Expansion in Subsea Worldwide

Frederic Delormel, Executive VP and COO Subsea

Investor Day in Brazil, October 4, 2011

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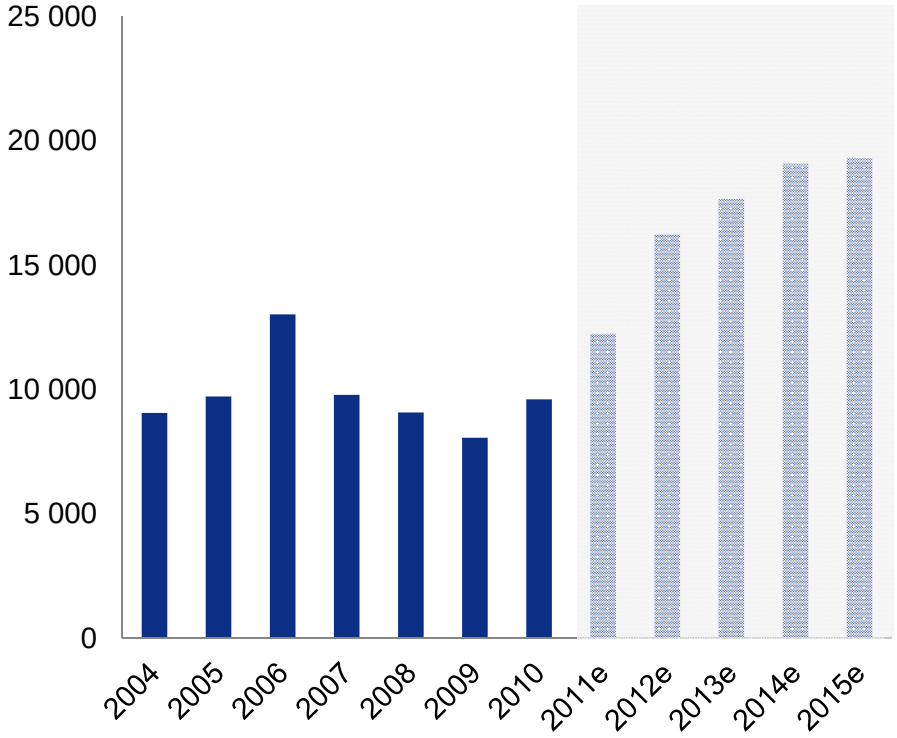
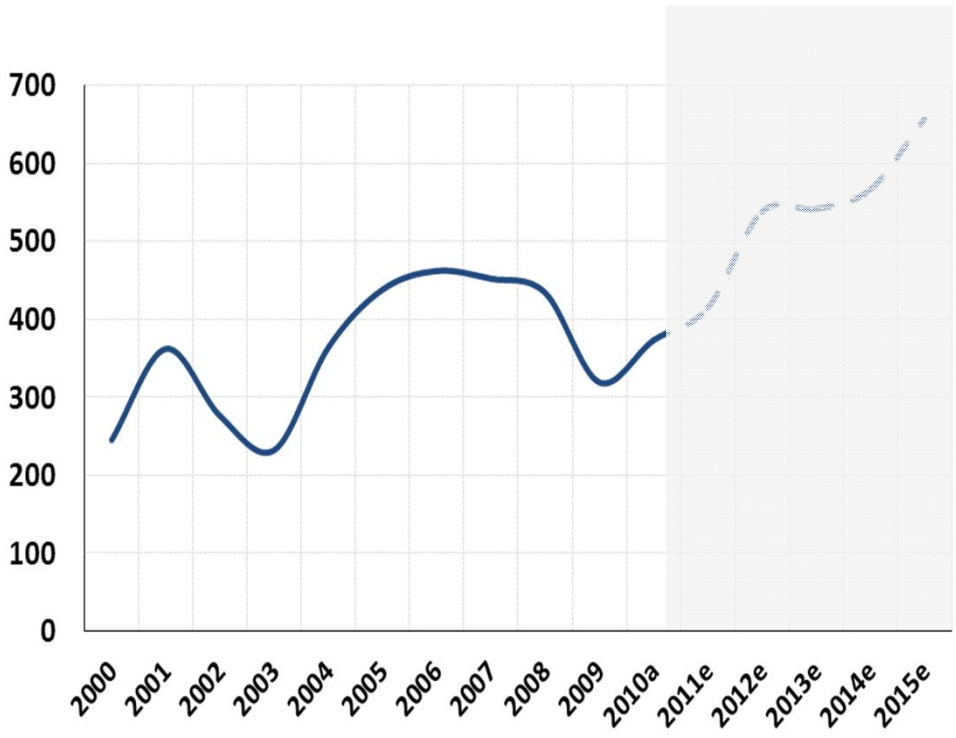
Continuous Subsea Market Improvement

