Building Solutions for the Energy Industry

Jim O'Sullivan, Offshore Chief Technology Officer

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New York, December 10, 2013

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Safe Harbor

This presentation contains both historical and forward-looking statements. These forward-looking statements are not based on historical facts, but rather reflect our current expectations concerning future results and events and generally may be identified by the use of forward-looking words such as "believe", "aim", "expect", "anticipate", "intend", "foresee", "likely", "should", "planned", "may", "estimates", "potential" or other similar words. Similarly, statements that describe our objectives, plans or goals are or may be forward-looking statements. These forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to differ materially from the anticipated results, performance or achievements expressed or implied by these forward-looking statements. Risks that could cause actual results to differ materially from the results anticipated in the forward-looking statements include, among other things: our ability to successfully continue to originate and execute large services contracts, and construction and project risks generally; the level of production-related capital expenditure in the oil and gas industry as well as other industries; currency fluctuations; interest rate fluctuations; raw material, especially steel as well as maritime freight price fluctuations; the timing of development of energy resources; armed conflict or political instability in the Arabian-Persian Gulf, Africa or other regions; the strength of competition; control of costs and expenses; the reduced availability of government-sponsored export financing; losses in one or more of our large contracts; U.S. legislation relating to investments in Iran or elsewhere where we seek to do business; changes in tax legislation, rules, regulation or enforcement; intensified price pressure by our competitors; severe weather conditions; our ability to successfully keep pace with technology changes; our ability to attract and retain qualified personnel; the evolution, interpretation and uniform application and enforcement of International Financial Reporting Standards, IFRS, according to which we prepare our financial statements as of January 1, 2005; political and social stability in developing countries; competition; supply chain bottlenecks; the ability of our subcontractors to attract skilled labor; the fact that our operations may cause the discharge of hazardous substances, leading to significant environmental remediation costs; our ability to manage and mitigate logistical challenges due to underdeveloped infrastructure in some countries where we are performing projects.

Some of these risk factors are set forth and discussed in more detail in our Annual Report. Should one of these known or unknown risks materialize, or should our underlying assumptions prove incorrect, our future results could be adversely affected, causing these results to differ materially from those expressed in our forward-looking statements. These factors are not necessarily all of the important factors that could cause our actual results to differ materially from those expressed in any of our forward-looking statements. Other unknown or unpredictable factors also could have material adverse effects on our future results. The forward-looking statements included in this release are made only as of the date of this release. We cannot assure you that projected results or events will be achieved. We do not intend, and do not assume any obligation to update any industry information or forward looking information set forth in this release to reflect subsequent events or circumstances.

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Technip

A World Leader Bringing Innovative Solutions to the Energy Industry

- A world leader in project management, engineering and construction for oil & gas, chemicals and energy companies
- Revenues driven by services provided to clients Onshore/Offshore and Subsea
- Around 38,000 people in 48 countries
- 2012 Revenues: €8.2 billion; Operating margin(1) of 10% for the 4th year

(1) *From recurring activities*

Technip: Two Segments of Activity

Subsea

- **Worldwide leadership**
- **Unique vertical integration**
  - R&D
  - Design & Project Management
  - Manufacturing & Spooling
  - Installation
- **First class assets and technologies**
  - Technologically Advanced Manufacturing plants
  - High performing vessels
  - Advanced rigid & flexible pipes
  - Very broad execution capabilities

Onshore/Offshore

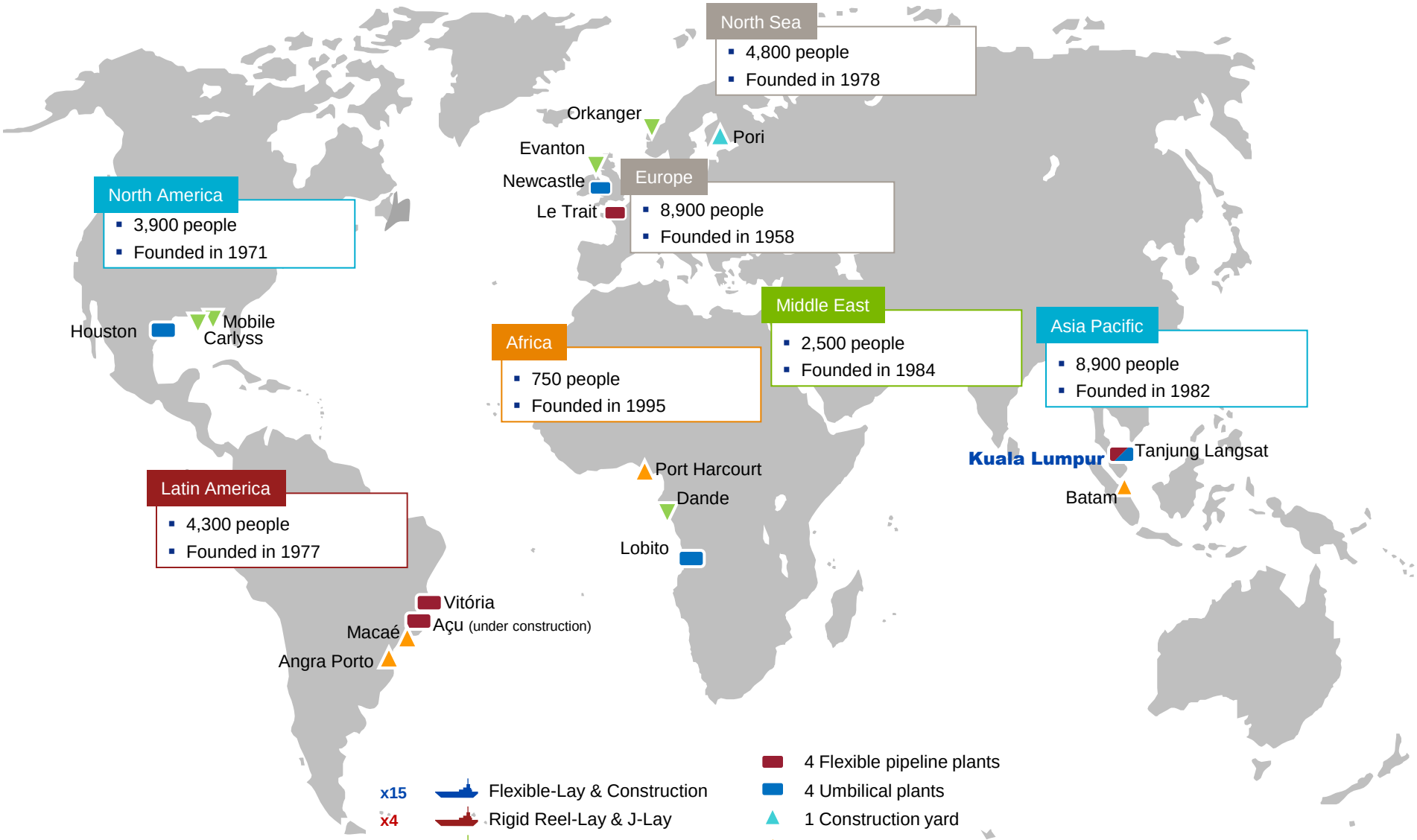
- **Proven track record with customers & business partners**
  - Engineering & construction
  - Project execution expertise
  - Early involvement through conceptual studies and FEEDs
- **Knowhow**
  - High added-value process skills
  - Proprietary platform design
  - Own technologies combined with close relationship with licensors
- **Low capital intensity**

Our Strategic Framework

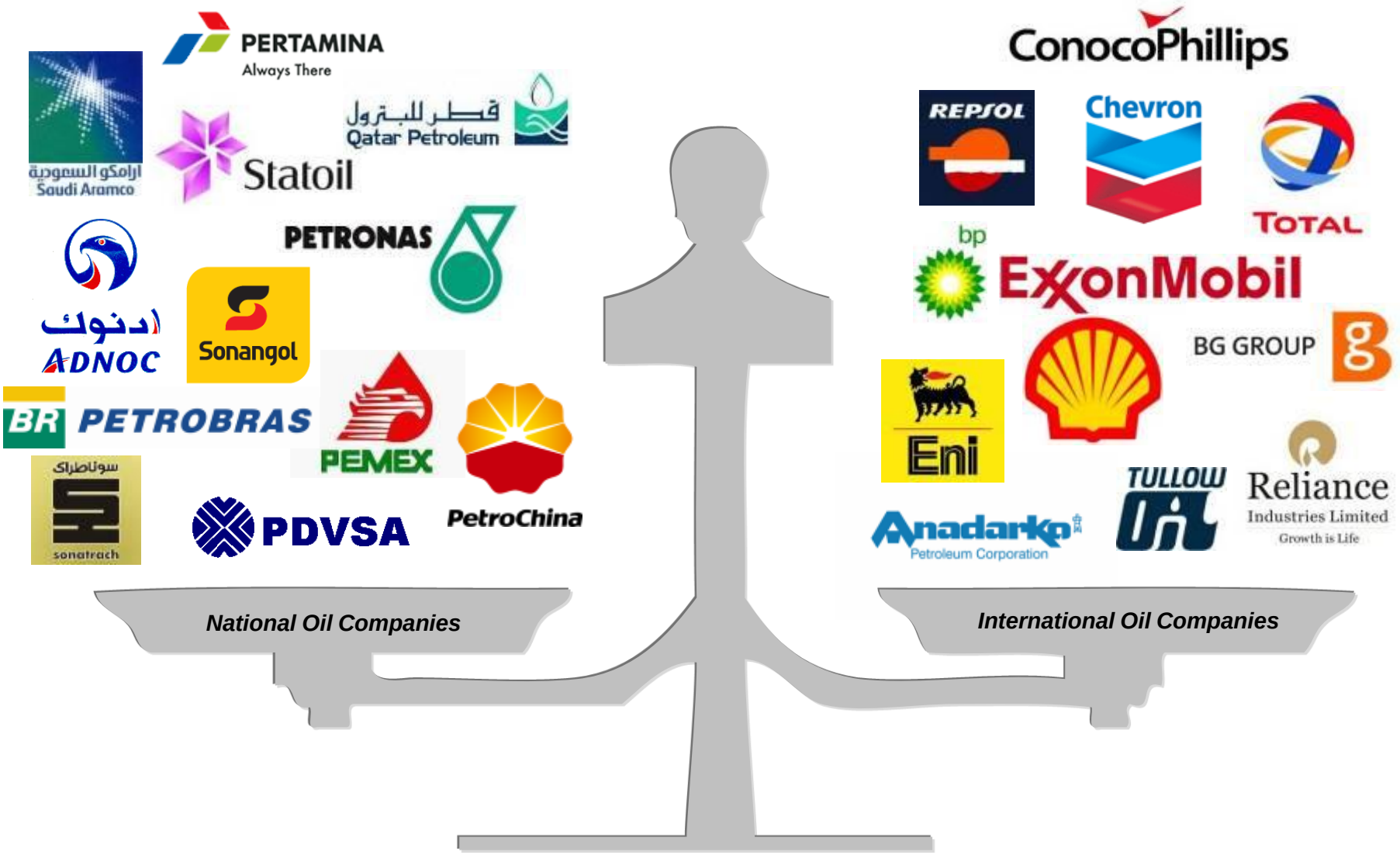
To Deliver Sustainable & Profitable Growth

- **Technology**
- **Key differentiating assets**
- **National content**
- **Well diversified, profitable backlog**
- **Vertical integration**
- **Execution capability**

Global Business with Unique Multi-Local Footprint…

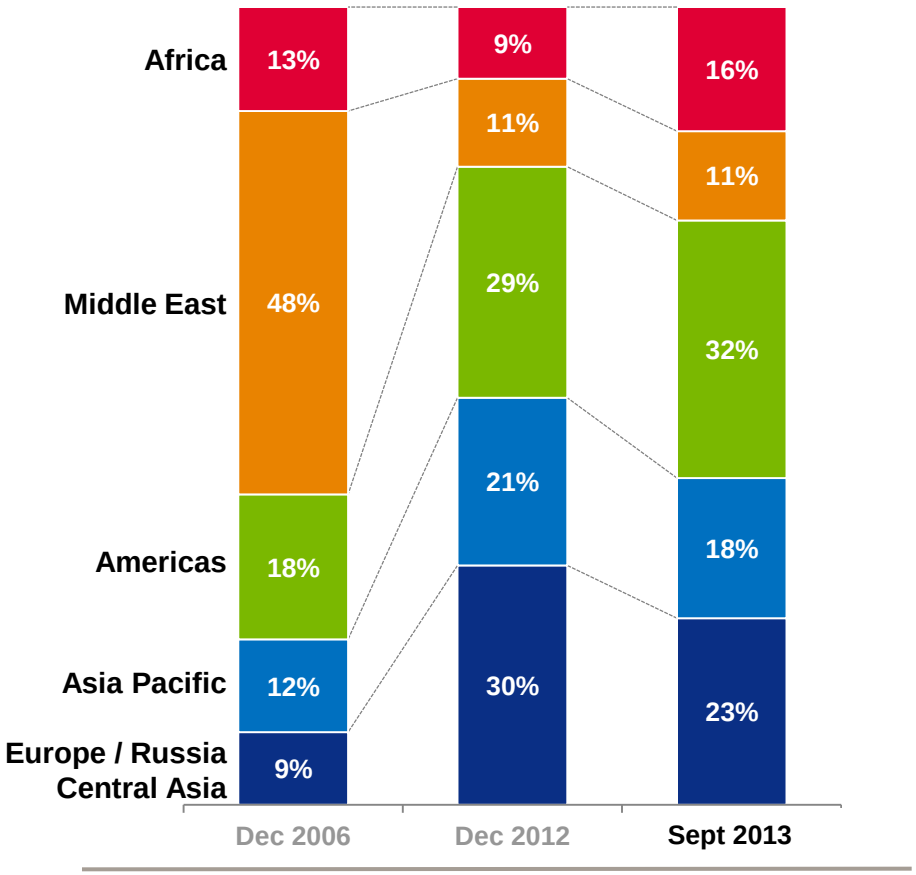


Diversified & Balanced Customer Base



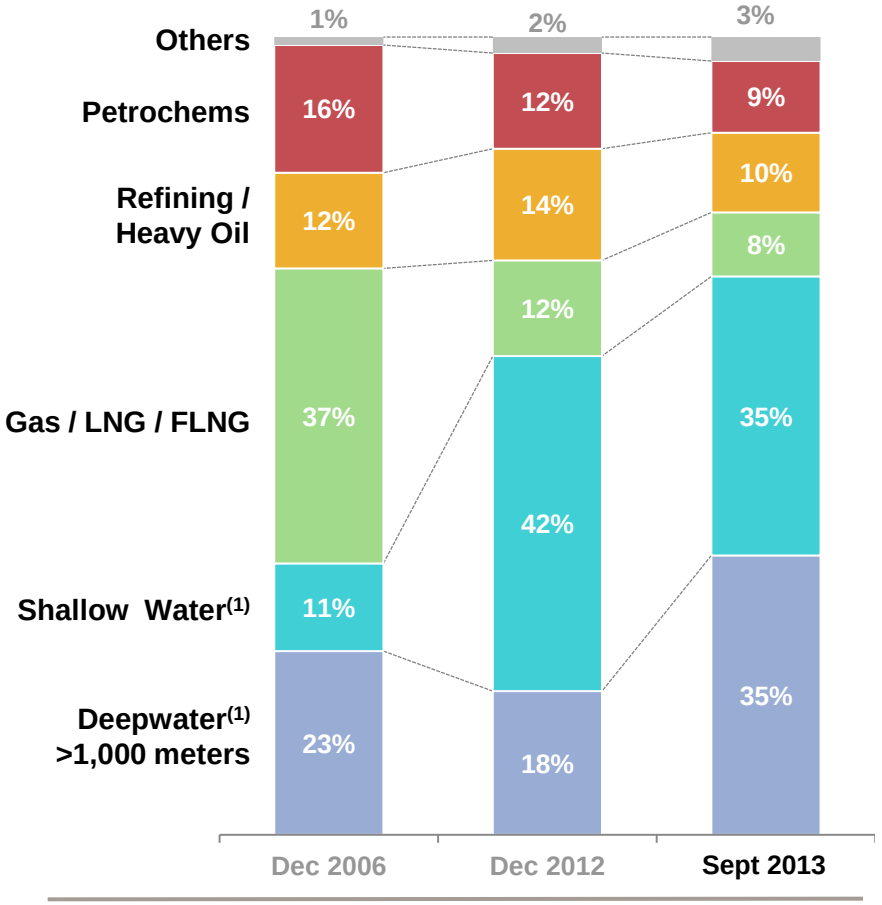
Backlog Analysis Highlights Opportunities

