

Major FPSO, FSO & FSRU Conversion and Upgrading Projects Completed

No	Year	Vessel	Dwt	Client	Oilfield	Production Capacity	Type of Project	Yard
82	2009	Golar Winter	138,000 cubic metre	Golar LNG	Pecem Bay, Brazil	5.1 BCM / Yr	LNG Carrier to FSRU Conversion	Benoi
81	2009	FPSO BW Cidade De Sao Vicente	135,510	BW Offshore	Tupi Field, Brazil	40,000 bopd	FPSO modifications & upgrading	Benoi
80	2009	FDPSO Azurite	255,087	Prosafe Production	Azurite Field, Congo	60,000 bopd & 18,000 mscfd for gas	Tanker to FDPSO	Benoi
79	2008	FPSO Cidade De Sao Mateus	276,736	Prosafe Production	Camarupim Field, Espirito Santo Basin, Brazil	10,000,000 m ³ /d of gas and condensate	Tanker to GFPSO	Tuas
78	2008	FPSO Espirito Santo	232,500	SBM	Shell BC-10 Field, Brazil	100,000 bopd	FSO to FPSO	Tuas
77	2008	FPSO Lewek Arunothai	127,700	EMAS Offshore	Arthit Field, Thailand	7,000 bopd	Tanker to FPSO	Subic / Tuas
76	2008	Golar Spirit	128,600 cubic metre	Golar LNG	Guanabara Bay, Brazil	2.5 BCM / Yr	LNG Carrier to FSRU Conversion	Benoi
75	2008	Maersk Ngujima-Yin	308, 491	Maersk Contractors	Vincent Field, Australia	120,000 bopd	Tanker to FPSO	Tuas
74	2008	FPSO Saxi Batuque	310,000	SBM	Saxi Field, Offshore Angola	100,000 bopd	Tanker to FPSO	Benoi
73	2008	Kalamu FSO	138,105	Perenco	GCO Fields, Congo	-	Tanker to FSO	Benoi
72	2008	Armada Perkasa	59,650	Bumi Armada Berhad	Okoro-Setu oilfield, Nigeria	12,000 bopd	FPSO Upgrading	Tuas
71	2007	FPSO Mondo	273,413	SBM	Mondo Field, Angola	100,000 bopd	Tanker to FPSO	Tuas
70	2007	Front Puffin	112,000	Frontline FPSO Ltd	Puffin Field, Australia	40,000 bopd	Tanker to FPSO	Benoi
69	2007	FSO Nanhai Shengkai	123,899	JHN Oil	Lufeng Field, China	-	FSO Repair & Refurbishment	Benoi
68	2007	FPU P-53	322,446	Charter Development LLC	Marlim Leste, Brazil	180,000 bopd	FPU hull conversion	Tuas
67	2007	FSO XV Domy	232,500	SBM	-	-	FSO Repair & Refurbishment	Tuas
66	2007	Umuroa	119,000	Prosafe Production	Tui Field, New Zealand	50,000 bopd	Tanker to FPSO	Tuas
65	2007	FPSO Polvo	257, 882	Prosafe Production	Polvo Field, Brazil	90,000 bopd	Tanker to FPSO	Tuas
64	2006	Crystal Ocean	8,700	Anzon Australia	Basker/Manta/Gummy in Gippsland Basin, Australia	40,000 bopd	FPSO Upgrade & Repair	Tuas
63	2006	Armada Perkasa	59,650	Bumi Armada Berhad	-	20,000 bopd	FPSO Repair	Benoi
62	2006	FPSO Falcon	307,431	SBM	-	90,000 bopd	FPSO Preservation for Lay up	Tuas
61	2006	Nganhurra	142,000	Woodside Energy	Enfield, Western Australia	100,000 bopd	FPSO Mooring System connection winch Repair	Tuas
60	2006	Maera Ayu	37,224	PT Samudera	-	-	FSO Refurbishment	Benoi