Offshore Pipelines
(km installed per year[1])



Subsea Tree Orders
(number per year[2])



(1) Offshore Pipelines include: conventional lines associated with SURF & Trunklines/Export lines (diameter = or >24" and length >75 km); Source: Infield Systems'
(2) Source: Quest Offhsore (Mean Case)

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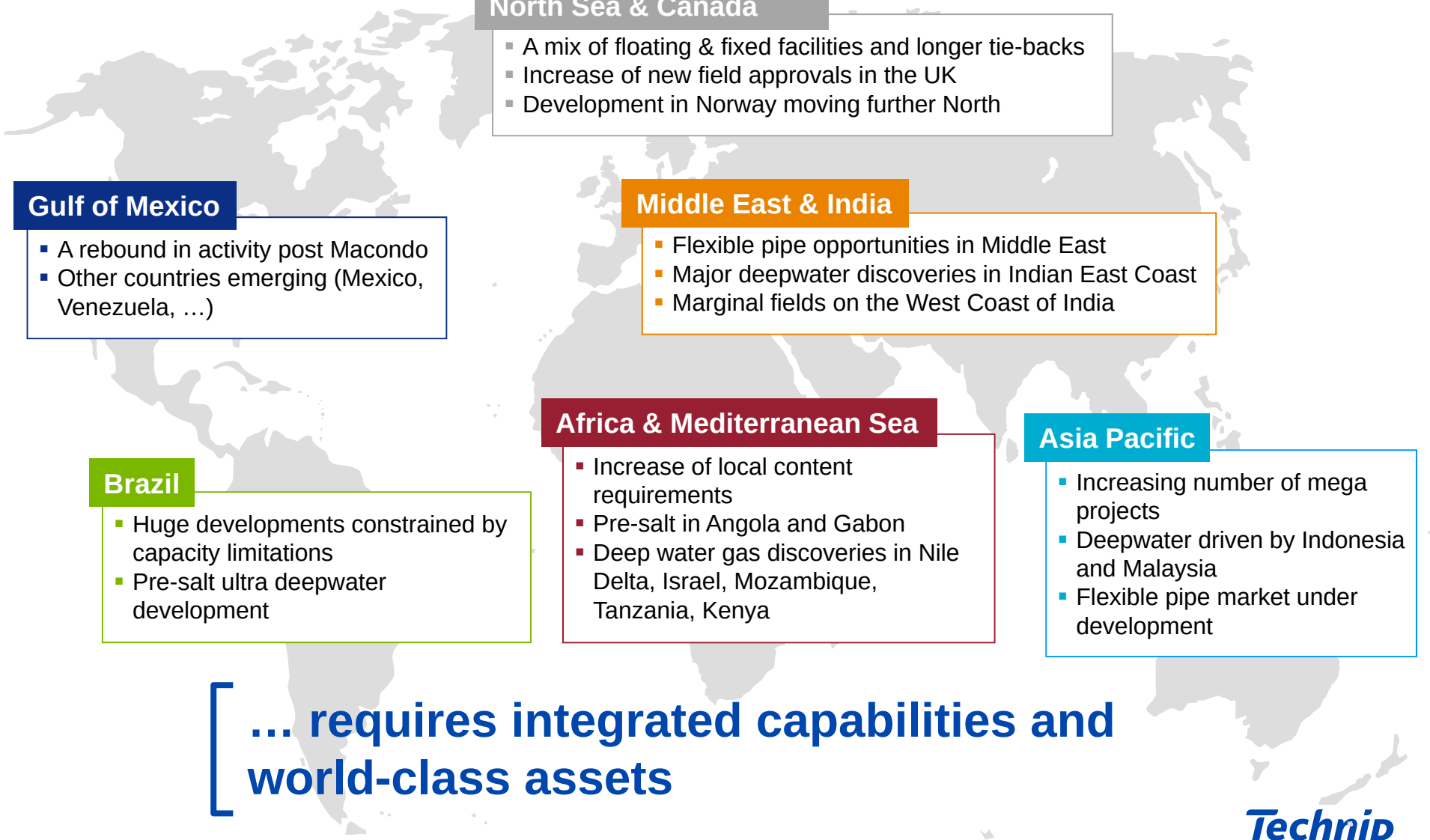
More Integrated and Complex Prospects in the Subsea Market…