Backlog by Geography



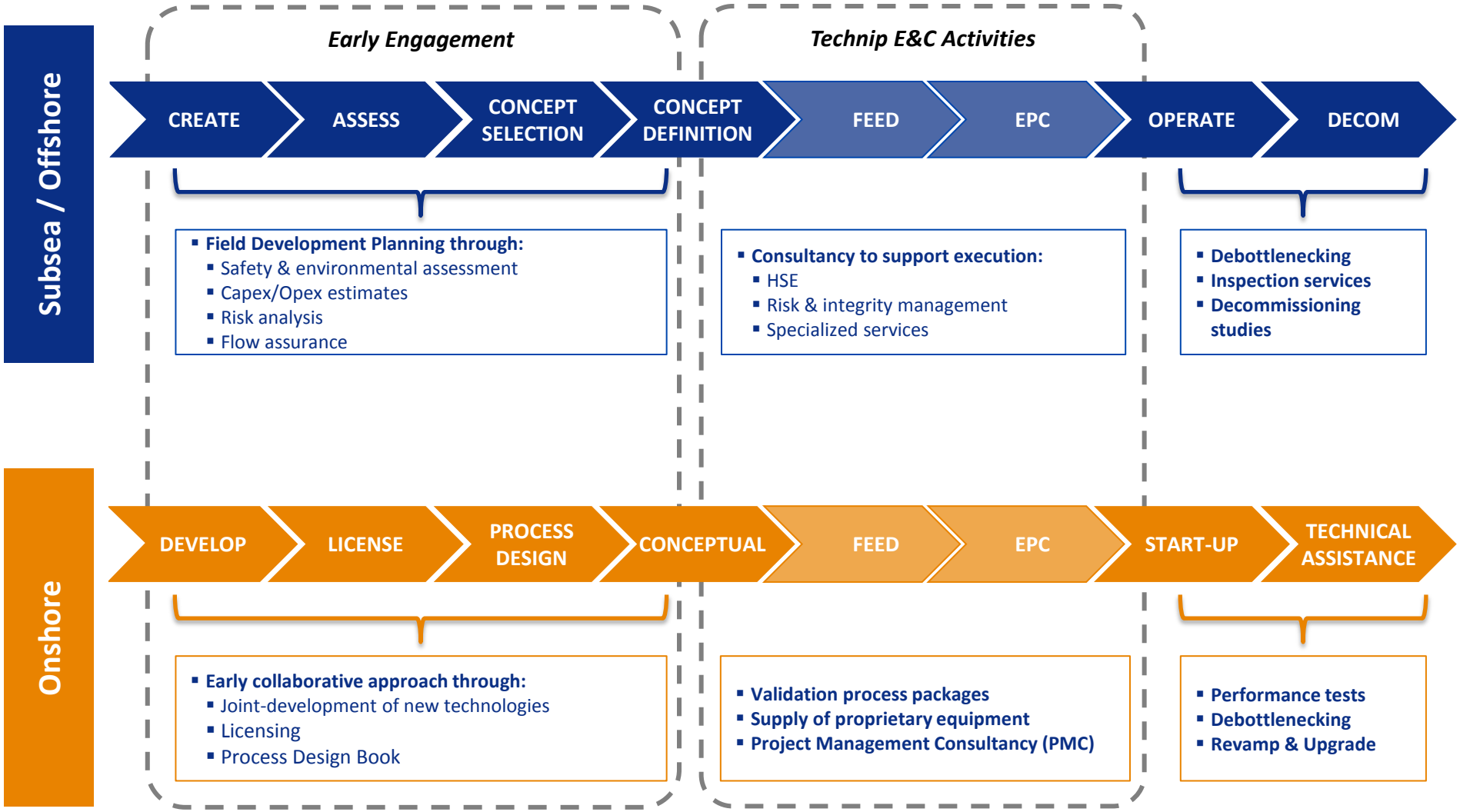
Backlog as of:
December 2006: €10.3 billion
December 2012: €14.3 billion
September 2013: €15.9 billion

Backlog by Market Split

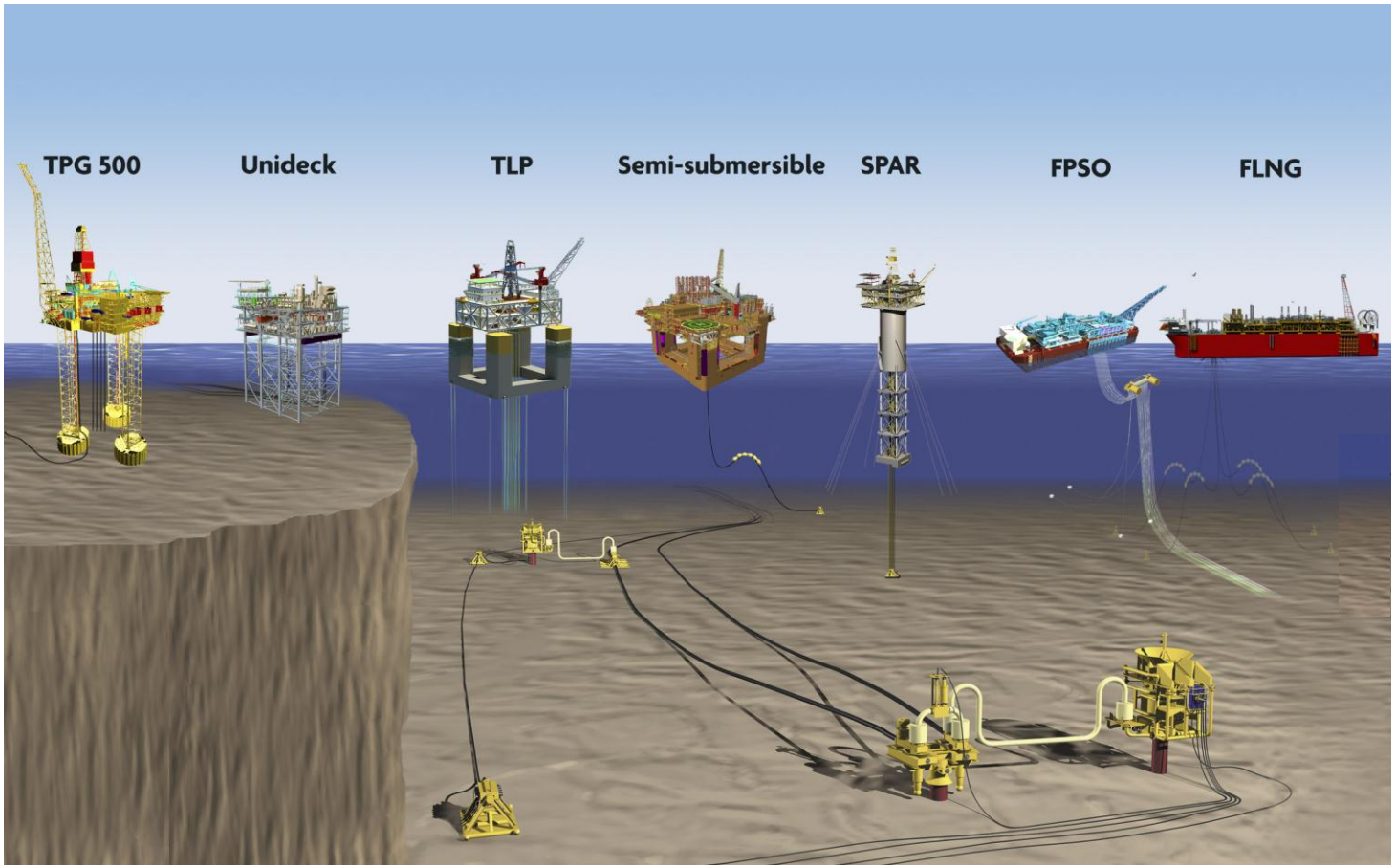


(1) Includes offshore platforms and subsea projects

Vertical Integration: Early Involvement Delivers Better Solutions for Customers



Technology: A Broad Range of Offshore Solutions



National content: Umm Lulu project NPCC & Technip

Market: Onshore & Offshore projects in the Middle East

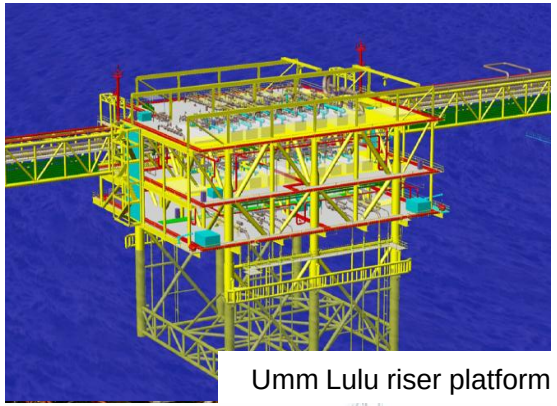
Partner: Consortium with NPCC for the construction of six platforms for Umm Lulu field

Combined strengths

Technip
- Engineering expertise
- Unique floatover method

NPCC
- Local construction capabilities
- Yard near field development

Long lasting relationship with >10 projects since 1994
- Qatar: QGII development
- United Arab Emirates
  - Satah Full field development
  - UP 750 EPC1
  - Umm Lulu platforms
  - …



Umm Lulu riser platform

Mussafah Yard

National content: Block SK316 project to MMHE & Technip

Market: Offshore field development in South Asia

Partner: Shareholder in Malaysia Marine and Heavy Engineering (MMHE)

Combined strengths

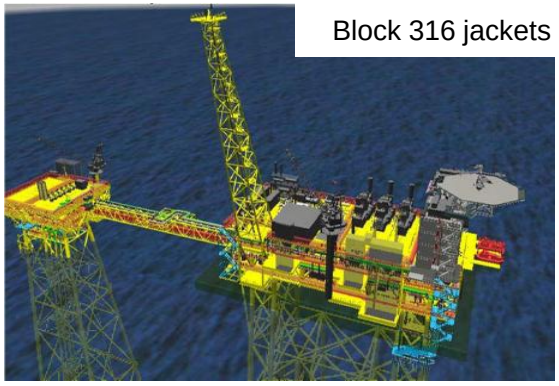
- Technip's engineering capabilities
- MMHE's Pasir Gudang yard