59	2006	Federal I	149,235	Federal Offshore	Jabung Field, Indonesia	-	Tanker to FSO	Benoi
58	2006	Shanghai	49,142	Tanker Pacific	Oyong Field, Indonesia	-	Tanker to FSO	Tuas
57	2006	FPSO Capixaba	273,413	SBM	Golfinho Field, Brazil	100,000 bopd	Tanker to FPSO	Tuas
56	2006	Madura Jaya	88,728	PT Equinox	Madura Field, Indonesia	-	FSO Repair & Upgrade	Benoi
55	2006	Alvheim FPSO	87,000	Marathon Petroleum Company (Norway)	Alvheim Field, Norway	50,000 bopd	FPSO hull conversion	Tuas
54	2005	Berge Helene	274,467	Bergesen	Chinguetti, Mauritania	75,000 bopd	FPSO major upgrading	Tuas
53	2005	Crystal Ocean	8,700	Seataners	Basker/Manta,Gippsland Basin, Australia	40,000 bopd	FPSO upgrading	Tuas
52	2005	Armada Perkasa	59,650	Bumi Armada Berhad	Malaysia	20,000 bopd	FPSO life extension	Tuas
51	2005	Fernan Vaz	323,100	Perenco	Oguendjo, Gabon	-	Tanker to FSO	Tuas

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50	2004	OSB Ladinda	141,186	PAS Maritime	Lalang, Indonesia	-	Life extension	Tuas
49	2004	Devs	94,706	Mercator Shipping	Panna Mukta, India	-	Tanker to FSO	Benoi
48	2004	Pattani Spirit	100,024	Teekay Shipping	Platong, Thailand	-	Tanker to FSO	Tuas
47	2004	FPSO Marlim Sul	277,734	SBM	Marlim Sul, Brazil	100,000 bopd	Tanker to FPSO	Tuas
46	2003	MT Laksmiati	81,275	PAS Maritime	Bangka Terminal, Indonesia	-	Tanker to FSO	Tuas
45	2003	Kadriah I	266,560	KIC Oil & Gas	Tanjung Ayam, Malaysia	-	Tanker to Fuel Blending & Storage	Tuas
44	2003	FPSO Serpentina	307,431	SBM	Zafiro, Equatorial Guinea	110,000 bopd	Tanker to FPSO	Tuas
43	2003	Caspian Sea	101,609	Tanker Pacific Offshore Terminals	West Patricia, Malaysia	-	Tanker to FSO	Benoi
42	2003	Four Vanguard	94,225	Four Vanguard-Services	Woollybutt, Australia	40,000 bopd	Tanker to FPSO	Benoi
41	2002	Abo FPSO	132,500	Prosafe Production	Abo, Nigeria	44,000 bopd	Tanker to FPSO	Tuas
40	2002	Petroleo Nautipa	137,309	Prosafe / Fred Olsen	Etame, Gabon	30,000 bopd	FPSO Upgrading	Tuas
39	2002	FPSO Brasil	256,712	SBM	Roncador, Brazil	90,000 bopd	Tanker to FPSO	Tuas
38	2002	FPSO Falcon	307,431	SBM	Yoho, Nigeria	90,000 bopd	Tanker to FPSO	Tuas
37	2001	Espoir Ivoirien	167,517	Prosafe Production	Espoir, Ivory Coast	40,000 bopd	Tanker to FPSO	Tuas
36	2001	Karratha Spirit	106,668	Teekay Shipping	Karratha, Australia	-	Tanker to FSO	Tuas
35	2000	Magnolia	280,428	Int'l Marine Transport	Zafiro, Equatorial Guinea	-	Tanker to FSO	Tuas
34	2000	Espadarte FPSO	289,979	SBM	Espadarte, Brazil	100,000 bopd	Tanker to FPSO	Tuas
33	2000	Yetagun FSO	86,750	SBM	Yetagun, Myanmar	-	Tanker to FSO	Tuas
