

Contents

I. Current & Planned Floating Production Systems	13
◆ Recent Orders	14
◆ Recent Deliveries	18
◆ What's Now Being Built	19
◆ Trend In Order Backlog	22
◆ Composition of Order Backlog	23
◆ Current Fabrication and Conversion Activity	24
◆ Floater Projects Planned or Under Study	28
◆ Floating Production Database	34
◆ Most Likely Awards in Next 12 Months	40
II. Recent Developments	42
◆ Floater Prospects in the Planning Stage	42
☑ Suerte Basin Hub (Saasken, Saasil, Yopaat, Yatzil) (Mexico)	42
☑ Cheviot (UK)	43
☑ Sloanea / Roystonea / Fusaea (Suriname)	43
◆ Floater Prospects in the Bidding or Final Design Stage	44
☑ Kudu (Namibia)	44
☑ Dorado (Australia)	44
☑ Deep Waters Sergipe / SEAP I & SEAP II (Brazil)	45
☑ Marlim Sul / Marlim Leste Replacement (Brazil)	45
☑ Tiber (US)	46
☑ Zama (Mexico)	46
☑ NEW Hilli Episeyo Redeployment (Argentina)	47
☑ Kelidang Cluster (Brunei)	47
☑ NEW SFA Cluster (Penara / Puteri-Padang / North Lukut) (Malaysia)	48

◆	Non-Sanctioned FPS Projects	49
	☑ BirAllah Hub / Orca (Mauritania)	49
	☑ Brulpadda (South Africa)	49
	☑ Gehem / Gendalo (Indonesia Deepwater Development) (Indonesia)	49
◆	New Orders	50
	☑ Kaminho FPSO (Angola)	50
	☑ P 84 & P 85 FPSOs (Brazil)	50
	☑ Kaskida Semi SEMI	51
	☑ PGNig LNG Import FSRU (Poland)	51
	☑ G1 FSO (Thailand)	51
	☑ Puteri Delima Satu FSO (LNG) (Malaysia)	51
◆	Systems On Order	52
	☑ Fast4Ward Hull #8 FPSO (Suriname)	52
	☑ Petrojarl Kong (ex-Voyageur Spirit) FPSO & Yamoussoukro FSO (Cote d'Ivoire)	52
	☑ Almirante Tamandare FPSO (Brazil)	53
	☑ Maria Quiteria FPSO (Brazil)	53
	☑ LNG Capricorn & LNG Tarus FSOs (LNG) (Canada)	54
	☑ Western Isles FPSO (UK)	54
	☑ Kasuri LNG FLNG (Indonesia)	55
	☑ Fuji (Mark II Project) FLNG (TBD)	55
◆	Systems Recently Completed	56
	☑ Atlanta (ex-OSX 2) FPSO (Brazil)	56
	☑ Marechal Duque de Caxias FPSO (Brazil)	56
	☑ Johan Castberg FPSO (Norway)	57
	☑ Penguins FPSO (UK)	57
	☑ Bunga Kertas FPSO (Thailand)	58
◆	Existing Systems	58
	☑ Baobab Ivoirien MV10 FPSO (Cote d'Ivoire)	58
	☑ Tortue FPSO (Mauritania)	59
	☑ Anna Nery FPSO (Brazil)	59
	☑ Cidade de Santos MV20 FPSO (Brazil)	60
	☑ Hoegh Galleon FSRU (Egypt)	60

◆ Decommissioned Systems	61
<input checked="" type="checkbox"/> Pattani FSO (Thailand)	61
<input checked="" type="checkbox"/> Tahara SEMI (India)	61

Appendix I: Projects in Planning Pipeline **62**

◆ Africa	62
◆ Australia	83
◆ Brazil	88
◆ Canada	100
◆ Caribbean	102
◆ Gulf of Mexico	103
◆ Mediterranean	109
◆ North Sea	113
◆ South America (excluding Brazil)	117
◆ Southeast Asia	121
◆ China	142
◆ Southwest Asia and Middle East	144

Appendix II: On Order FPS Units **151**

◆ FPSO 30 Units	152
◆ FLNG 8 Units	169
◆ FSRU 6 Units	173
◆ SEMI 8 Units	176
◆ FSO 8 Units (3 Oil, 5 LNG)	180
◆ Under Repair: 2 Units (1 FPSO, 1 FSO)	184

Appendix III: Installed and Available FPS Units

185

◆ FPSO 175 Units	185
◆ BARGE 10 Units	204
◆ FLNG 7 Units	206
◆ FSRU 49 Units	207
◆ SEMI 36 Units	214
◆ SPAR 19 Units	219
◆ TLP 27 Units	222
◆ FSO 111 Units (95 Oil, 16 LNG)	226
◆ MOPU 23 Units	238
◆ Available Vessels: 23 Units	241

Appendix IV: Historical Installed FPS Units

244

List of Illustrations

* Fig 1. Total Units by FPF Type	13
* Fig 2. Total FPSOs by Status	13
* Fig 3. Available Units by Type and Year Idle	14
* Fig 4. Units Awarded by Quarter	15
* Fig 5. Units Awarded by Capex	15
* Fig 6. FPS Units Awarded	16
* Fig 7. FPS Awards in Relation to Oil Price	17
* Fig 8. Order Pace 2008-2024	17
* Fig 9. FPS Units Delivered	18
* Fig 10. FPS Units On Order by Hull Type	19
* Fig 11. FPS Units On Order by Contract Type (Lease/Own)	20
* Fig 12. Map of FPS Units On Order	21
* Fig 13. Order Backlog for FPS Units	22
* Fig 14. Orderbook by FPS Type	23
* Fig 15. Distribution of Units On Order by Yard	27
* Fig 16. Projects in Planning Pipeline by Region	28
* Fig 17. Projects in Planning Pipeline by Region-LNG&Non-LNG	29
* Fig 18. Deepwater and Ultra Deepwater Projects by Region	30
* Fig 19. Projects in Bidding and Final Design Stage by Region and Water Depth	31
* Fig 20. Projects in Planning Stage by Region and Water Depth	32
* Fig 21. Projects in Appraisal Stage by Region and Water Depth	33
* Fig 22. Map of FPS Units (Installed and Available)	35
* Fig 23. Table of Production and Storage Floaters by Type and Region	36
* Fig 24. FPSO by Status and Region	37

* Fig 25. FSO by Status and Region	37
* Fig 26. FSRU by Status and Region	38
* Fig 27. FLNG by Status and Region	38
* Fig 28. SEMI by Status and Region	39
* Fig 29. SPAR/TLP by Status and Region	39
* Fig 30. Likely Awards (FPSOs)	40
* Fig 31. Likely Awards (Non-FPSOs)	41
* Fig 32. FPS Units On Order / Under Repair	151