Key advantages

- National content
- Close to customers
- Supply chain
- Competitiveness

Achievements and recent awards

- Malikai TLP
- Kikeh SPAR
- Block SK316 platform



Block 316 jackets

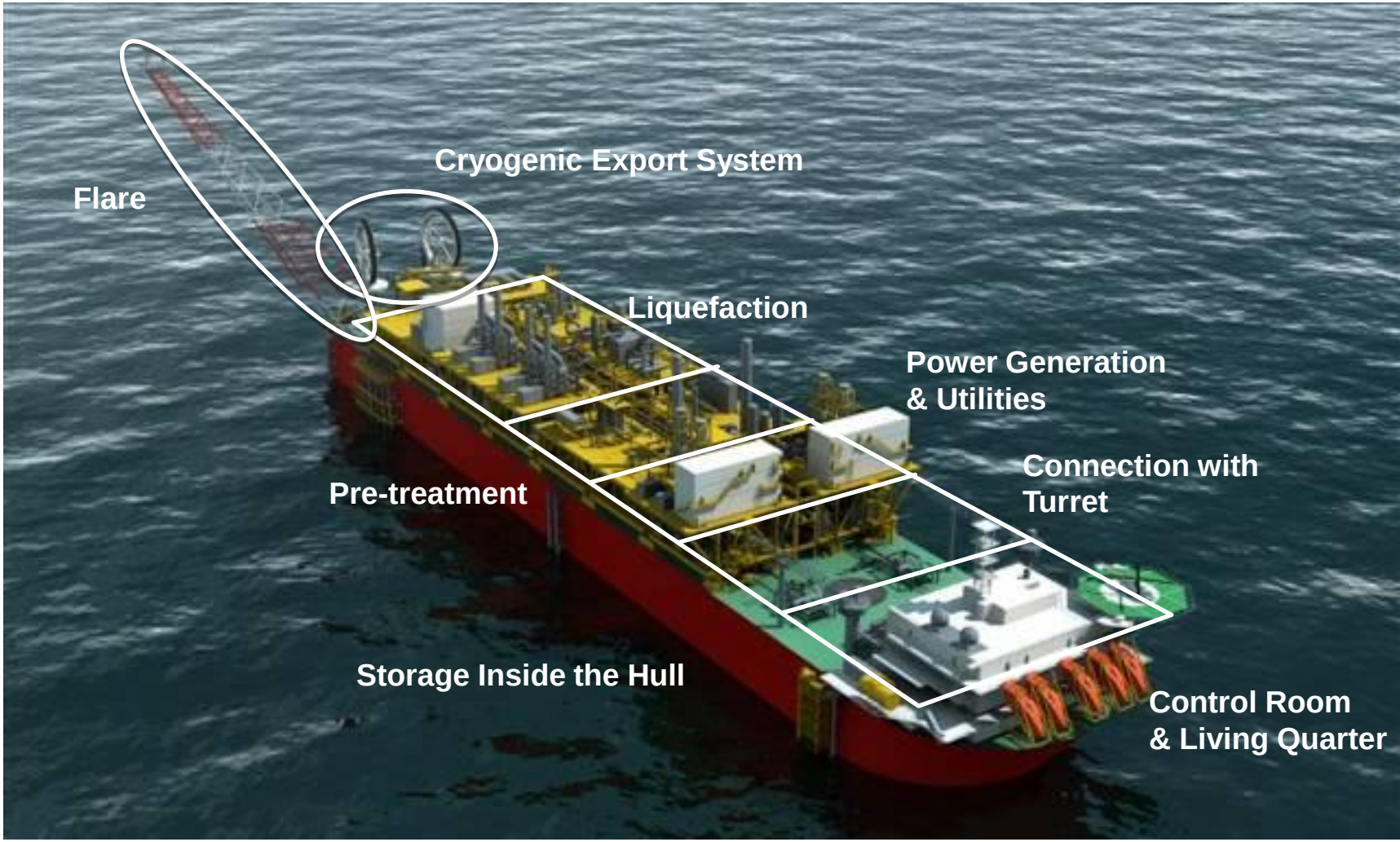
Pasir Gudang yard

National content: Early version Malikai Technip's TLP Solution

National content: Semi-Submersible Platform

A Fit for Purpose Solution: Lucius SPAR

Technology: Floating LNG Layout



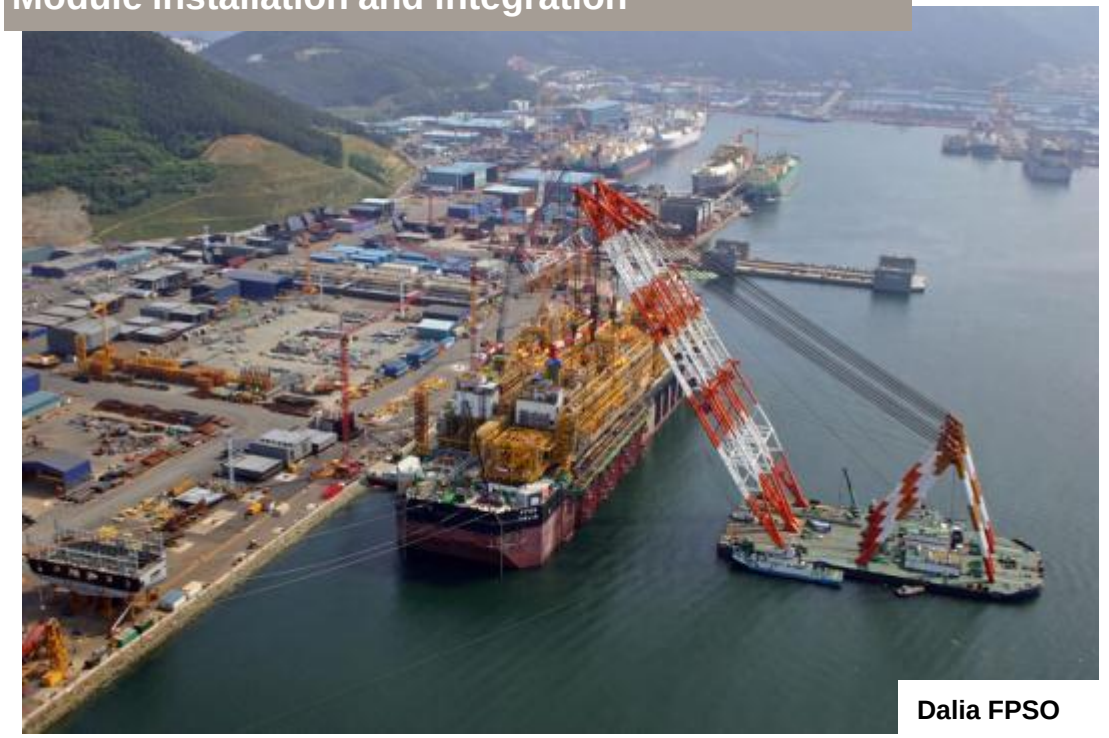
Source: 2009 Technip R&D Study

FLNG: a Combination of FPSO methods & LNG Know-how

Hull leaving dry dock

Akpo FPSO

Module installation and integration



Dalia FPSO

Offshore Platform Design: Arrival of “Big Data”

- **Use of high speed interconnected parallel computing power**
  - Texas Advanced Computing Center at University of Texas … NSF* funded
  - 10 Petaflops computing & 40 Petabytes storage … peta = 10^{15}
  - Commercially attractive for design selection & optimization
- **Outsourcing to remote data centers**
  - Capacity on demand
  - Vendors adapting new licensing practices
- **Availability of new commercial engineering software**
  - Computational Fluid Dynamics (CFD)

**NSF: National Science Foundation*

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Computational Fluid Dynamics (CFD)

- **Potential theory modelers**
  - Properly model gravity and inertial forces
  - Can only estimate viscous forces causing turbulence
  - Acceptable for modeling waves isolated from platforms
- **Computational Fluid Dynamics modelers**
  - Solve all 3 contributors to the physics of fluid mechanics
  - CFD includes realistic viscous and rotational contributors
  - Computing intensive
- **Properly predicts turbulence**
  - Vortex shedding major forcing contributor on hulls and risers
    - Example: Tension Leg Platform (TLP) in strong current causes platform to sway from Vortex Induced Motion (VIM)
  - Air/water entrainment and wave slamming
    - Example: survival design wave impacting spar

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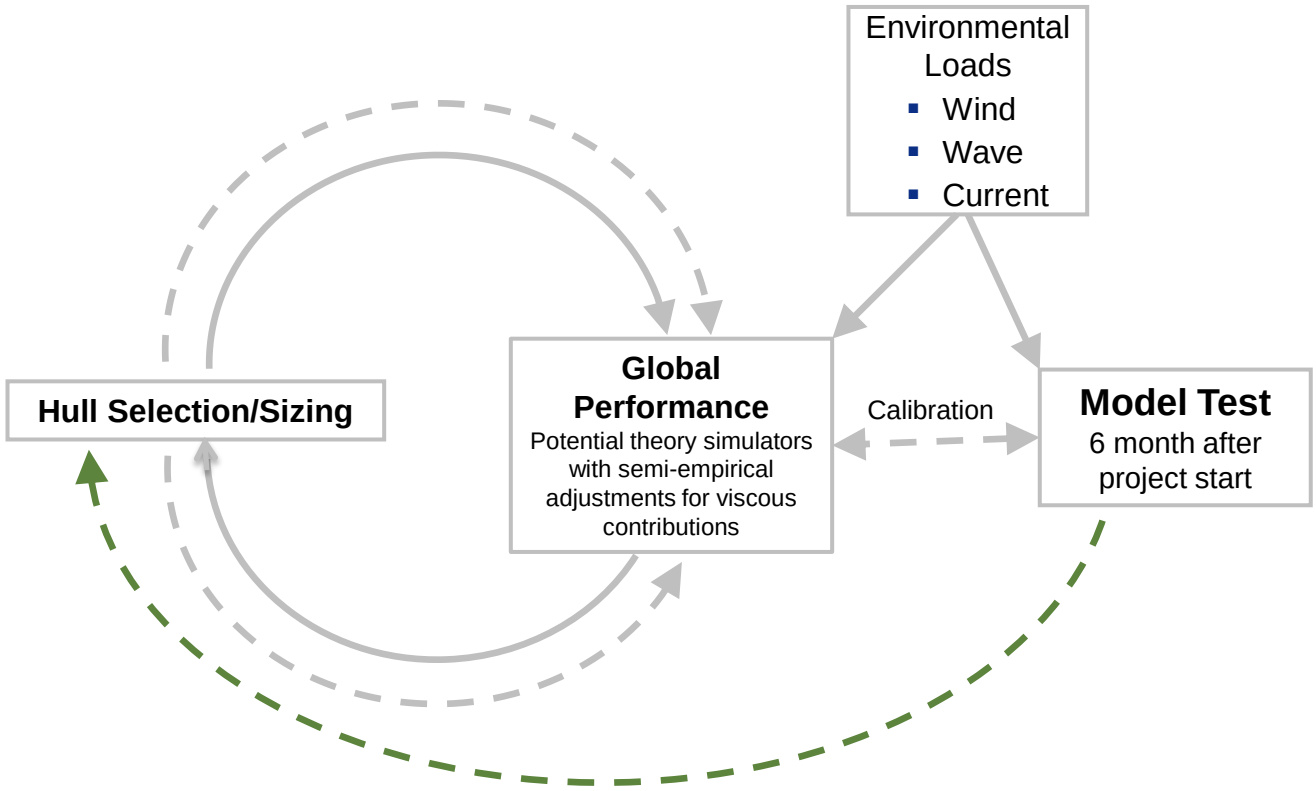
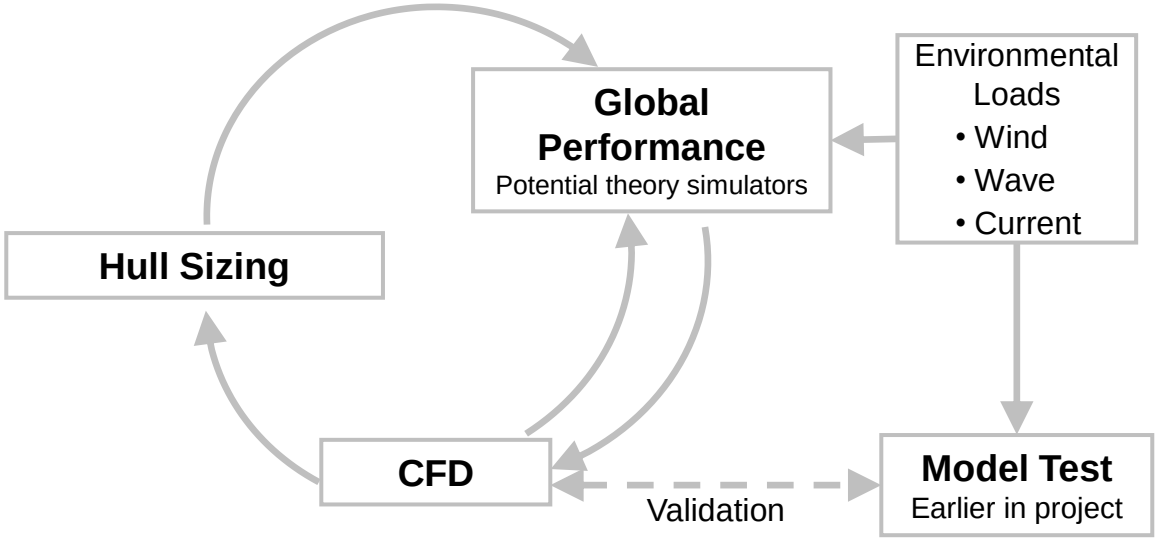
Traditional Design Spiral of Offshore Floaters



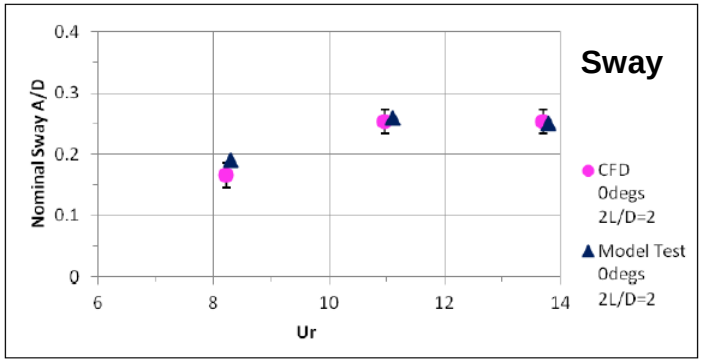
Calculated separately: air gap, green water, slamming, vortex induced motion (VIM)

CFD Designed Offshore Floaters Spiral: Faster design, higher optimization



Validation of Vortex Induced Motion (VIM)

- **Vortices shed from the column legs**
  - Function of viscous effects in flow
  - Sway motion effects risers
- **Use CFD to create Numerical Wave Tank**
  - Model basin scale typically 1/50
  - CFD predicts model results … 98% correlation
  - Simulation for 40 sway cycles: 4 hrs with 320 cores (Model Scale)



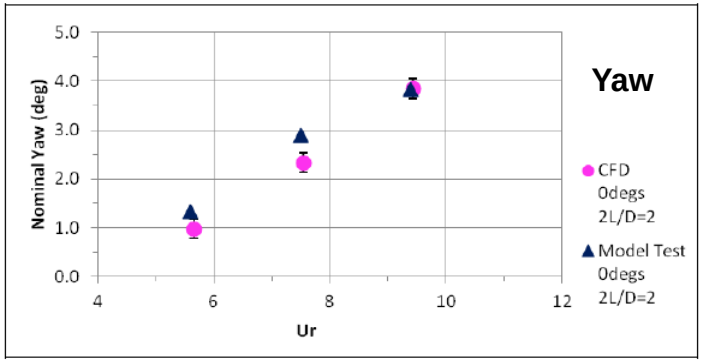
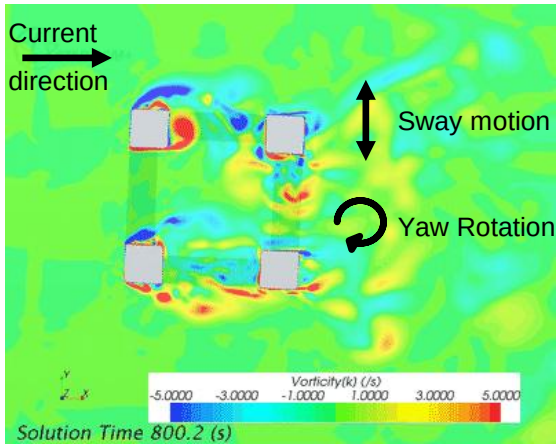


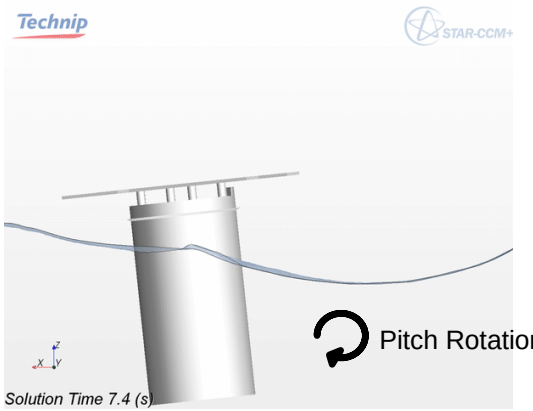
Figure 15. Nominal Sway and Nominal Yaw VIM Responses for 0 degree Heading, 2*L/D=2