North Sea & Canada

- A mix of floating & fixed facilities and longer tie-backs
- Increase of new field approvals in the UK
- Development in Norway moving further North

Gulf of Mexico

- A rebound in activity post Macondo
- Other countries emerging (Mexico, Venezuela, …)

Middle East & India

- Flexible pipe opportunities in Middle East
- Major deepwater discoveries in Indian East Coast
- Marginal fields on the West Coast of India

Africa & Mediterranean Sea

- Increase of local content requirements
- Pre-salt in Angola and Gabon
- Deep water gas discoveries in Nile Delta, Israel, Mozambique, Tanzania, Kenya

Asia Pacific

- Increasing number of mega projects
- Deepwater driven by Indonesia and Malaysia
- Flexible pipe market under development

Brazil

- Huge developments constrained by capacity limitations
- Pre-salt ultra deepwater development

… requires integrated capabilities and world-class assets

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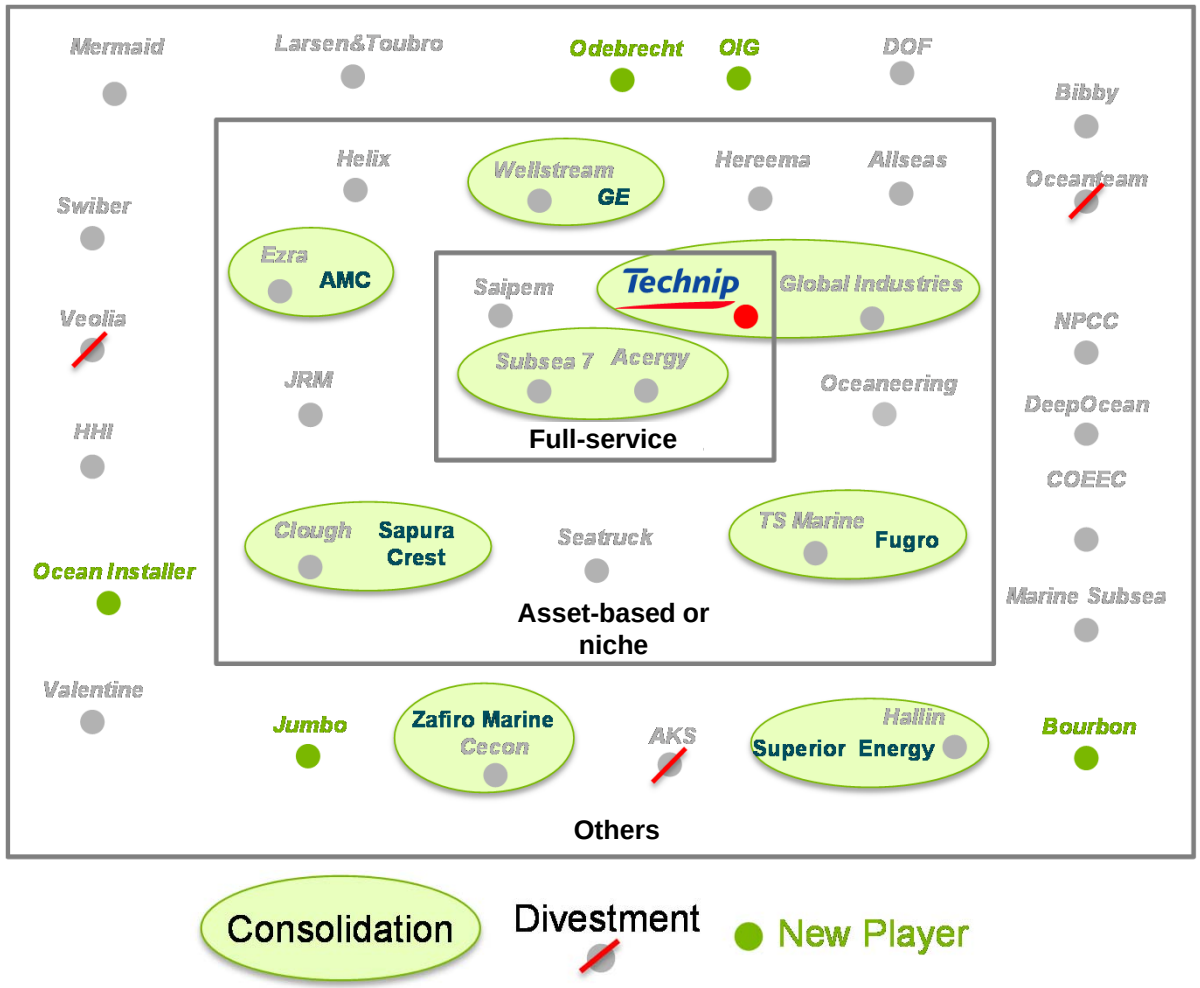
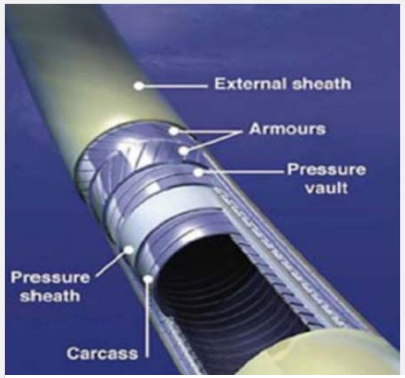
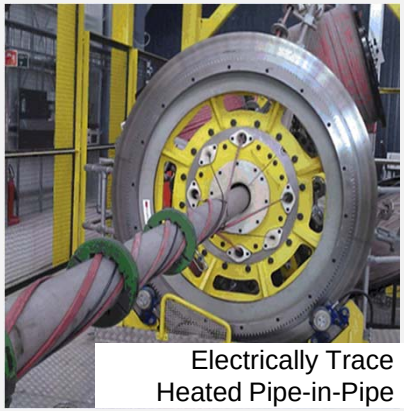
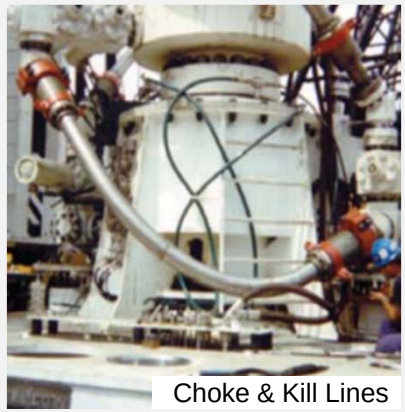
Competitive Landscape