32	1998	Rang Dong 1	152,280	Mitsubishi Heavy Industries	Rang Dong, Vietnam	53,000 bopd	Tanker to FPSO	Benoi
31	1998	Ruby Princess	140,905	Nortrans Offshore	Ruby, Vietnam	25,000 bopd	Tanker to FPSO	Tuas
30	1998	Petroleo Nautipa	137,309	Nortrans / Fred Olsen	Kiame, Angola	30,000 bopd	Tanker to FPSO	Tuas
29	1998	Dampier Spirit	106,668	Teekay Shipping	Dampier, Australia	-	Tanker to FSO	Tuas
28	1997	Armada Perkasa	59,650	Bumi Armada / Care	PM-3, Malaysia	20,000 bopd	FSO to FPSO	Tuas
27	1997	Erawan	85,000	Unocal Thailand	Erawan, Thailand	-	FSO life extension	Tuas
26	1997	Endeavor	71,589	Nortrans Shipping	PY3, India	-	Tanker to FSO	Tuas
25	1996	Knock Dee	128,358	Red Band	Oribi, S Africa	-	Tanker to FSO	Tuas
24	1996	Whakaaropai	137,684	Modec Inc	Maui B, New Zealand	30,000 bopd	Tanker to FPSO	Tuas
23	1995	Cossack Pioneer	149,991	Woodside Petroleum	Wanaea/Cossack, Australia	115,000 bopd	Tanker to FPSO	Tuas
22	1994	Bavi	155,200	Petechim	Dragon, Vietnam	-	Tanker to FSO	Tuas
21	1994	Nanghai Kai Tuo	152,404	Phillips	Xijiang, China	100,000 bopd	Tanker to FPSO	Tuas
20	1994	San Jacinto	12,450	CONOCO	Ikan Pari, Indonesia	11,000 bopd	FPSO upgrading	Tuas
19	1993	Jabiru Venture	143,814	BHPP	Jabiru, Australia	60,000 bopd	FPSO upgrading	Tuas
18	1993	Ingerid Helene	266,169	Louis Dreyfus	Shenzhen, China	-	Tanker to PSV	Tuas
17	1992	Intan	178,344	CONOCO	Belida, Indonesia	-	Tanker to FSO	Tuas
16	1992	Nan Hai Xi Wang	171,280	Total-Chine	Weizhou, China	30,000 bopd	FPSO upgrading	Tuas
15	1991	Skua Venture	131,664	BHPP	Skua, Australia	32,000 bopd	Tanker to FPSO	Tuas
14	1991	Conkouati	229,240	Amoco	Yombo, Congo	35,000 bopd	FSO to FPSO	Tuas
13	1990	Acqua Blu	70,145	BOPS	Indonesia	-	FPSO upgrading	Tuas
12	1990	Cilacap	84,701	Pertamina	Udang, Indonesia	-	Tanker to FSO	Tuas
11	1990	Chi Linh	150,500	Vietsovpetro	White Tiger, Vietnam	70,000 bopd	FSO to FPSO	Tuas
10	1988	Lasmo Riau	137,160	Kondur Petroleum	Lalang, Indonesia	-	FSO upgrading	Benoi
9	1988	Jabiru Venture	143,814	BHPP	Jabiru, Australia	60,000 bopd	FPSO modification	Tuas
8	1986	Nan Hai Xi Wang	171,280	Total-Chine	Weizhou, China	30,000 bopd	Tanker to FPSO	Tuas
7	1985	Al Kahera	228,700	Geisum Oil	Geisum, Egypt	15,000 bopd	Tanker to FPSO	Tuas
6	1985	Krym	150,000	Sudoimport	White Tiger, Vietnam	-	Tanker to FSO	Tuas
5	1983	Afran Zodiac	231,430	Gulf Oil	Ras Al Khaima, UAE	-	Tanker to FSO	Tuas
4	1983	Bon Bateau	232,162	Amoco	Gabon	-	Tanker to FSO	Tuas
3	1982	Afran Zenith	96,716	Gulf Oil	Maunda, Congo	-	Tanker to FSO	Tuas
2	1982	Afran Ocean	323,094	Gulf Oil	Angola	-	Tanker to FSO	Tuas
1	1981	FPSO II	127,244	SBM	Cadlao, Philippines	30,000 bopd	Tanker to FPSO	Tuas