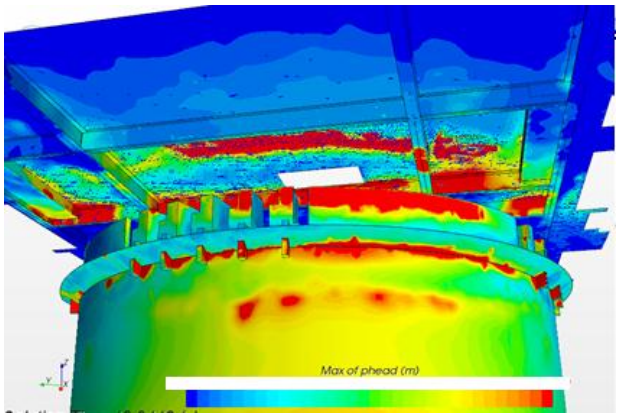
Plan view of vortex shedding from TLP in current

Airgap, Greenwater, Slamming Simulation

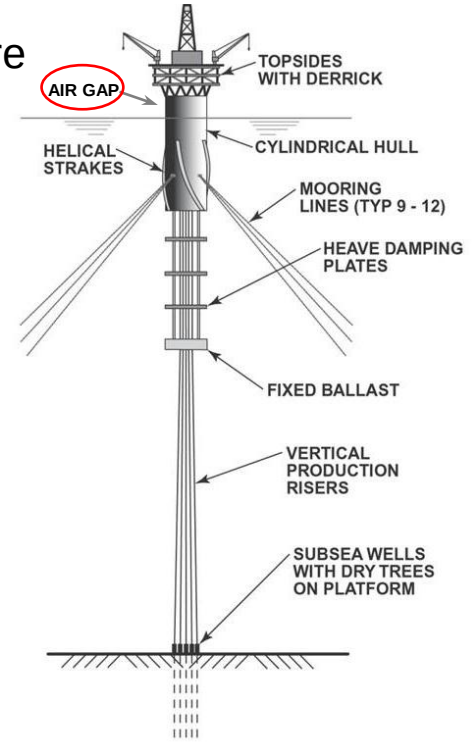
- **Extreme wave event simulation**
  - Ultimate survival conditions
  - Difficult to model test in basins: extreme waves
  - CFD can model fluid behavior and pressure forces on structure
- **CFD predicts fluid behavior and impact forces**
  - Water impact on hull and deck structures
  - Example: Spar in 10,000 year wave event



Extreme wave impact on Spar

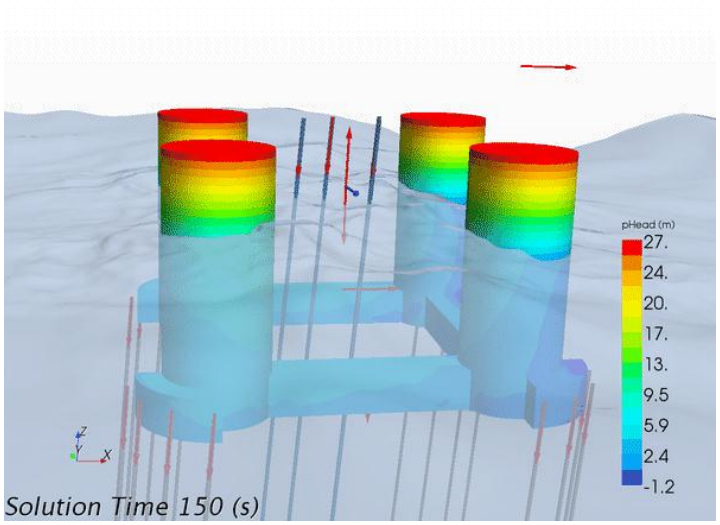


Slamming impact loads on Spar

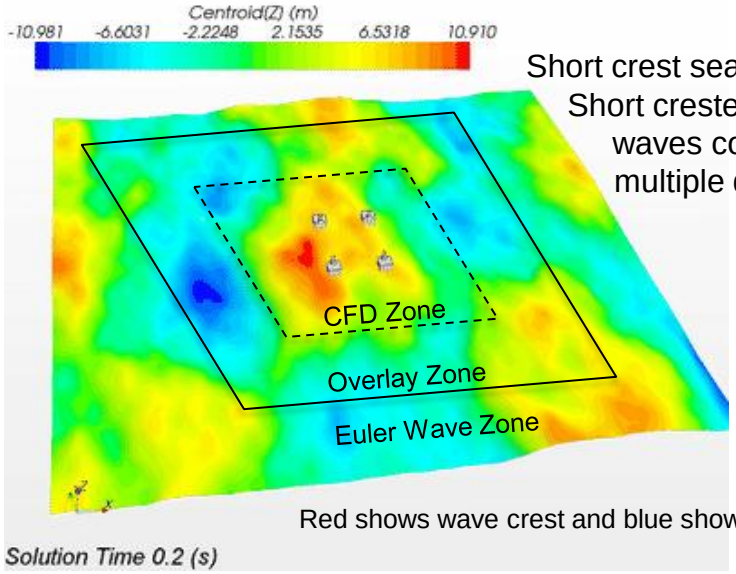


Profile of spar

Numerical Wave Tank (NWT)



TLP in Numerical Wave Tank



Short crest sea in NWT. Short crested means waves come from multiple direction.

Red shows wave crest and blue shows wave troughs

- **Confines CFD definition to immediate structure**
  - Outer area uses simpler potential theory
  - Savings on computer usage
- **Simulates model basin experience**
  - Can model the model
    - Validates the simulation model
  - Can then model full scale open sea
- **Breakthroughs that made NWT a Practical Design Tool**
  - Free-surface CFD tools: air/water model
  - Euler Overlay Method: potential theory (Euler) dynamic boundary condition
  - Cloud super cluster computing

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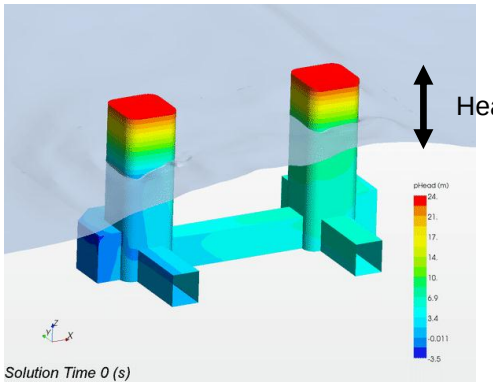
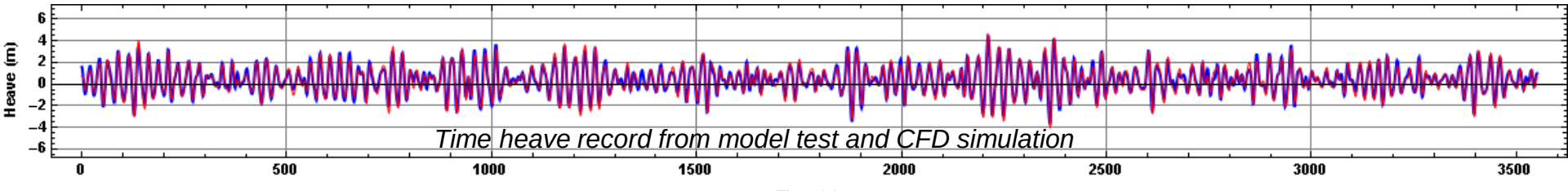
Global Performance of New Generation Hull

- **New generation semi hull: riser friendly**
  - Main purpose of hull is to support risers
  - Both strength and fatigue designs
- **CFD creates Numerical Wave Tank**
  - 1 hour simulated real time
  - 17 hours computer time with 320 cores

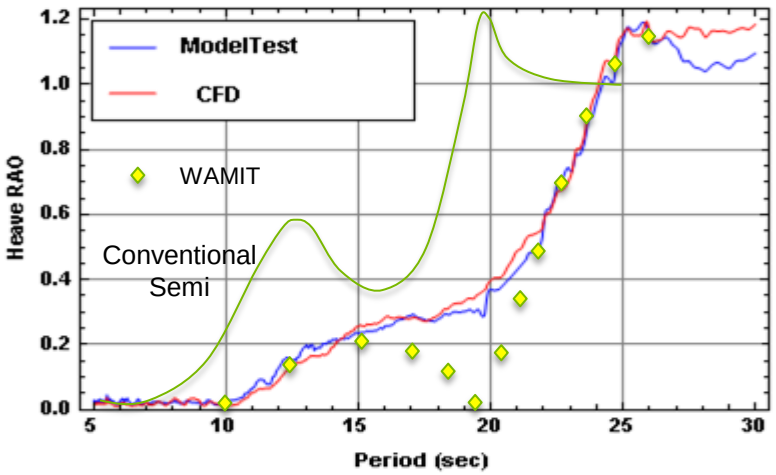


Technip's new semisubmersible hull
(half of hull shown)



Time heave record from model test and CFD simulation

Response Amplitude Operator (RAO) is the ratio of the selected motion to the wave height. Shown here is heave RAO, or the ratio of the heave height to wave height. At RAO = 1, the vessel and the wave are moving together.



Offshore Technology Development Benefits

- **Most advanced computing and engineering systems lead to:**
  - Facilitates innovative offshore solutions
    - Ability to validate performance of innovations
    - Differentiates technological offerings
  - Greater design certainty and more accurate risk assessment
    - Less reliance on conservatism
    - More cost efficient solutions
  - Improves ability to make late design changes
    - While minimizing cost consequences, and
    - While maintaining design safety
  - Customers recognize Technip's technology leadership
    - Come with early design issues that open follow through possibilities
    - Technip becomes involved in joint technology development and strengthen key relationships with decision stakeholders

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Annex

2013 Operational & Financial Highlights

Third Quarter 2013 Main Elements

Financials

- **Revenue** grew by 15.6%[(1)], to €2.4 billion
- **Group Operating margin[(2)]** at 9.2%
- **Net income** grew 1.9%[(1)], to €150 million
- **EPS[(3)]** grew 1.6%[(1)], to €1.24
- €15.9 billion **backlog**, with €3.1 billion **order intake**

Recent project awards

- Award of 4 new **PLSVs on charter** for Petrobras, 50/50 JV with DOF
- **Stones, US Gulf of Mexico:** Supply & Installation at 2,900 meter depth
- **Polyethylene plant, Texas:** Engineering & Procurement scope
- **Umm Lulu, Abu Dhabi:** major offshore development with EPCI scope

(1) year-on-year
(2) from recurring activities
(3) diluted Earning Per Share: 125,466,978 outstanding shares

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Full Year 2013 Objectives Revised: Main Elements

- Good performance in Onshore/Offshore
- Foreign Exchange translation impact on revenue and profit weighted to Subsea
- Successful subsea operations in North Sea, Canada, Brazil and Asia Pacific
- Gulf of Mexico projects pushed out to fourth quarter
- Fourth quarter Gulf of Mexico: a busier schedule than planned and new vessel (Deep Energy)

Third Quarter 2013: Improving Cash Flow

€ million	3 Months	9 Months
Net Cash beginning of period	**(271.2)**	**183.2**
Cash Generated from / (Used in) Operations	238.9	711.7
Change in Working Capital Requirements	165.2	(265)
Capital Expenditures	(175.0)	(456.5)
Dividends paid	-	(186.0)
Other including FX Impacts	(12.9)	(42.4)
Net Cash Position as of September 30, 2013	**(55.0)**	**(55.0)**

- **Year-to-date cash generated from operations and 8.4% in line with operating income and net income**
- **Quarterly working capital is positive as expected - we anticipate trend will continue**
- **Capex 3Q includes €15 million for new PLSVs, €9 million in 4Q**
- **Capex full year will exceed €570 million versus €520 million initially estimated**

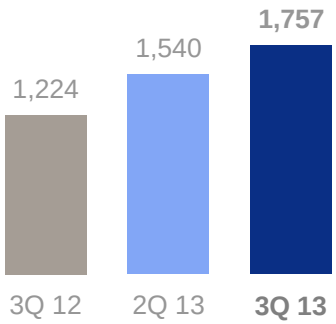
Third Quarter Order Intake

€ million

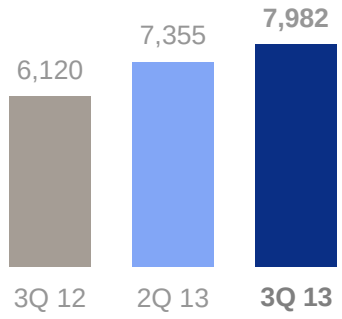
Subsea

- Stones, Shell, US Gulf of Mexico
- High-end flexible riser supply, Statoil, Norway
- Delta House, LLOG, US Gulf of Mexico
- 4 PLSV, 50/50 JV with DOF, Petrobras, Brazil
  - 300 ton top tension to be built in Brazil
  - 650 ton top tension to be built in Norway

Order intake



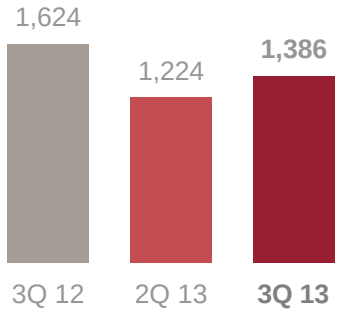
Backlog



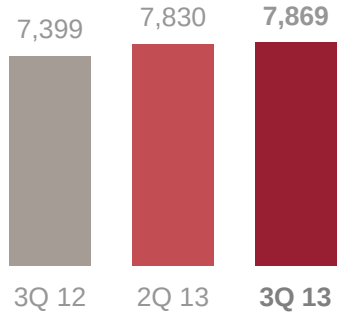
Onshore/Offshore

- Polyethylene plant, CP Chem, Texas, USA
- Ethane cracker FEED, Sasol, Louisiana, USA
- Hydrogen plant, NCRA, Kansas, USA
- Umm Lulu package 2, Adma-Opco, Abu Dhabi
- FMB platforms, Qatar Petroleum, Qatar
- Offshore project services, Petrobras, Brazil

Order intake



Backlog



Third Quarter Subsea Operations

€ million

2013 offshore operations on-going

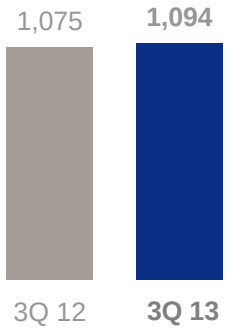
- **Busy offshore campaign in Gulf of Mexico**
  William Tubular Bells
  Jack and Saint Malo
  Walker Ridge Gathering System
- **Good progress in North Sea Canada with favorable weather**
  Golden Eagle, Scotland
  South White Rose Extension, Canada
  Norne, Norway

Vessel utilization rate: 75%

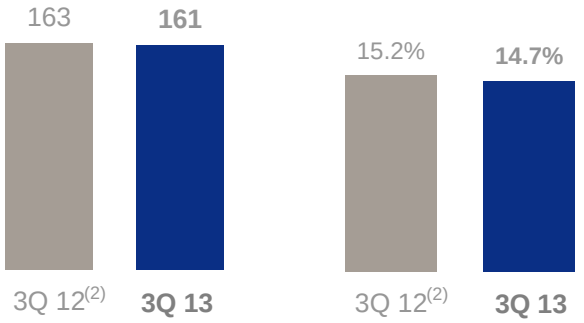
Other impacts:

- **Appreciation of Euro versus notably GBP, NOK, BRL**
- **Accelerated depreciation**
- **Push out of operations in the Gulf of Mexico**

Revenue



Operating Income & Margin(1)



(1) *from recurring activities*
(2) *restated*

Third Quarter Onshore/Offshore Operations

Upstream

- Malikai TLP, Malaysia
- Upper Zakum EPC 1, Abu Dhabi
- Heidelberg Spar, US Gulf of Mexico
- Aasta Hansteen Spar, Norway
- Martin Linge, Norway

Gas, LNG & FLNG

- Yamal LNG, Russia
- Prelude FLNG, Australia
- Petronas FLNG, Malaysia

Refining

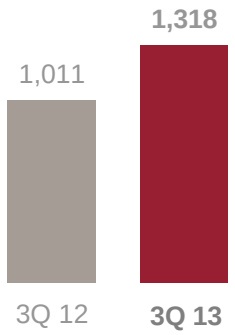
- Burgas refinery, Bulgaria
- Sulfur recovery unit, Bahrain
- Algiers refinery, Algeria

Petrochemicals

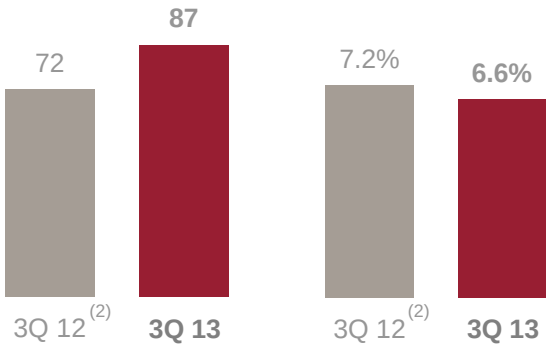
- Etileno XXI, Mexico
- Nova Polyethylene plant, Canada
- Westlake Ethylene plant upgrade, USA

€ million

Revenue

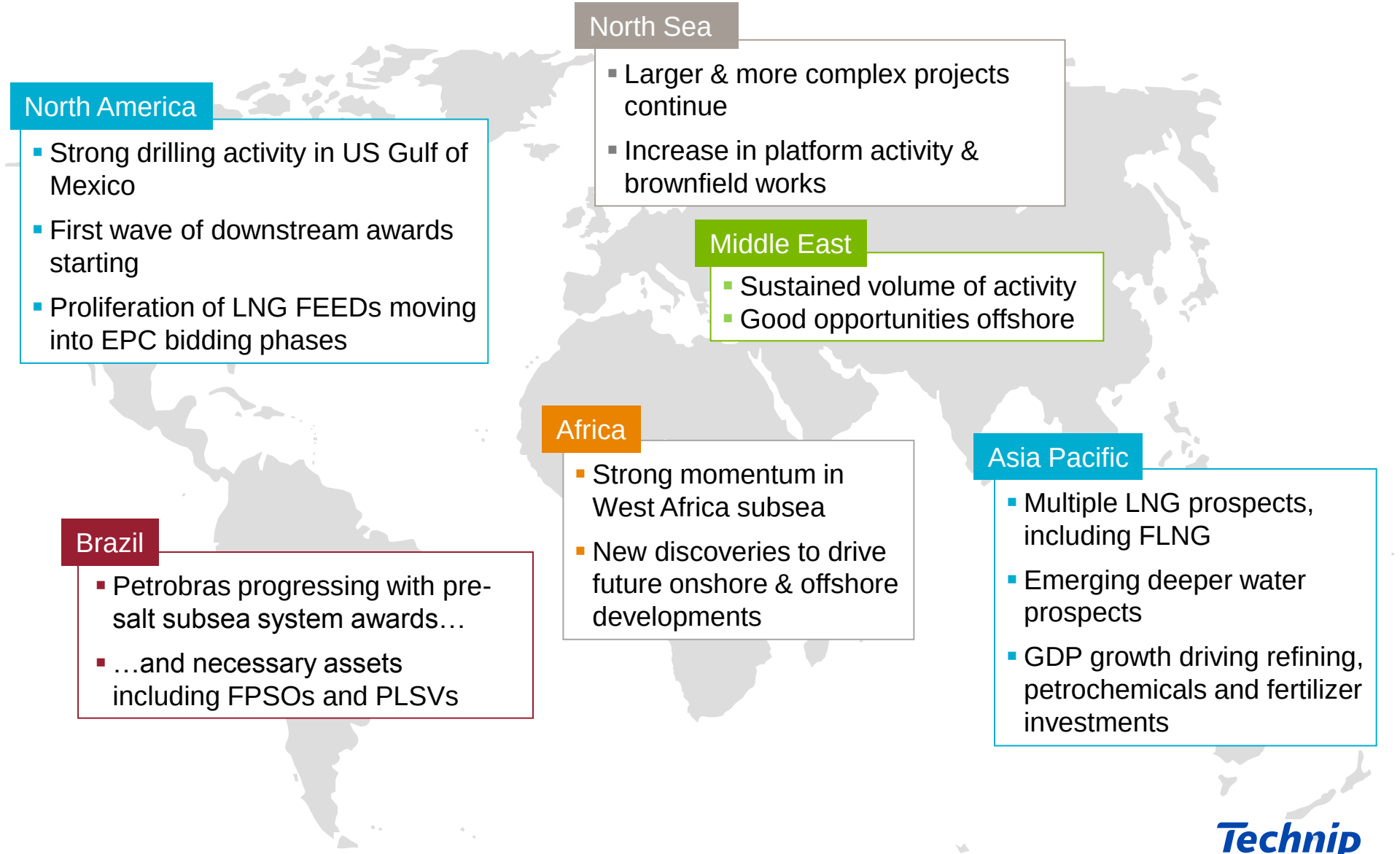


Operating Income & Margin(1)



(1) *from recurring activities*
(2) *restated*

Business Environment



North Sea

- Larger & more complex projects continue
- Increase in platform activity & brownfield works

North America

- Strong drilling activity in US Gulf of Mexico
- First wave of downstream awards starting
- Proliferation of LNG FEEDs moving into EPC bidding phases

Middle East

- Sustained volume of activity
- Good opportunities offshore

Africa

- Strong momentum in West Africa subsea
- New discoveries to drive future onshore & offshore developments

Asia Pacific

- Multiple LNG prospects, including FLNG
- Emerging deeper water prospects
- GDP growth driving refining, petrochemicals and fertilizer investments

Brazil

- Petrobras progressing with pre-salt subsea system awards…
- …and necessary assets including FPSOs and PLSVs

Backlog Visibility[(1)]

€ million	Subsea	Onshore / Offshore	Group
2013 (3 months)	1,014	1,385	2,399
2014	2,978	3,766	6,744
2015 and beyond	3,990	2,718	6,708
Total	**7,982**	**7,869**	**15,851**

(1) Backlog estimated scheduling as of September 30, 2013

Backlog Diversification by Contract Size

Subsea

- **€8.0 billion backlog**
- **Moho Nord / PLSVs added over €1 billion, our largest projects**
- **Next largest projects:**
  - Iracema Sul, Brazil
  - Stones, US Gulf of Mexico
  - Quad 204, UK
- **~ 15 projects in €100 - 500 million**
- **~35 projects in €10 - 100 million**

Onshore & Offshore

- **€7.9 billion backlog**
- **Largest projects:**
  - Prelude FLNG, Australia
  - Etileno XXI, Mexico
  - Martin Linge, Norway
- **~20 projects in €100 - 600 million**
- **Over 50 projects in €10 - 100 million**

Looking Ahead to 2014: Main Elements

- Onshore/Offshore: expect to start 2014 in line with long term target margin
- Less start-up cost for new assets compared to 2013
- Positive contribution from multi-year Subsea projects
- Schedule of new large subsea awards (including T.E.N.)
- First orders for new flexible pipe plant at Açu
- Accelerated vessel maintenance and enhancements
- Final close out of current Gulf of Mexico projects

Key Developments & Outlook

Long Term Partnership with Huanqiu

Market: Chinese and European procurement

Partner: China Huanqiu Contracting & Engineering Corporation (HQC), over 25 years of cooperation

Combined strengths

- Extensive engineering & procurement experience in the Oil & Gas sector
- Local market intelligence
- Effective leverage with local suppliers

Key advantages

- Enhance competitiveness in bidding by new equipment sourcing opportunities
- Broaden access to local suppliers
- Know how and procurement expertise

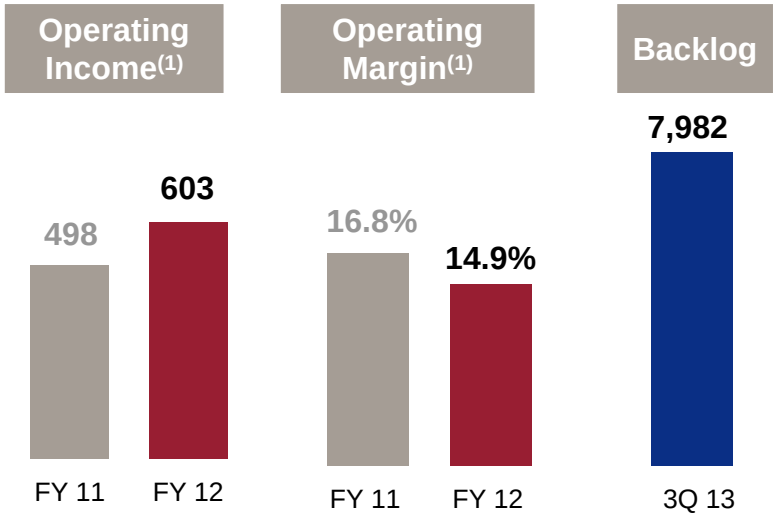
Recent awards

- Pacific Northwest LNG FEED
- Tianjin Refinery FEED

Two Complementary Business Models Driving Financial Structure and Performance

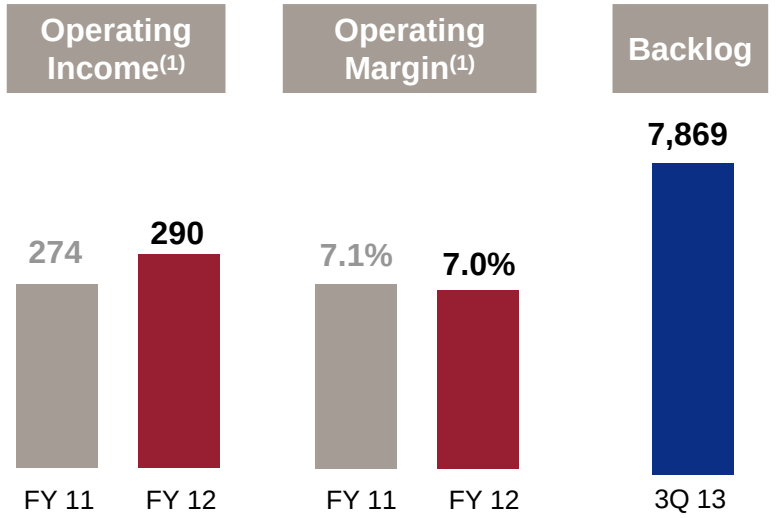
€ million

Subsea



- Capital intensive: fleet and manufacturing units
- Vertical integration from engineering to manufacturing & construction

Onshore/Offshore



- Negative capital employed: low fixed assets
- High degree of outsourcing & sub-contracting

(1) from recurring activities

Technip

New Asset Delivery in 2013: Deep Energy

- Supports subsea developments in ultra deep waters (down to 3,000 m)
- Variety of cranes and winches to support operations in multiple environments
- 2 x 3,000 m work-class ROVs(1)
- PLET handling system delivers In-Line Trees, Riser Base Gas Lift Skids, and Riser Hang Off Flex Joints
- Handles rigid pipes up to 18”, flexible pipes up to 24” and umbilicals in water depths up to 3,000 m

Deep Energy (2)

One of the largest and fastest pipelay vessels ever built

(1) ROV: Remotely operated vehicle
(2) Length: 194,5 meters, Speed: 20 knots, Accomodation: 140 people

Technip

New Asset Delivery in 2013: Deep Orient

- Capable of laying flexible pipe & umbilicals in water down to 2,300 m
- Designed to remain stable in a range of loaded conditions, maximizing workability and that of the crane
- 2 work class ROVs(1)
- 250 T active heave-compensated / constant tension crane enables the vessel to lift and install with pin-point accuracy
- Large deck space (>1,900 m^2) for operations in remote locations

Deep Orient (2)

Ideal for subsea construction and long distance flexible pipelay projects in remote locations

(1) ROV: Remotely operated vehicle
(2) Length: 135,65 meters, Speed: 13 knots, Accomodation: 120 people

Technip

New Asset Delivery in 2013: Açu Plant

- High-end flexible manufacturing plant dedicated to pre-salt development
- High-tech large diameter flexible pipes
- 3,000 meters water depth for new frontiers
- Expanding Brazil's national content
- Initial start-up at end of 2013
- Plant construction & machinery delivery on-going and on time
- >150 employees gaining experience at Vitória

Açu plant in Brazil

Investing in Key Differentiating Assets: Long Term Charter Flexible Pipe Lay Vessels

4 Flexible Pipe Lay Vessels to be built by the Technip/DOF JV

World's largest: two 650 ton to be built in Norway(1)

National content: two 300 ton to be built in Brazil(1)

(1) laying capacities

Onshore/Offshore Key Markets

Onshore Downstream Unique Position

Petrochemical & Ethylene

Refining

LNG & GTL

Fertilizer

Expertise in Full Range of Offshore Facilities

Floating LNG

Spar

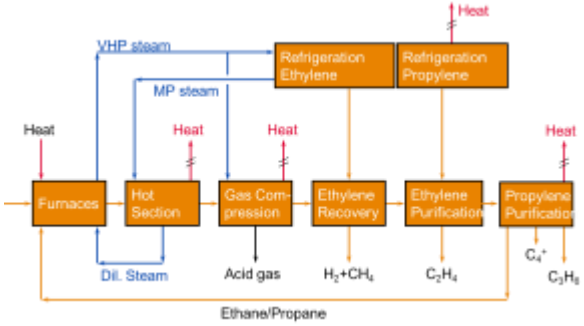
Fixed platform

FPSO

Technology Strength Diversifies Our Revenue

Process Technologies

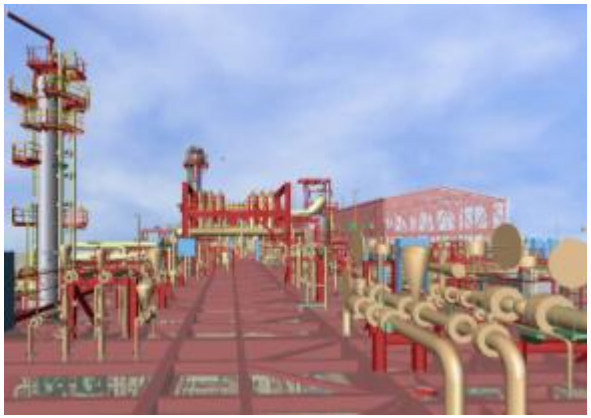
Licenses



- Licensed proprietary technologies chosen at early stage of projects

<US$5 million*

Process Design / Engineering



- Process design packages / engineering to guarantee plant performance
- Assistance to plant start-up and follow-up during plant production

