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**2005 DEEPWATER SOLUTIONS & RECORDS FOR CONCEPT SELECTION**

Going Deeper with Production Technology

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**DEEPWATER CENTER OF EXCELLENCE**

Map of Deepwater Areas/Basins of the World showing locations like Typhoon, Kish, Med Dog, and others.

**Field Size Ranges for Deepwater Systems (Approximate)**

1. Fixed Platforms (<1,000)  
2. Compliant Towers  
3. FPSOs & FPDs  
4. FPSOs (New-Modular)  
5. FPSOs (New-Modular)  
6. Conventional TLPs  
7. New Generation TLPs (Classic E-TLP Mass)  
8. Spars, DDFs, DDCVs, & SCFs  
9. Deep Draft Semis  
10. Semi-FPSOs  
11. Subsea Tiebacks  
12. Wellhead Production Buoys  
13. Wellhead Control Buoys

MMboe

**FPSOs 15 Deepest Units - Sanctioned, Installed or Operating**

Table with columns for FPSO Name, Year, and Depth (m).

**SPARS**  
**BLUUPRA AND SELEMA FIELD DEVELOPMENT**  
**TLPS**  
**PRINCE FIELD PROJECT**  
**MAGNOLIA TLP PROJECT**  
**INDEPENDENCE HUB PROJECT**  
**GULF OF MEXICO DEEPWATER RECORDS**

**Deepwater System Types**

Diagram showing various deepwater system types: Fixed Platform, Centralized Tower, New Generation TLP, Conventional TLP, Semi-FPS, Trawl Spar, Classic Spar, Call Spar, Control Buoy, Subsea Manifold.

**Producing Deepwater System Types by Location**

System Type	West Africa	North Africa	South Africa	Latin America	Caribbean	Asia	Europe	Australia	Other
Fixed Platform	1	1	1	1	1	1	1	1	1
Centralized Tower	1	1	1	1	1	1	1	1	1
New Generation TLP	1	1	1	1	1	1	1	1	1
Conventional TLP	1	1	1	1	1	1	1	1	1
Semi-FPS	1	1	1	1	1	1	1	1	1
Trawl Spar	1	1	1	1	1	1	1	1	1
Classic Spar	1	1	1	1	1	1	1	1	1
Call Spar	1	1	1	1	1	1	1	1	1
Control Buoy	1	1	1	1	1	1	1	1	1
Subsea Manifold	1	1	1	1	1	1	1	1	1

**Spar Cycle Time Analysis - Discovery to First Production**

System	Discovery	Sanction	First Production	Average Times
Typoon	20.5	18.1	31.5	34.3 months
Marco Polo	19.8	24.2	29.1	33.9 months
Greenbank	17.1	25.3	30.7	33.4 months
Front Runner	17.7	34.7	48.4	33.3 months
Boonwong	16.3	33.8	41.4	33.3 months
Constitution	26.2	22.7	18.7	33.3 months
Kish	25.7	33.1	48.5	33.3 months
Medusa	28.7	32.3	41.9	33.3 months
Medusa	32.1	32.3	41.9	33.3 months
Med Dog	38.6	34.9	39.9	33.3 months
Napalm	45.3	26.8	112.1	33.3 months
Hoover-Dunn	48.9	32.7	117.7	33.3 months
Genesis	48.9	32.7	117.7	33.3 months

**TLP Cycle Time Analysis - Discovery to First Production**

System	Discovery	Sanction	First Production	Average Times
Typoon	20.5	18.1	31.5	60.5 months
Marco Polo	19.8	24.2	29.1	60.5 months
Greenbank	17.1	25.3	30.7	60.5 months
Front Runner	17.7	34.7	48.4	60.5 months
Boonwong	16.3	33.8	41.4	60.5 months
Constitution	26.2	22.7	18.7	60.5 months
Kish	25.7	33.1	48.5	60.5 months
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**Worldwide Progression of Water Depth Capabilities for Drilling & Production - As of March 20, 2005**

Graph showing Water Depth (m) vs Year (1940-2010).

**Progression of Spars and TLPs to Deepwater - Water Depth vs. First Operating Year**

Graph showing Water Depth (m) vs First Operating Year (1960-2010).

**Worldwide Progression of Water Depth Capabilities for Drilling & Production - As of March 20, 2005**

Graph showing Water Depth (m) vs Year (1940-2010).

**World Record Subsea Tiebacks - Sanctioned, Installed, Operating or Future Tiebacks (Water Depth vs. Tieback Distance)**

Graph showing Water Depth (m) vs Tieback Distance (km).

**Current Worldwide Offshore Records - As of March 20, 2005**

Table of records for various offshore systems.

**Progression of Spars and TLPs to Deepwater - Water Depth vs. First Operating Year**

Graph showing Water Depth (m) vs First Operating Year (1960-2010).

**Worldwide Progression of Water Depth Capabilities for Drilling & Production - As of March 20, 2005**

Graph showing Water Depth (m) vs Year (1940-2010).

**Worldwide Progression of Water Depth Capabilities for Drilling & Production - As of March 20, 2005**

Graph showing Water Depth (m) vs Year (1940-2010).

**Worldwide Progression of Water Depth Capabilities for Drilling & Production - As of March 20, 2005**

Graph showing Water Depth (m) vs Year (1940-2010).

**Water Depth Range Comparison - By Deepwater Production Type**

Graph showing Water Depth Range (m) vs Production Type.

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