- **Consolidation for**
  - Economy of scale & global footprint
  - Product line expansion
- **New entrants to focus on**
  - Mid & low-end Subsea activities
  - Specific local markets

Source: Technip

Technip's Product Portfolio

Flexible Pipe	Rigid Pipe	Umbilical	DRAPS*
 Typical Flexible Pipe Structure	 Electrically Trace Heated Pipe-in-Pipe	 Thermoplastic Umbilical	 Drain Pipe System
 IPB (Integrated Production Bundle)	 Reeled Mechanically Lined Pipe	 Steel Tube Umbilical	 Choke & Kill Lines

** Drilling & Refining Applications*

Expand SURF* Capability Through Organic Growth

MANUFACTURING CAPACITIES


New flexible plant, Asia


New high-end flexible plant, Brazil


Steel tube umbilical upgrade, UK


Upgrade of umbilical plant, Angola

VESSELS


Skandi Arctic, North Sea


New Skandi Vitória, Brazil


Apache II, UK


New Skandi Niteroi, Brazil


New Asia Pacific flexlay vessel


Deep Energy

Over €1,400 million invested since 2007

Investments completed since January 2010

Investments under development

** Subsea Umbilicals, Risers and Flowlines*

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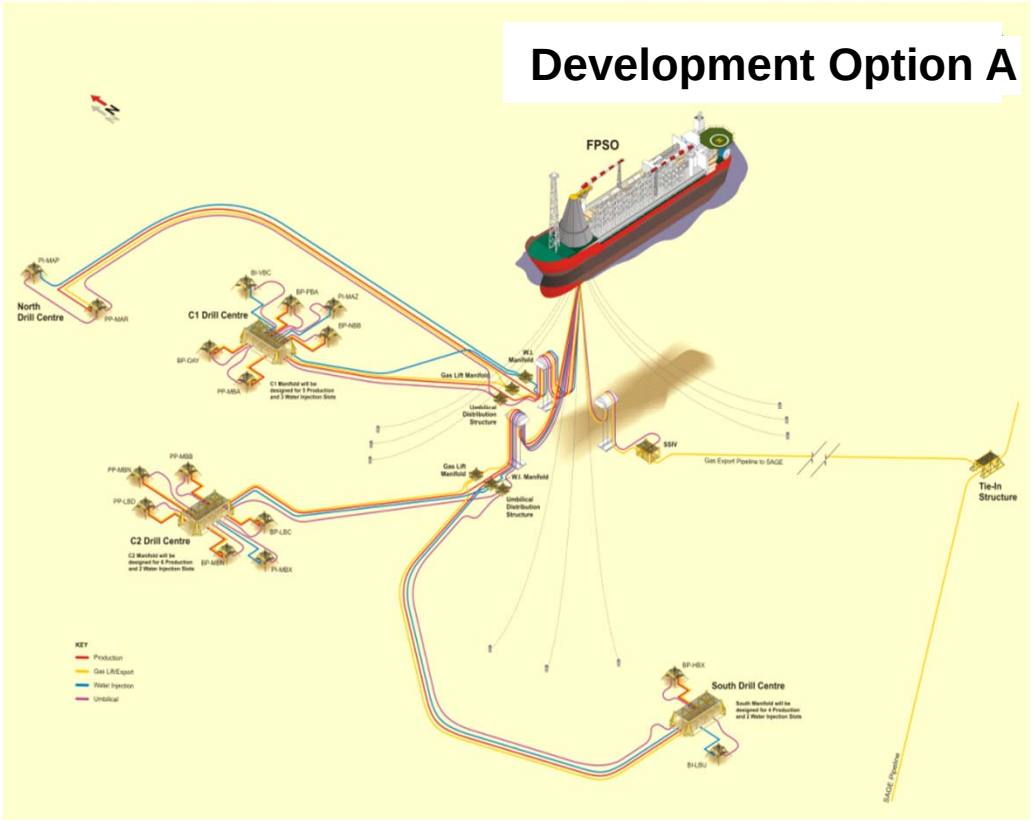
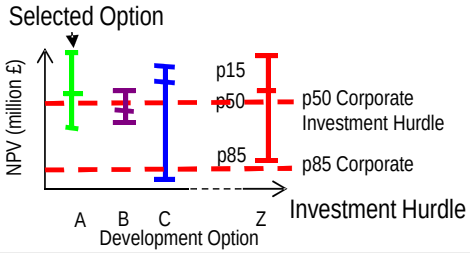
Upstream Field Engineering Capability

Design Basis → Option Identification → Technical Definition → CAPEX, OPEX & Life Cycle Costs → Screening Criteria → Risk Analysis → Option Screening



Life Cycle and Risk Analysis



Option Selection and Project Execution

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Full Range of Rigid Pipelay Capabilities

J-Lay

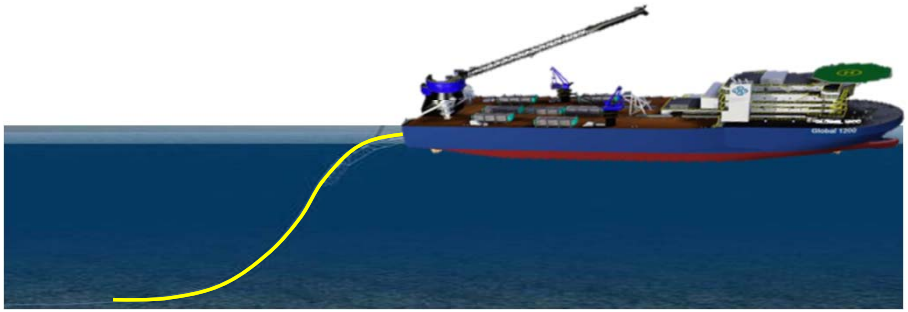
- Large Pipe-in-Pipe
- Export line
- Inter-field line
- Heavy pipeline in deep water

