



The World Floating Production Report 2010-2014

Douglas —
Westwood

Prospects, Technologies, World Markets



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Notes and Acknowledgements

Acronyms & Abbreviations

bbbl	barrel(s) of oil and/or condensate
Bcf	billion cubic feet (i.e. one thousand million cubic feet)
bpd	barrels per day
boe	barrel(s) of oil equivalent
BOP	blow-out preventer
CALM	catenary anchor leg mooring
Capex	capital expenditure
cf/d	cubic feet per day
cm/d	cubic metres per day
DCU	dry completion unit
DDCV	deep draft caisson vessel
DP	dynamic positioning
dwt	deadweight tonnage
E&P	exploration and production
EPC	engineering, procurement and commissioning
EPCI	engineering, procurement, construction and installation
EPIC	engineering, procurement, installation and commissioning
EPS	early production system
EWT	extended well test
FEED	front-end engineering and design
FLNG	floating liquefied natural gas
FPDSO	floating production drilling storage offloading vessel
FPS	floating production system
FPSO	floating production, storage and offloading vessel or platform
FPSS	floating production semi-submersible
FPU	floating production unit
FSO	floating storage & offloading vessel
GoM	the US Gulf of Mexico
GTL	gas to liquids
HPHT	high-pressure, high-temperature
JIP	joint industry project
LPG	liquefied petroleum gas
LNG	liquefied natural gas
Mmbbl	million barrels (of oil and/or condensate)
Mmboe	million barrels of oil equivalent
mmcf/d	million cubic feet per day
mmcm/d	million cubic metres per day
MMS	Minerals Management Service (US)
MODU	mobile offshore drilling unit
MW	megawatts
NGL	natural gas liquids
Opex	operating expenditure

OML	Oil Mining License (off Nigeria)
OPL	Oil Prospecting License (off Nigeria)
PSA	Production Sharing Agreement
PSC	Production Sharing Contract
psi	pounds per square inch (pressure)
ROV	remotely operated (underwater) vehicle
SCR	steel catenary riser
Tcf	trillion cubic feet
TLP	tension leg platform
VIV	vortex-induced vibration
VLCC	very large crude carrier
WD	water depth

Data Sources

The base data used in this study encompass all historic and future floating production systems (FPSs) and floating storage and offloading systems (FSOs) and were drawn from DWL's World Floating Production Database on May 13th, 2010.

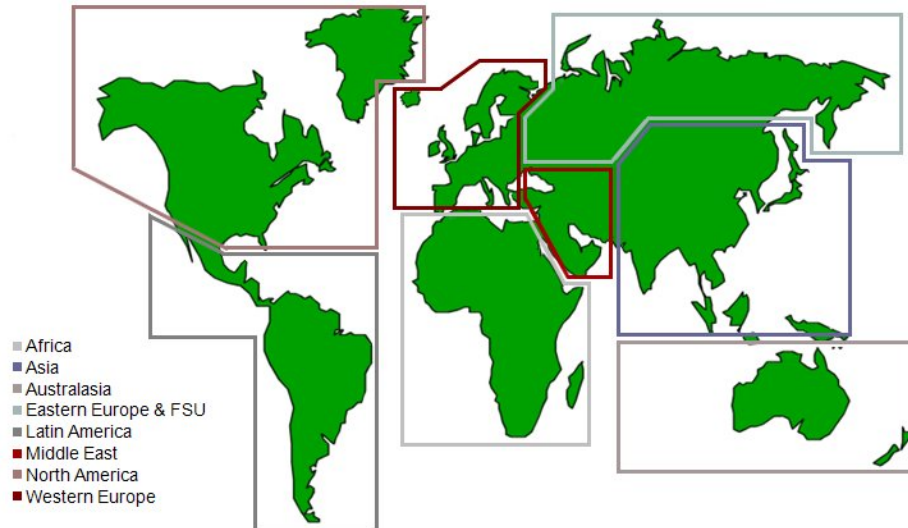
Future FPS projects – defined as those that are currently under construction/conversion, planned or possible – as 'FPS prospects,' or simply as 'prospects.' Information on these prospects should not be confused with DWL's forecasts which are set out in Chapter 10. The methodology used to derive these forecasts from the information held on the DWL Floating Production database is outlined at the beginning of Chapter 10.

Data given elsewhere in the text is drawn from a wide range of publications. Where appropriate, the relevant source has been cited. This information has been supplemented by our own contacts with operators, contractors and suppliers worldwide. We are most grateful for their contributions.

Conventions Used in the Text

- Water depth – units are given in metres (m).
- Metric – when original units were given in feet, these have been converted to metres by applying a conversion factor of 0.3048. Miles have been converted into km at 1.6 km per mile. The oil industry convention of using inches when referring to pipeline diameters is observed.
- Monetary values are given in US dollars.
- Totals shown – these are displayed rounded to the nearest whole number.
- Dates – Unless otherwise stated, the dates given refer to the installation date of the FPS in question.

Notes and Acknowledgements

Regions

To ensure consistency and compatibility between our various publications, we have adopted a new framework for our regional analysis of data which will be adopted in this Report and in future publications by Douglas-Westwood Ltd. For the purpose of our analysis, we have divided the globe into eight regions. These regions are defined as follows:

Africa – includes: Algeria, Angola, Benin, Cameroon, Chad, Congo, D.R.Congo (Ex Zaire), Egypt, Equatorial Guinea, Eritrea, Gabon, Ghana, Ivory Coast, Libya, Mauritania, Morocco, Namibia, Nigeria, Republic of South Africa, Senegal, Sudan, Tanzania, Tunisia.

Asia – includes: Bangladesh, Brunei, Cambodia, China, India, Indonesia, Japan, Malaysia, Myanmar, Pakistan, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, Vietnam.

Australasia – includes: Australia, East Timor, New Caledonia, New Zealand, Papua New Guinea.

Eastern Europe & the Former Soviet Union (FSU) – includes: Azerbaijan, Bulgaria, Georgia, Kazakhstan, Lithuania, Poland, Romania, Russia, Turkmenistan, Ukraine.

Latin America – includes: Argentina, Bahamas, Brazil, Chile, Colombia, Cuba, Dominican Republic, Ecuador, El Salvador, Falkland Islands, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, St Eustatius, Trinidad, Uruguay, Venezuela.

Middle East – includes: Abu Dhabi (UAE), Bahrain, Dubai (UAE), Fujairah (UAE), Gaza Offshore, Iran, Iraq, Israel, Kuwait, Lebanon, Oman, Qatar, Ras Al Khaimah (UAE), Saudi Arabia, Sharjah (UAE), Syria, Turkey, Umm Al Qaiwain (UAE), Yemen.

North America – includes: Canada, Greenland, USA.

Western Europe – includes: Albania, Belgium, Croatia, Cyprus, Denmark, Faroe Islands, Finland, France, Germany, Greece, Ireland, Italy, Malta, Monaco, Netherlands, Norway, Portugal, Spain, Sweden, UK.

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