial; Helix ESG; 400 N. Sam Houston Pkwy. E., Suite 400; Houston, Texas 77060; Phone: (281) 618-0400, Fax: (281) 618-0502; E-mail: pbyington@helixesg.com or jwoulds@helixesg.com; Website: www.helixesg.com*																																							
	INTREPID	Ingleside, TX or Au Required	5,280'	DP MSV	384'	105'	30'	14'/18.2'	213		DP2	8	1	●		2	256	●	●	●	●	●	●	●	2"	15"	●	●	●		●						●	3"	12"	●		40'	10,000'	10,000'	7,000'	
	EXPRESS	Ingleside, TX or Au Required	5,280'	DP MSV	531'	114'	32'	20'	49		DP2	1	1			1	353					●	●	●	2"	14"	●		●	●	●						●	3"	12"	●		40'	10,000'	10,000'	10,000'	
	CASSAR	Ingleside, TX or Au Required		DP PLV	400'	98'	56'	19'/25'	115		DP	8	1	●	●	1	893	●	●	●	●	●	●	●	2"	36"	●		●	●	●						●	3"	12"	43'		50'	10,000'	10,000'		
INTERNATIONAL CONSTRUCTION GROUP *Contact: Ed Moorman VP Pipeline Division Ph: 985-798-7269, Fax 985-798-7286, Email: emoorman@intlofshore.com*																																							
19 1	*HS Pipeliner*	Larose, LA		Lay/Bury	300'	72'	18'	8'/18'	54		8-point	9	3	●	●	1	90	●	●	●	●	●	●	●	2"	20"	●	●	●									16'		300'	200'	240'	
J. RAY McDERMOTT *Contact: Bruce LeGros, GM Atlantic Basin Sales & Business Development; McDermott; 757 N. Eldridge; Houston, TX 77079; Phone: (281) 870-5000; E-mail: blegros@mcdermott.com; Website: www.mcdermott.com*																																							
20	*DB 50*	Morgan City, LA	NA	DP Derrick/Lay Barge	497'	151'	41'	31'	234		DP2/8-Pt.	8	NA	●	●	NA	775/200	●	●	●	●	●	●	2+	2"	20"	●		●	●	●									165'	●	400'	>10,000'		4,400'	
21	*DB 16*	Morgan City, LA	NA	DP Derrick/Lay Barge	400'	100'	28.5'	16'	164		DP2/8-Pt.	8	5	●	●	3	350/100	●	●	●	●	●	●	2+	2"/4"	10"/42"	●		●											42'	●	20'	>10,000'		3,500'	
22	*DB26*	Batam Island, Indonesia	NA	Derrick/Lay Barge	400'	100'	29'	16'	293		12-pt	12	5	●	●	2	250	●				●	●	2+	4"	48"	●		●											42'		20'	case by case	2,600'	2,600'	
23	*DB27*	Dubai, UAE	NA	Derrick/Lay Barge	420'	128'	32'	15.5'	270		12-pt	12	5	●	●	2	540	●				●	●	2+	4"	72"	●		●											42'		20'	case by case	3,000'	3,000'	
24	*DB30*	Batam Island, Indonesia	NA	Derrick/Lay Barge	420'	105'	28'	15'	303		12-pt	12	5	●	●	2	550	●				●	●	2+	4"	60"	●		●											42'		20'	case by case	3,000'	3,000'	
25	*KF1*	Dubai, UAE	NA	Derrick/Lay Barge	450'	99'	30'	15'	295		10-pt	10	5	●	●	2	300	●				●	●	2+	6"	60"	●		●											60'		20'	case by case	2,650'	2,650'	
26	*LB32*	Dubai, UAE	NA	Lay Barge	366'	104'	29.5'	15.7'	292		8-pt	8		●	●	2	240	●				●	●	2+	6"	60"	●		●											60'		10'	case by case			
27 3	*Emerald Sea*	Dartmouth, Nova Scotia	NA	DP SCV Vessel	302'	64'	36.5'	28'	109		DP2							●	●	●	●			●	2"	8"			●		●						6"	40'		25'	3,000'	3,000'		
3	*Boid Endeavour*	Dartmouth, Nova Scotia	NA	DP SCV Vessel	441'	64.6'	43.5'	27.6'	60		DP2							●	●	●				●	2"	8"			●		●						6"	40'		25'	3,000'	3,000'		
28 3	*Aplin*	Dartmouth, Nova Scotia	NA	DP SCV Vessel	441'	64.6'	43.5'	27.6'	199		DP2							●	●	●				●	2"	8"			●		●						6"	40'		25'	3,000'	3,000'		
29 1	*M0102*	Asia		DP SCRewel	451'	89'	32'	22.5'	199		DP2		2			2	240							●	2"	16"	●																600
LEIGHTON INTERNATIONAL *Contact: Russell Waugh, General Manager-Offshore Oil & Gas, 302-303, 3F, Windsor Building, CST Road, Kalina, Santa Cruz (East), Mumbai-400098*																																							
	STALIN			A1 Barge; Accommodation, Pipelay, Work Barge	330'	100'	20'	15'	232		Anchored	7	5	●	●	2	220					N/A	N/A	8"	60"			●		●	●	N/A	40'					6.2'	328'	N/A		328'	N/A		
	ECLIPSE			A1, Pipelay/Accommodation/Work Barge	437'	100'	20'	15'	260		Anchored	8	4	●	●	2	264					N/A	N/A	6"	60"			●		●	●	N/A	40'					11.48'	492'	N/A		492'	N/A		
NORICE OFFSHORE PTE LTD *Contact: Stewart Massey, 29 International Business Park #05-06 Acer Building Tower B, Singapore 609925, Tel.: +65 6319 6787, Fax.: +65 6319 6783, www.norieoffshore.com*																																							