Reel-Lay

- Infield line
- Tie backs
- Pipe-in-Pipe
- Fast installation capacity

S-Lay

- Deep-to-shore projects
- Export line
- Inter-field line



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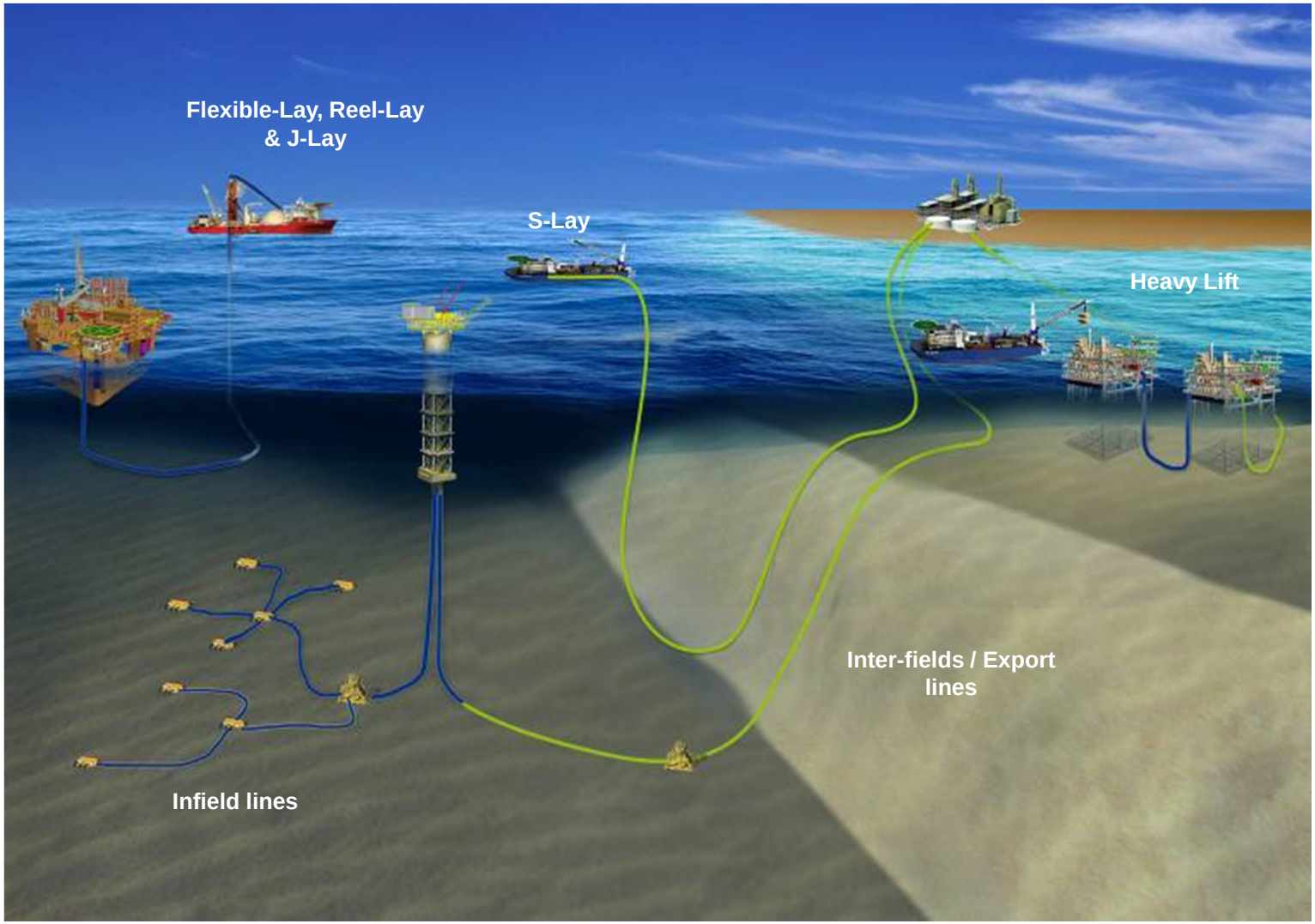
Global Industries in line with Technip's Priorities: Deepwater and Integrated Projects



Technip Global Industries

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Technip Customer Support from Concept to Execution

Concept

Upstream Engineering

- Pre-FEED* and FEED
- Offshore field development studies
- Innovative technology solutions for platform and subsea challenges

Execution

PROJECT MANAGEMENT

Project Engineering & Procurement

Manufacturing

- Flexible risers and flowlines
- Rigid pipeline welding/spooling
- Umbilicals

Installation

- Flexible-Lay
- Umbilical-Lay
- Associated construction
- Rigid Reel-Lay
- Rigid J-Lay
- Rigid S-Lay
- Heavy Lift for Subsea infrastructure
- Offshore topside installation