<US$50 million*

Proprietary Equipment

- Design, supply and installation of critical proprietary equipment

~US$50 million*

* Project size order of magnitude

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Technip Stone & Webster Process Technology Leading Position in Growing Markets

	Strong Track Record	Recent Key Projects
S&W Ethylene	▪ ~35% installed capacities with ~120 references ▪ ~25% of licensing over the past 10 years	▪ CP Chem cracker, USA ▪ Braskem Comperj petrochemical complex, Brazil
Technip Ethylene	▪ ~25% of installed capacities over the past 10 years including 7 EPC	▪ Braskem / Idesa Ethylene XXI, Mexico ▪ Reliance cracker, India
Petrochemicals	▪ Leading position around key proprietary technologies(1) through Badger JV	▪ EBSM(1): El Dekila Egyptian Polystyrene Prod. Co., Egypt ▪ Cumene: Lihuayi Weiyuan Chemical Co. Ltd., China
GTL	▪ Strong track-record and technology partnership with Sasol	▪ Sasol Uzbekistan GTL, Uzbekistan ▪ Sasol Oryx plant, Qatar
Refining	▪ Resid FCC(2): world leader, >75 references ▪ DCC(2): unrivalled performance, >10 references	▪ Resid FCC(2): Takreer, UAE ▪ DCC(2): Petro-Rabigh, Saudi Arabia & IRPC, Thailand
Hydrogen	▪ World leader with ~40% market share, inc. alliance with Air Products, >240 references	▪ McKee & Memphis refineries, USA ▪ Petrochina Chengdu refinery, China

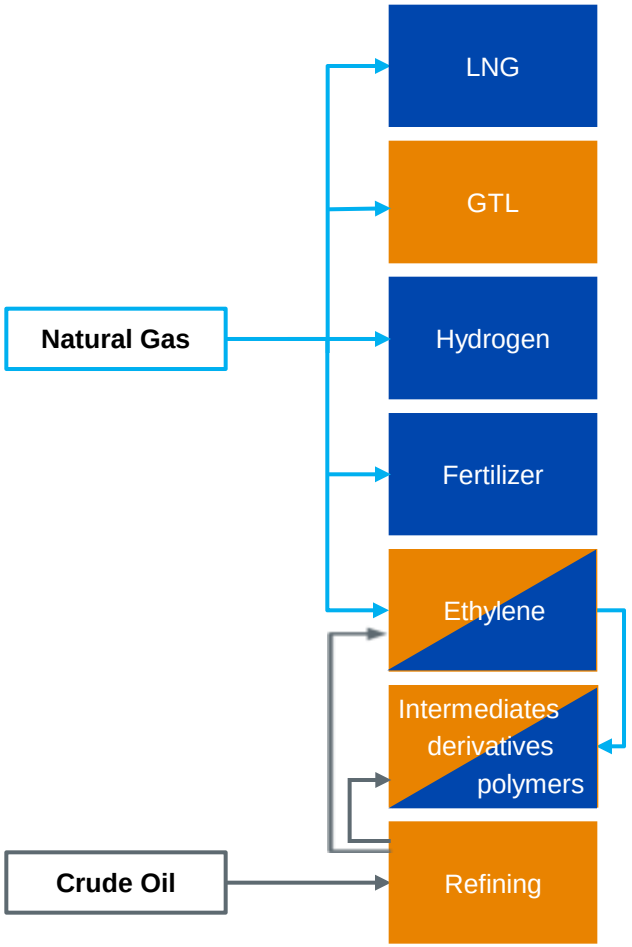
(1) Ethylbenzene / Styrene Monomer (EBSM), Cumene, Bisphenol A (BPA)

(2) RFCC: Resid Fluid Catalytic Cracking. DCC: Deep Catalytic Cracking

Technip

Technology: Enhanced Portfolio of Onshore Processes

Business Domains



Technologies and Skills

- Cryogenic separation
- Cooperation with **Air Products** and Chemicals, Inc. (APCI)

- Exclusive co-developer of **Sasol Fischer Tropsch** reactor technology

- Steam reformer proprietary technology
- Alliance with **Air Products**

- Ammonia technology licensing cooperation with **Haldor Topsoe**

- Complementary proprietary technologies with different clients & geographic bases

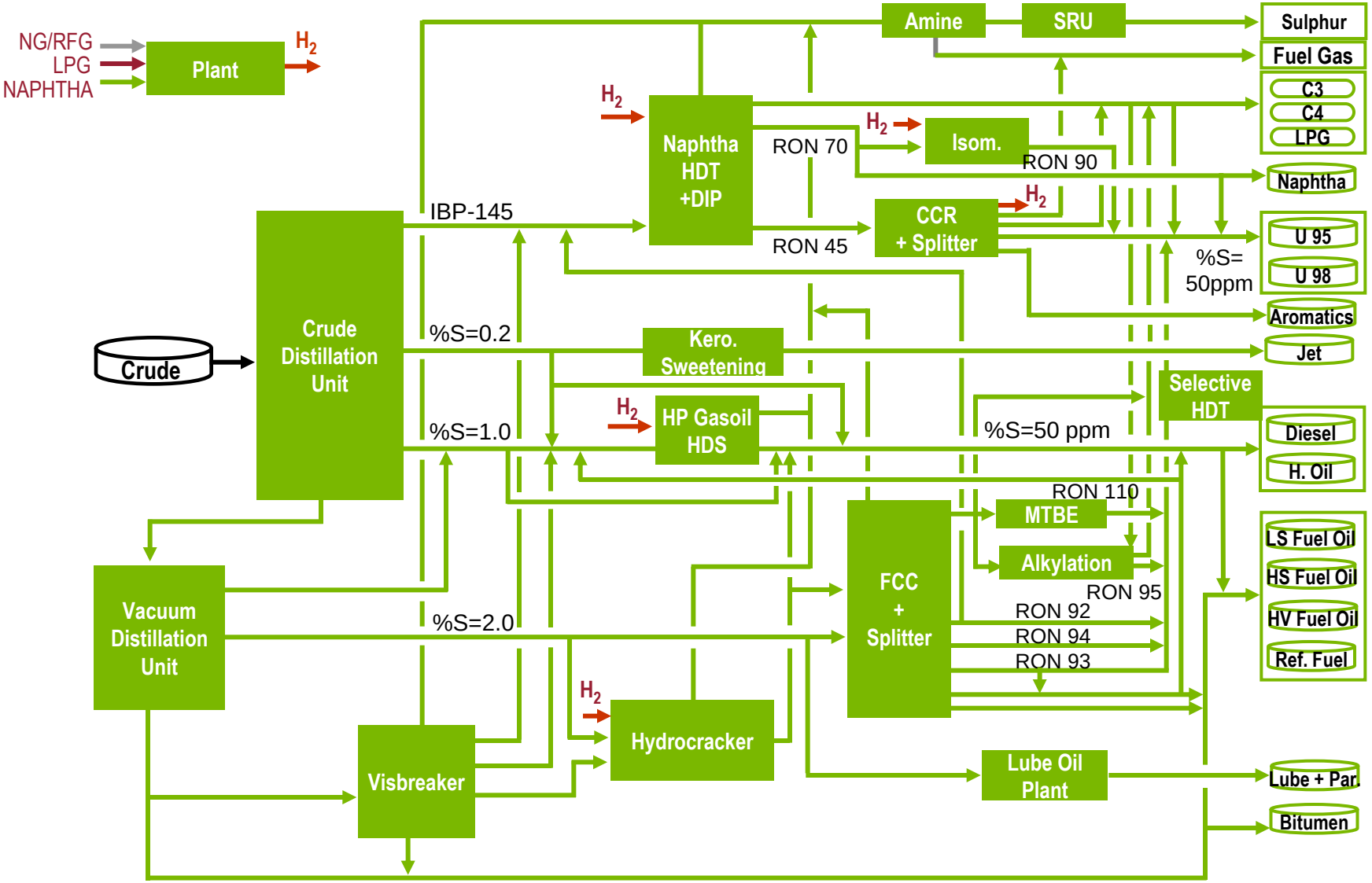
- Polyolefins and others

- Residual Fluid Catalytic Cracking
- Deep Catalytic Cracking

Technip

Stone & Webster process technologies and associated oil and gas engineering capabilities

A Puzzle of Several Technologies Integrated into a Single Complex



Source: Technip

Refining is at the Heart of the Downstream Oil Industry

- **Highly distributed industry:**
  - 655 refineries in 2012
  - 120 countries from Albania to… Zambia
  - 260 different operators
- **Provides fuels to the transportation industry worldwide…**
  - Gasoline, diesel, jet, bunker fuel
- **Feedstock to the petrochemical industry…**
  - Aromatics, naphtha for plastics, rubbers….
- **…and specialty products for niche markets**
  - Bitumen, lube oils, etc…

At the Heart of Onshore Technologies

NATURAL GAS FIELD FACILITIES

Natural Gas

GAS PROCESSING

Condensate

Natural Gas

CRUDE OIL FIELD FACILITIES

Crude Oil

C1

Pipeline

GAS DISTRIBUTION GRID

C1

LNG

LNG Carrier

Regasification

C1

GTL

C1

HYDROGEN

H2

Naphtha

REFINING

FUEL GAS

PROPYLENE/ BUTENES

GASOLINE

JET/DIESEL

FUEL OIL/OTHERS

AROMATICS

ETHYLENE

C2

C3-C4

ETHYLENE

BUTADIENE

PROPYLENE

PETROCHEMICALS

POLYMERS

INTERMEDIATES

DERIVATIVES

Several hundreds of technologies

Opportunities all Along the Gas Value Chain


Khursaniyah, S. Arabia

Oil Field Facilities inc. Shale oil

Coal bed methane

Gas Field Facilities inc. Shale gas

Associated Gas

Non- Associated Gas

Gas Processing

CO_2 Sulphur Water

Natural Gas Pipeline

Methane (C_1)

Onshore Liquefaction

Offshore Liquefaction

GTL


Yansab, Saudi Arabia

Steam cracker (Ethylene)

Ethane (C_2)

Petrochemicals
- Ammonia/Urea
- Hydrogen
- Polyethylene
- Polyvinyl chloride…

C_3/C_4 LPG

C_5-$_{12}$ Gasoline

C_{5-20} Condensate


Qatar LNG


Prelude FLNG, Australia


Oryx GTL, Qatar


Phu My Fertilizer, Vietnam

LNG, FLNG & GTL Investment Drivers

LNG	FLNG	GTL
		
▪ High demand for LNG worldwide ▪ Marketing flexibility vs pipelines ▪ Technology readily available under license with well developed service industry ▪ Good returns through long term sales agreements ▪ Access to resources for IOCs	▪ Ideal for reserves located far offshore in deep water ▪ Economically attractive in areas with high onshore construction costs ▪ Potential for reduction of overall field development time ▪ Development of small fields with relocation ▪ Monetize offshore associated gas versus re-injection or flaring	▪ Economically attractive with an increasing spread between oil and gas prices ▪ Regions close to consumer markets and/or without direct sea access ▪ Lower product distribution costs ▪ Alternative solution to monetize gas for investors with technology

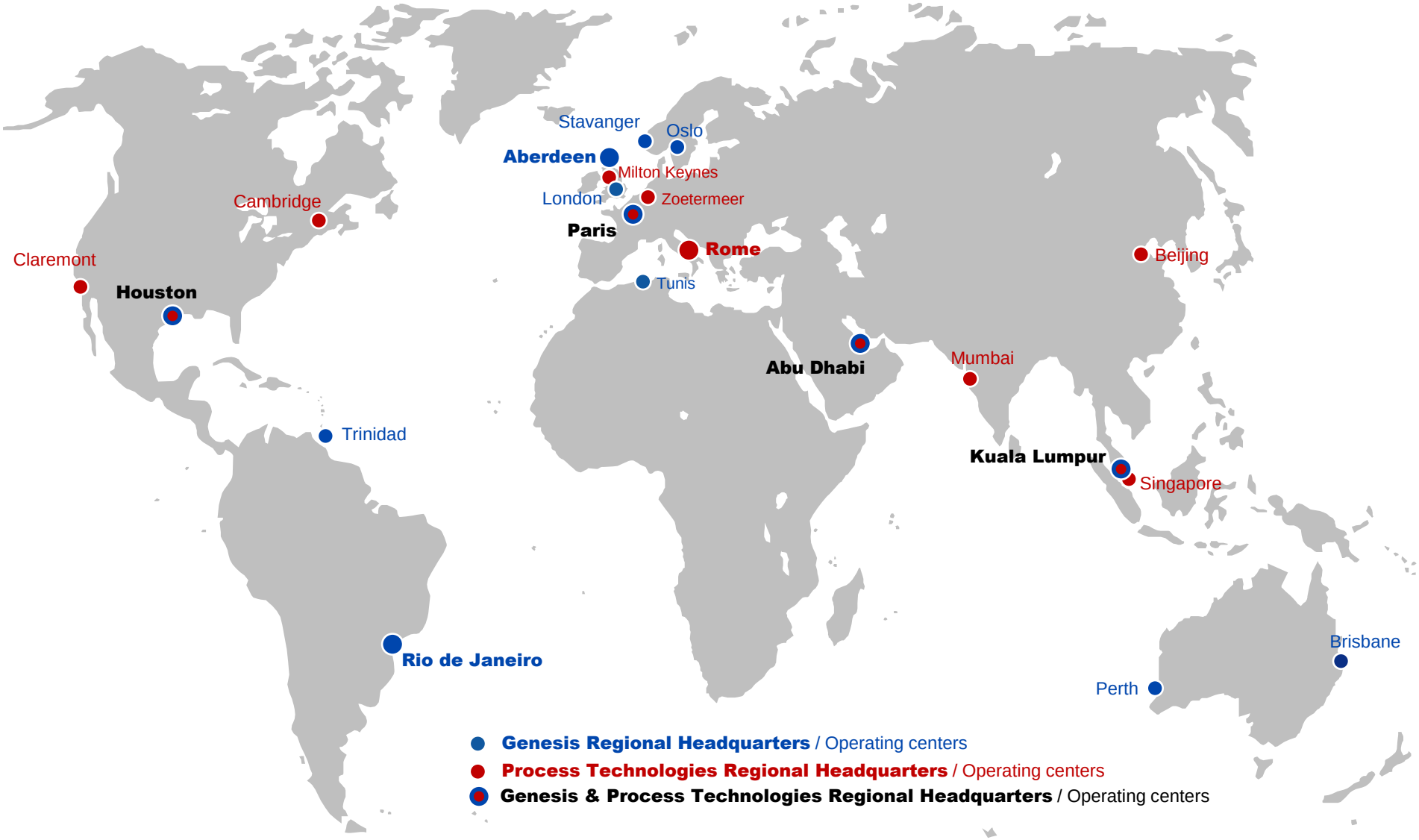
Leading Onshore LNG Player for Over 45 Years