30	*DLB NORGE ENDEAVOUR*	Singapore	N/A	Derrick/Lay Barge	480'	138'	33'	17.09.3'	240		8-point	7	4	●		2	330							EXT	4"	2"	48"			●										42'		18'	492'		
SAIPEM AMERICA INC. *Contact: Bobby Guarino Business Development, SAIPEM AMERICA INC.; 15950 Park Row; Houston, TX 77084; Phone: (281) 552-5700 Fax: (281) 552-5915; e-mail: brian.fine@saipemamerica.com; bobba.guarino@saipemamerica.com*																																							
1	*SAIPEM 3000*	As req'd by Project Needs		Heavy Lift DP Vessel	531.5'	126.7'	29.5'	22'	496		DP3																																
31 3	*CASTORO GII*	As req'd by Project Needs		Semi-sub Lay Barge	498.3'	213.3'	86.6'	47.6'	330		12 Point	6DJ	3DJ	●	●	3	859	●				●	●		6"	60"	●	●	●											84'		40'	3,500'		4,100'	
32 3	*CASTORO OTTO*	As req'd by Project Needs		Derrick/Lay Barge	629.9'	114.4'	49.2'	32.8'	339		12 Point	6	5-6	●	●	3	595	●				●	●		6"	60"	●	●	●											84'		30'	3,000'		1,200'	
33 3	*SAIPEM 7000*	As req'd by Project Needs		Derrick/J-Lay Barge	649.6'	285.4'	142.7'	88.6'	850		DP3/14-Point	20J	10J	●	●	3/3+clamps	1,160/2,200	●	●	●					4"	32"														168'	●	108'	10,000'		7,500'	
34 3	*CASTORO 10*	As req'd by Project Needs		Lay / Trenching Barge	370'	120'	30'	14'/17'1"	400		8 Point	6	4	●	●	2	220	●				●	●	3	3"	48"	●	●	●											84'		21'	600'	800'		
35 3	*SEMAC I*	As req'd by Project Needs		Semi-sub Lay Barge	487.3'	180.1'	91.3'	27/44'3"	362		12 Point	7DJ	4DJ	●	●	3	600	●				●	●	2	6"	60"	●	●	●											84'		32'	2,000'			
36 3	*SAIPEM FDS*	As req'd by Project Needs		Field Development Ship	536'	99'	41'	24.3'/26.2'	213		DP-Class III	10J	1J	●	●	Clamps	1,215/1,650	●	●	●	●	●	●	2	4"	20"			●	●	●	●	●	●						168'	●	10,000'	52'	10,000'		
37 3	*CASTORO 7*	As req'd by Project Needs		Semi-sub Lay Barge	549'	192'	60'	37.7'/65.6'	401		14 Points	7DJ	4DJ	●	●	5	750	●				●	●	3	8"	60"	●	●	●											84'		50'	1,500'			
38 3	*CASTORINE*	As req'd by Project Needs		DP Lay Vessel	1082'	128'	78'	26.24'/34.77'	702		DP3/8-Points	7TJ	3TJ-4TJ	●	●	3	1,650/3,306	●				●	●	2	8"	60"	●	●	●			●		●	●	●				126'	●	37.7'	10,000'			
39 3	*SAIPEM FDS 2*	As req'd by Project Needs		Field Development Ship	600.4'	105.6'	47.6'	26.24'/31.16'	325		DP-Class III	20J	10J	●	●	Clamps	3,306/4,400	●	●	●	●				4"	36"			●										168'	●	52'	10,000'			
3	*CASTORO II*	As req'd by Project Needs		Derrick/Lay Barge	442.9'	106.9'	29.5'	8'/18'	248		11 point	8	5	●	●	2	400					●	●	2	8"	72"	●	●	●											42'		22'	800'			
3	*S 205*	As req'd by Project Needs		Derrick/Lay Barge	354.3'	86.4'	24.6'	6.6'/15.2'	206		12 point	6	4	●	●	2	220					●	●	3	3"	48"	●	●	●											42'		20'	600'			
40 3	*CRAWLER*	As req'd by Project Needs		Derrick/Lay Barge	493.7'	112.4'	46.6'	22'/34.56'	230		12 point	8	4	●	●	2	160					●	●	3	4"	48"	●	●	●											42'		32'	400'			
3	*S230*	As req'd by Project Needs		Lay Barge	230'	74.8'	14.9'	8.2'/18.56'	120		10 point	5	2	●	●	1	55					●	●	3	4"	30"			●	●	●										42'		20'	160'			
SEA TRUCKS GROUP *Contact: Corrie van Kessel at corrievankessel@bearbrucksgroup.com*																																							
41	*JASCON 18*	worldwide		DP Lay Crane Accom	492'	120'	50'	20'	400		DP3	7	5+1	●	●	2	400	●	●	●	●	●	●	●	4"	60"	●	●	●																
42	*JASCON 25*	worldwide		DP Lay Crane Accom	390'	100'	27'	16'	355		DP3	6	3+1	●	●	2	265	●	●	●	●	●	●	●	4"	60"	●	●	●																
43	*JASCON 30*	worldwide		DP Lay Crane Accom	365'	100'	25'	15'	298		DP 3/10-Point	6	3+1	●	●	3	220	●	●	●	●	●	●	●	4"	60"	●	●	●																
44	*JASCON 34*	worldwide		DP Lay Crane Accom	390'	100'	27'	16'	355		DP3	6	3+1	●	●	2	265	●	●	●	●	●	●	●	4"	60"	●	●	●																
45	*JASCON 35*	worldwide		DP Lay Crane Accom	492'	130'	50'	20'	400		DP3	7	5+1	●	●	2	882	●	●	●	●	●	●	●	4"	60"	●	●	●