Support, Diving & Logistics

R&D, Proprietary Software & Hardware

*FEED: Front End Engineering Design

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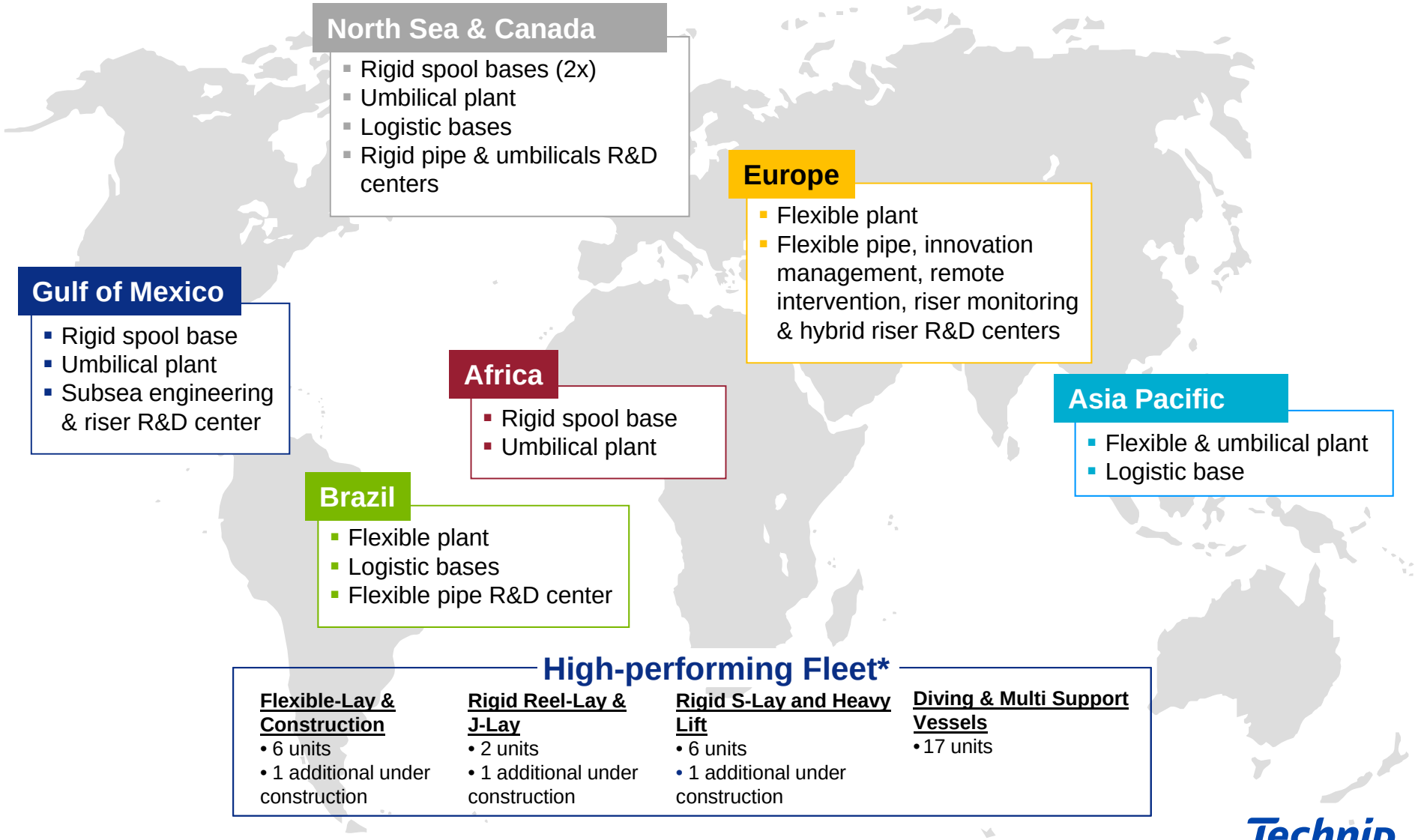
Technip's Leading Position in the Subsea Market



North Sea & Canada

- Rigid spool bases (2x)
- Umbilical plant
- Logistic bases
- Rigid pipe & umbilicals R&D centers

Europe

- Flexible plant
- Flexible pipe, innovation management, remote intervention, riser monitoring & hybrid riser R&D centers