- In-depth technical know-how and EPC contractor
- Developed and use our own liquefaction process
- Built the first ever LNG plant 45 years ago in Algeria
- Introduced many concepts to the industry that are widely used today
- Delivered 30% of world LNG production capacity in the last 12 years

Camel, Algeria 1964

Yemen LNG, 2010

…Supporting Early Involvement in Projects



Equipment Supply, a Growing Part of Our Business

Subsea

- **Engineering and Manufacture**
  - Flexible Pipes
  - Umbilicals
- **Latest supply contract awards**
  - Operated fields, Norway
  - Egina, Nigeria
  - Iracema Sul, Brazil
  - Sapinhoá & Lula Nordeste, Brazil

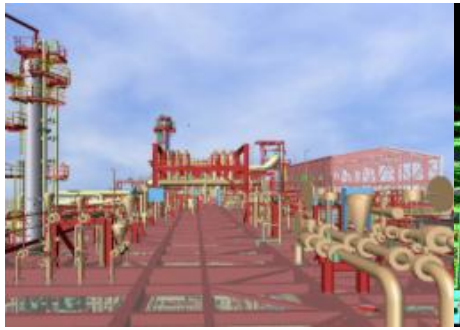
Onshore

- **Design and Supply**
  - Cracking furnaces
  - High-efficiency top-fired steam reformers
- **Recent contract awards**
  - Polyethylene plant, Texas, USA
  - NCRA Hydrogen plant, Kansas, USA
  - Hydrogen reformers, Venezuela
  - Ethane cracker, Louisiana, USA

Early Involvement in Projects

FEED scope

- Optimize clients' requirements / specifications
- Define breakdown of work packages
- Assess schedule and cost



Recent FEEDs won

- Mosaic Fertilizer, USA
- Forest BtL, Finland
- BG Trunkline LNG, USA
- Pacific NorthWest LNG, Canada
- Mozambique Subsea
- Sasol Ethane Cracker, USA
- Ascend Propane Dehydrogenation, USA
- Sasol GTL FEED Agreement

Ongoing EPC projects where Technip had early involvement

- Etileno XXI, Mexico
- Burgas refinery, Bulgaria
- PMP, Qatar
- Upper Zakum EPC 1, Abu Dhabi
- Aasta Hansteen Spar, Norway
- Petronas FLNG 1, Malaysia
- Prelude FLNG, Australia
- Julia field, US Gulf of Mexico
- Jubail refinery, Saudi Arabia

Technip

Subsea Vertical Integration: Customer Support from Concept to Execution

Concept

Upstream Engineering With Genesis[1]

- Pre-FEED[2] 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

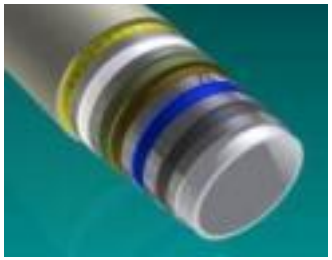
- Flexible-lay
- Umbilical-lay
- Associated construction
- Rigid Reel-lay
- Rigid J-lay
- Rigid S-lay
- Heavy-lift for Subsea infrastructure
- Offshore topside installation

Support, Diving & Logistics

R&D, Proprietary Software & Hardware

(1) Genesis Oil & Gas Consultants, a wholly owned subsidiary of Technip
(2) FEED: Front End Engineering Design

Technology: Rigid and Flexible Pipe Developments

Electrically Trace Heated Pipe-in-pipe	Carbon fiber armor flexible pipe	Integrated Production Bundle	Anti H_2S layer	Smoothbore riser
				
Active insulation improving tie-backs flow assurance	Lighter and stronger material with excellent corrosion and fatigue performances	Multi service pipe: production, gas lift, power, heating, monitoring and chemical injection	Cost effective solution for highly corrosive fluids	Internal layer designed to eliminate noise and vibration for dry gas risers
Energy effective design and cost effective installation	Reduce pipelay vessel capacity requirements	Improve flow assurance	Top tension reduction by up to 35%(1) relative to sour service	Ensure riser and topside integrity, while reducing pressure drop

(1) 8-inch flexible riser in a water depth of 2,500 meters (design pressure of 350 bars)

Technip

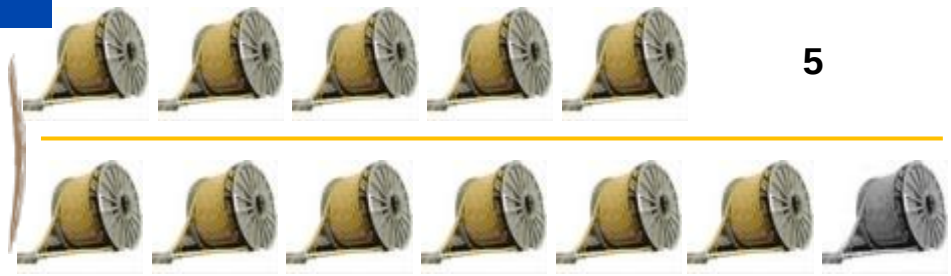
Delivering Best-for-Project Solutions Through Genesis

- **Genesis: A wholly owned subsidiary of Technip**
- **Provide independent, early phase engineering support to concept selection**
  - Fixed and floating platform configuration and selection
  - Subsea architecture development and component selection
- **Provide subsea engineering services from FEED through execution and operation**
  - Project management / engineering management
  - Flow assurance
  - Deepwater expertise
  - Subsea production systems
  - Pipelines & risers
  - Risk & integrity management

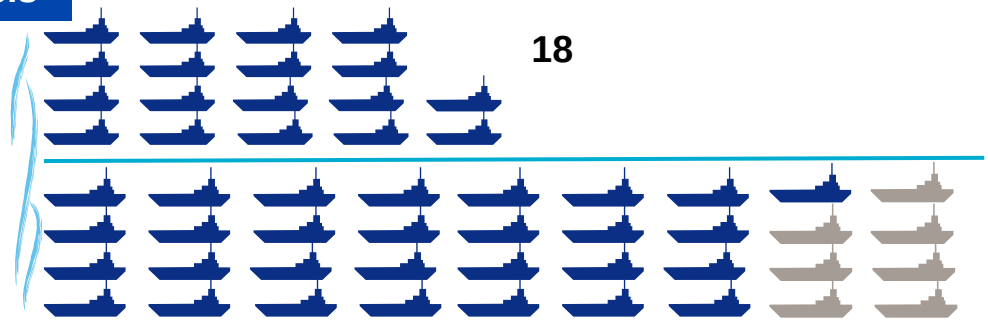
Over 1,300 dedicated Engineers and Designers

Investment in Key Subsea Assets

Plants



Vessels



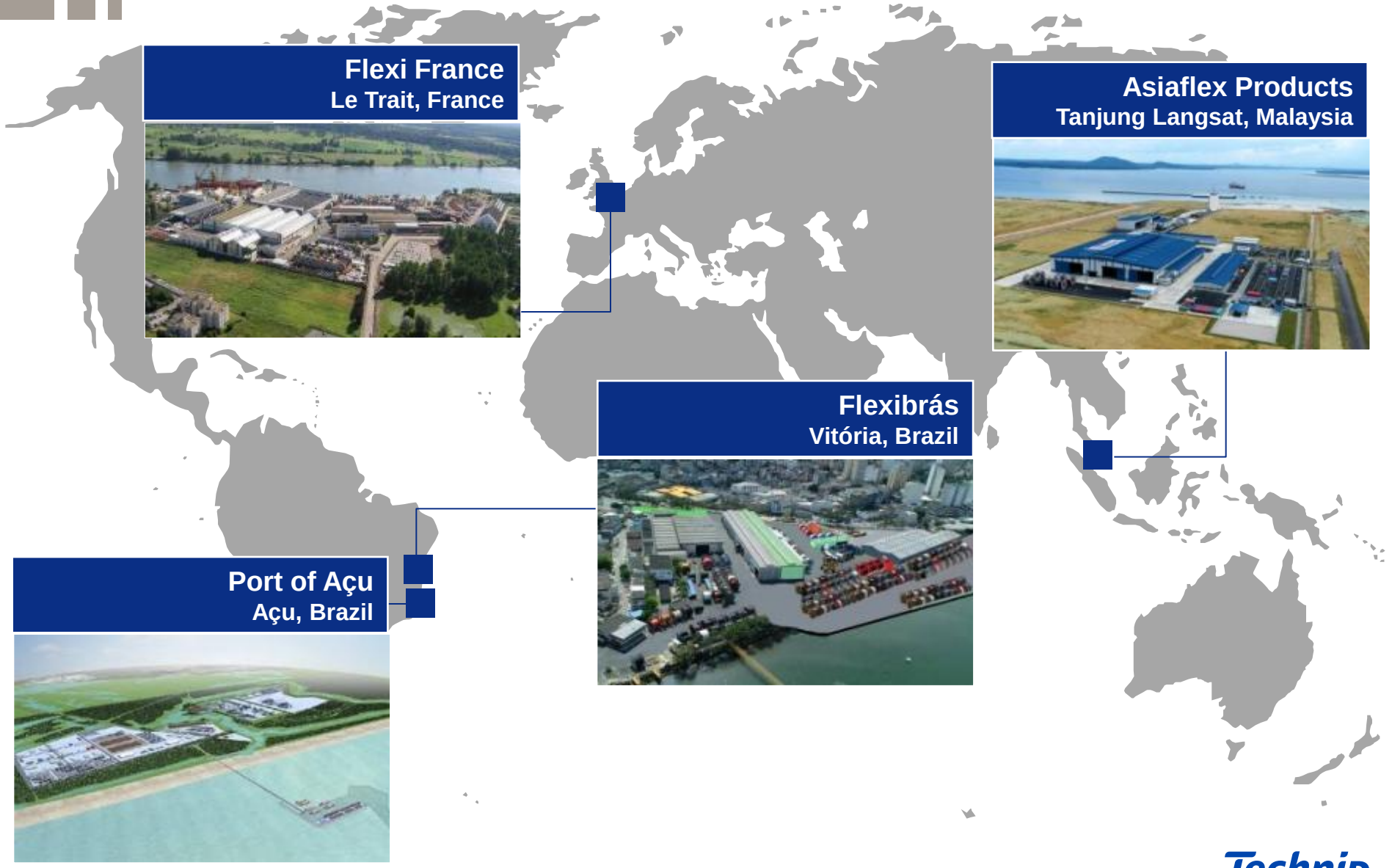
As of June 30, 2013

New long-term charters

North Sea Giant

North Sea Atlantic, delivery in 2014

Flexible Pipe Manufacturing Plants



Flexi France
Le Trait, France

Asiaflex Products
Tanjung Langsat, Malaysia

Flexibrás
Vitória, Brazil

Port of Açu
Açu, Brazil

Umbilicals Manufacturing Plants

Duco Ltd
Newcastle, UK

Duco Inc
Houston, USA

Angoflex
Lobito, Angola

Asiaflex Products
Tanjung Langsat, Malaysia

Offshore Manufacturing & Logistic Bases

Mobile, Alabama, USA

Orkanger, Norway

Evanton, UK

Carlyss, Louisiana, USA

Dande, Angola

Port of Angra, Brazil

High Performing Fleet

Flexible Lay & Construction
15 units

Deep Orient

Skandi Niteroi & Vitoria

2 x 550t PLSVs[1]

4 New PLSVs[1]

J-Lay Rigid Reel Lay
4 units

Deep Energy

Deep Blue

Apache II

Chickasaw

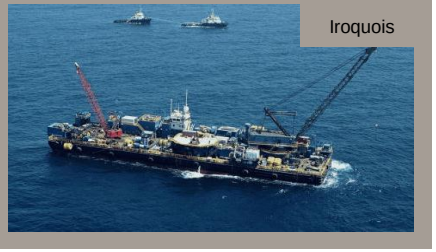
S-Lay Heavy Lift
4 units

G1200

G1201

Hercules

Iroquois



Diving Multi Support Vessel
13 units

Skandi Arctic

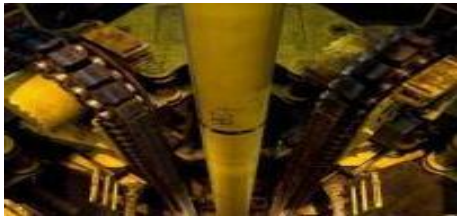
Skandi Achiever

Global Orion

Alliance

[1] *Part of 7 vessels under construction*

Ultra-Deepwater Challenges

Deeper water and heavier pipes	Vessels with higher tension pipe laying capacities	
Heavier subsea equipment	Vessels with higher lifting/abandonment capacity	
Larger developments with contracting interfaces increasingly difficult to manage by operators	Increasing use of EPCI contracts requiring extensive project management and execution experience	
Increasing QHSE[1] requirements	State-of-the-art vessels and experienced project management required	

[1] *Quality, Health, Safety & Environment*

Helping Clients to Develop Ultra-deepwater Fields

- Geographical footprint covers key subsea markets worldwide (engineering, sales & business development, yards, spoolbases, flexible & umbilical plants)
- Track record in engineering & project management of complex projects
- Financial strength to endorse large contract responsibility

- Installation capabilities for Ultra-Deepwater
- Extensive track record of fabrication and installation of heavy and specialized pipelines
- Capabilities for remote areas lacking infrastructure, thanks to liftable reel-lay system