Gulf of Mexico

- Rigid spool base
- Umbilical plant
- Subsea engineering & riser R&D center

Africa

- Rigid spool base
- Umbilical plant

Asia Pacific

- Flexible & umbilical plant
- Logistic base

Brazil

- Flexible plant
- Logistic bases
- Flexible pipe R&D center

High-performing Fleet*

Flexible-Lay & Construction
- 6 units
- 1 additional under construction

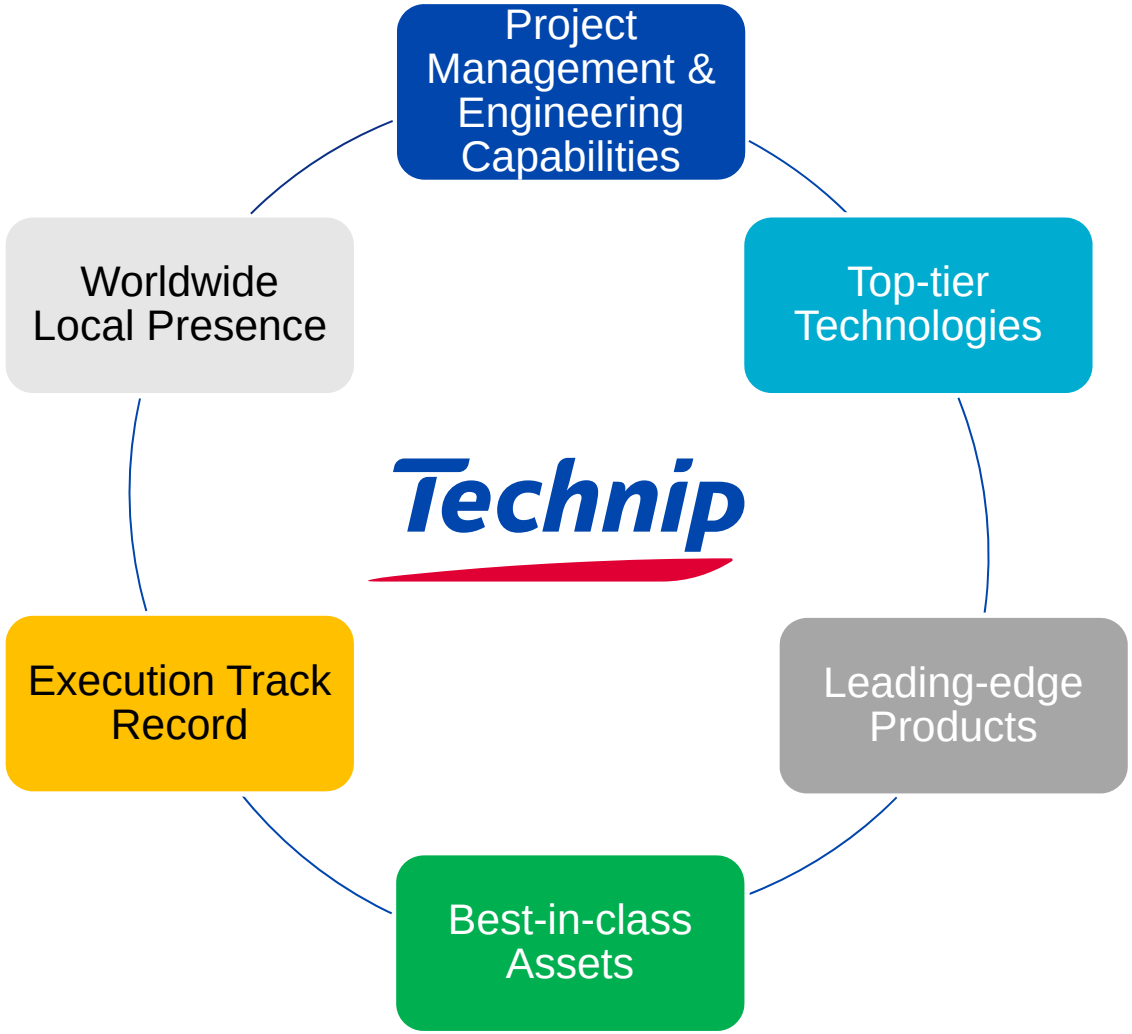
Rigid Reel-Lay & J-Lay
- 2 units
- 1 additional under construction

Rigid S-Lay and Heavy Lift
- 6 units
- 1 additional under construction

Diving & Multi Support Vessels
- 17 units

*Contingent upon finalization of Global Industries acquisition

Technip Subsea: Strong Potential for a Promising Future



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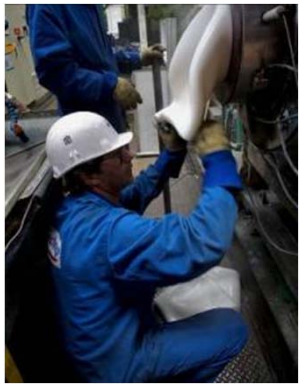
And Last but Never Least…



…People at Technip

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Thank you