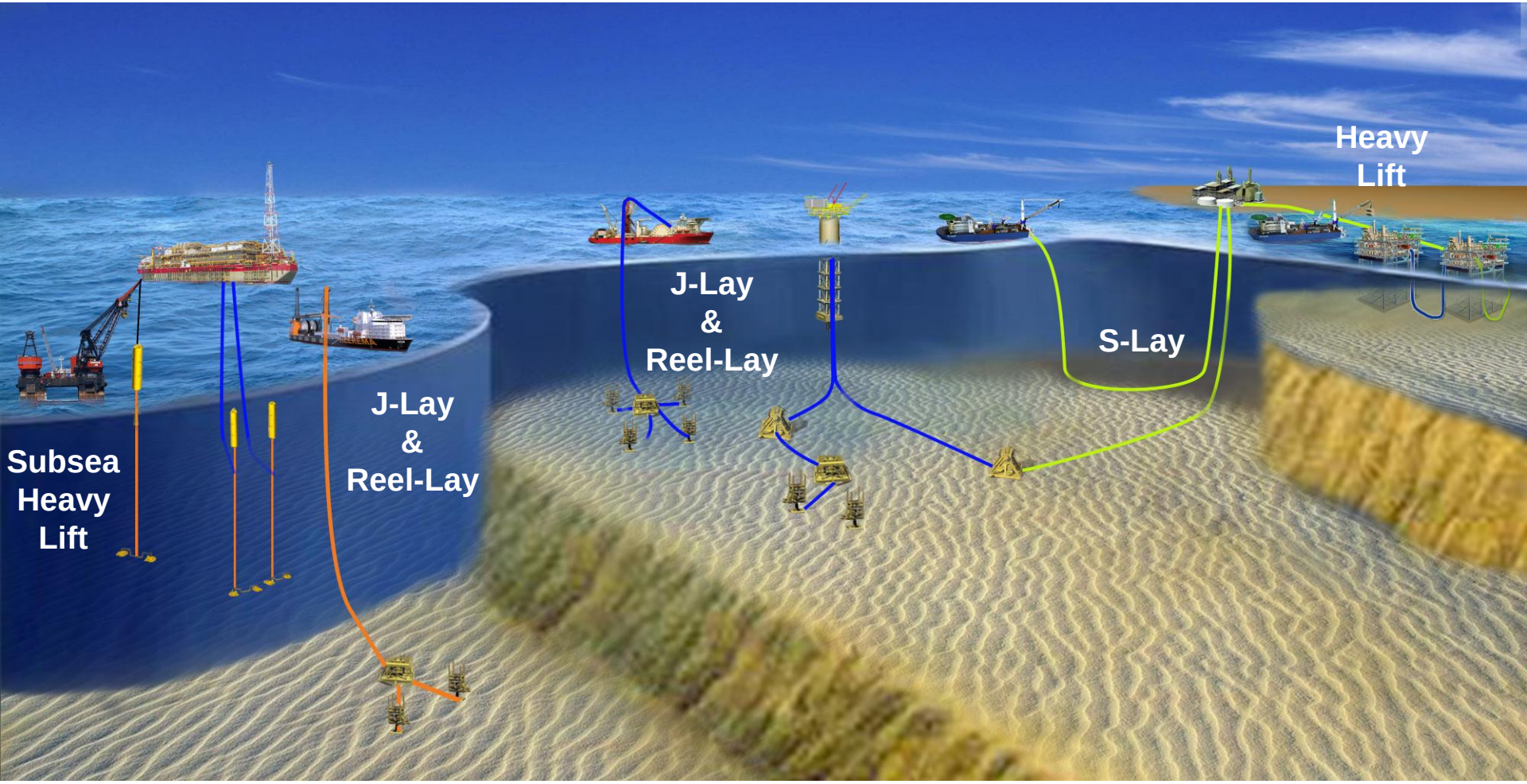
Unique set of capabilities for ultra-deepwater market:

- Experienced engineering & project management
- High capacity vessels
- State-of-the-art laying technologies (J-, Reel-, S- and Flex-Lay)
- Logistic and construction network (yards, plants)
- Sales & business development network

Commercial Alliance with Heerema

- 5-year worldwide alliance agreement combining capabilities for EPCI projects in ultra-deepwater
- Working together through ad-hoc JV, consortiums or subcontract arrangements to best answer client requirements
- Alliance effective immediately on an exclusive basis
- First successes expected in 2014, with offshore phases in 2015 and beyond

Very Broad Execution Capabilities in Subsea



Ultra-deep water infield lines
(Very high tensions: alliance with Heerema)

Deepwater infield lines

Deep-to-shore

Asia Pacific:
Dedicated Assets for High Potential Market

Assets & Activities

- **Engineering & project management centers**
- **Flexible/umbilical manufacturing plant**: Asiaflex, Malaysia, 1st and only one in Asia
- **Logistic base:** Batam, Indonesia
- **Fabrication yard:** MHB(1), Malaysia, with solid platform track record,
- **Vessel**


G1201


Deep Orient

Key Projects

- Woodside GWF, Subsea, Australia
- Prelude FLNG, Onshore/Offshore, Australia
- Petronas FLNG, Onshore/Offshore, Malaysia
- Biodiesel plant, Onshore/Offshore, Singapore

Technip in Asia Pacific

- **~8,900 people**
- **Founded in 1982**


Asiaflex, Malaysia

(1) *8.5% participation*

● **Regional Headquarter** / Operating centers
Flexible & umbilical manufacturing plant
▲ Logistic base

As of September 30, 2013

Middle East:
Largest Engineering Capacity in the Region

Assets & Activities

- **Engineering & project management centers**
- **Wide range of services: from conceptual and feasibility studies to lump sum turnkey projects**
- **Construction methods center & supervision hub**

Technip in Middle East

- **~2,500 people**
- **Founded in 1984**


Asab 3, UAE

Key Projects

- OAG Package 1 on Das Island Facilities, UAE
- ASAB 3, UAE
- Khafji Crude Related Offshore, Saudi Arabia and Kuwait
- Upper Zakum 750K FEED, UAE
- KGOC Export Pipeline, Saudi Arabia and Kuwait
- Umm Lulu field, Abu Dhabi


Upper Zakum 750+, UAE

As of September 30, 2013

North America: Solid Reputation With Enhanced Portfolio of Downstream Technologies

Assets & Activities

- **Engineering & project management centers with Subsea, and Onshore/Offshore capabilities**
- **Spoolbases**
  - Mobile, Alabama
  - Carlyss, Lousiana
- **Umbilical plant**
  - Channelview, Texas
- **Vessels**


Deep Blue[1]


Chickasaw


Pioneer

North America

- **~3,900 people**
- **Founded in 1971**

Regional Headquarter / Operating centers
Manufacturing plants (umbilicals)
Spoolbases

(1) *Operating partly in the Gulf of Mexico*


Lucius Spar, Gulf of Mexico


Mobile spoolbase, USA


Duco umbilical plant, USA

As of September 30, 2013

Key Projects

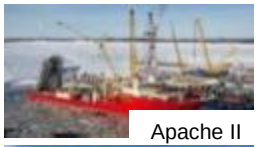
- Heidelberg Spar, Gulf of Mexico
- BP 10-year Spar agreement, Gulf of Mexico
- Polyethylene plant, Texas, USA
- Shell subsea engineering frame agreement with Genesis, US & Brazil
- Recurring activities, US & Mexico
  - Light reel-lay
  - Inspection, repair & maintenance, diving support & surveys

Technip

North Sea Canada: Market Leadership in a Growing Market

Assets & Activities

- **Engineering & project management centers**
- **Spoolbases**
  - Orkanger, Norway
  - Evanton, UK
- **Steel tube/thermoplastic umbilical plant**
  - Duco Newcastle, UK
- **Yard:** Pori, Finland, specialized in Spar platforms fabrication
- **Offshore wind:** headquarters in Aberdeen, UK
- **Vessels**


Apache II


Alliance

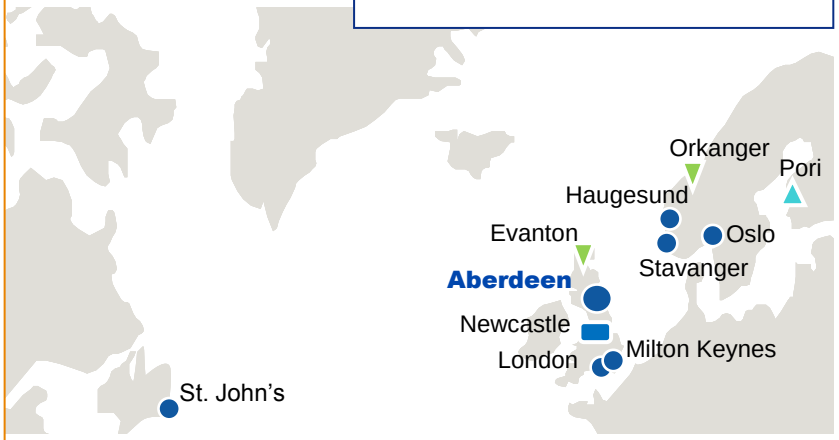

Skandi Arctic


Wellservicer


Orelia

Technip in North Sea

- **~4,800 people**
- **1st office founded in 1978**




Pori, Finland

Key Projects

- Quad 204, EPCI, UK
- Islay, ETH-PIP5(1) EPCI, UK
- Åsgard Subsea Compression, Norway
- Åsgard Hot Tap, 1st remote retrofit tee hot-tap operation, Norway
- Bøyla, PIP(2) EPCI, Norway

● **Regional Headquarter** / Operating centers
▬ Manufacturing plants (umbilicals)
▲ Construction yard
▼ Spoolbases

As of September 30, 2013

(1) ETH-PIP: Electrically Trace Heated Pipe-In-Pipe
(2) PIP: Pipe-In-Pipe

Brazil: Building upon Solid & Profitable Business

Technip in Brazil

+35 years

- ~4,300 People
- Founded in 1977
- Exceed national content requirements
- Operational discipline
- Flexible supply expertise

Differentiating Assets & Activities

- **Wide range of assets**:
  - High-end manufacturing plants: Flexibras and Açu (one of the world's most technologically advanced plant)
  - Nine Flexible Pipelay vessels (PLSVs) on long-term charters including under construction:
    - two 650 ton: Norway
    - two 300 ton: Brazil
    - two 550 ton: Korea
- **Commitment to R&D:** taking pre-salt development further
- **Vertical integration:** providing supply chain & logistic solutions

Regional Headquarter / Operating centers

Manufacturing plants (flexible pipelines)

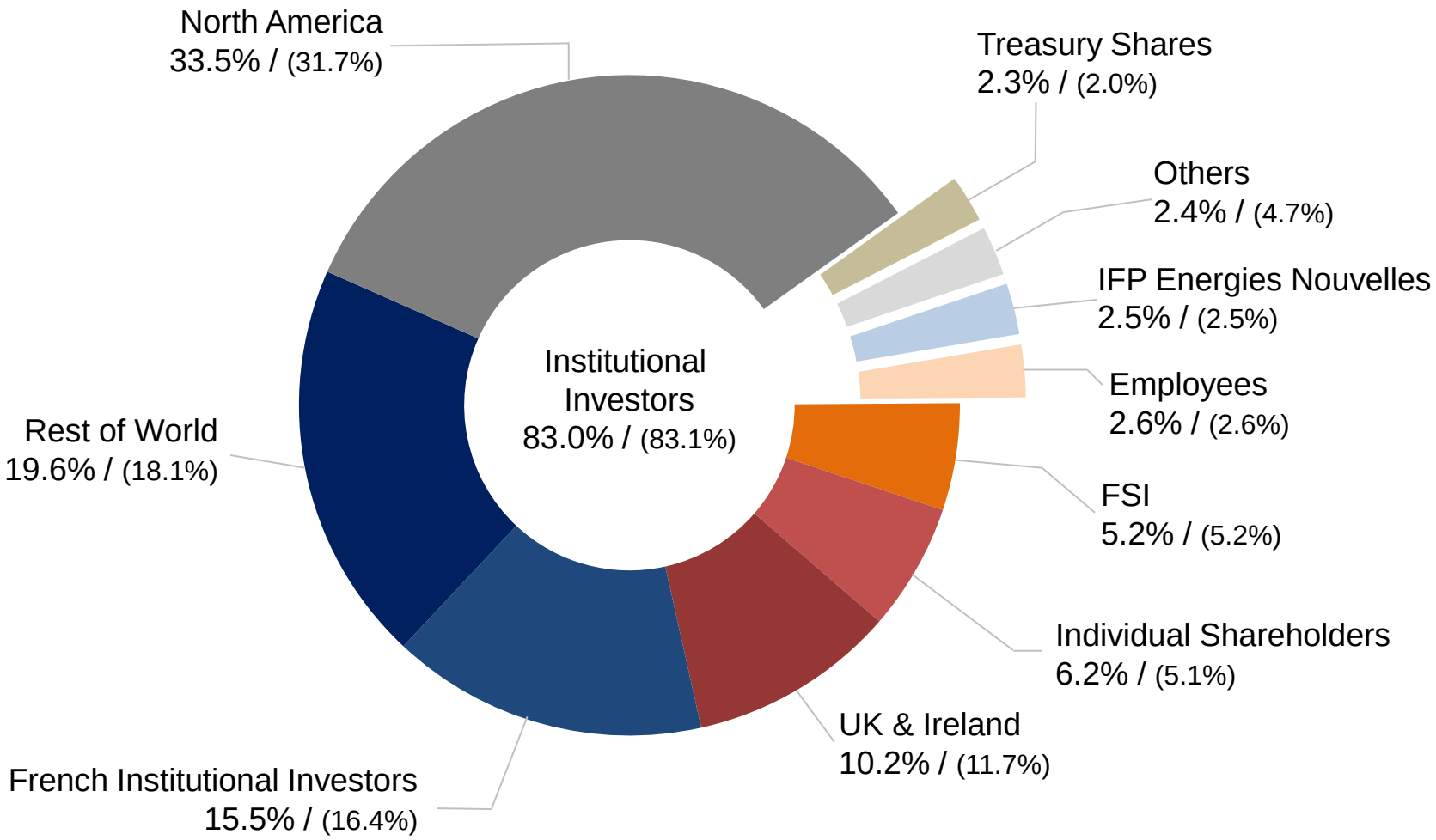
Port and Logistic bases

Flexibras, Brazil

Key Projects & Awards

- **Iracema Sul, Sapinhoá & Lula Nordeste**
  - Flexible pipe supply for ultra-deep pre-salt development
  - Strengthening capacity to serve fast growing Brazilian subsea market
- **P-76 FPSO**
- **Papa Terra Integrated Production Bundle**

Shareholding Structure, May 2013 (Nov. 2012)



Listed on NYSE Euronext Paris

Source: Thomson Reuters, Shareholder Analysis, May 2013

Technip's Share Information

Euronext
NYSE Euronext

ISIN: FR0000131708

Bloomberg: TEC FP **Reuters: TECF.PA** **SEDOL: 4874160**

OTC ADR ISIN: US8785462099
OTCQX: TKPPY

Convertible Bonds:
OCEANE 2010 ISIN: FR0010962704
OCEANE 2011 ISIN: FR0011163864

Private Placement Notes: ISIN: FR0010828095

Dow Jones Sustainability Indexes
Member 2012/13

Technip

Technip has a sponsored Level 1 ADR

Bloomberg ticker: TKPPY
CUSIP: 878546209
OTC ADR ISIN: US8785462099

Depositary bank: Deutsche Bank Trust Company Americas

Depositary bank contacts:

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ADR website: www.adr.db.com
Depositary bank's local custodian: Deutsche Bank Amsterdam