

2nd Annual

Pre-Salt Tech

Diving deep into E&P technologies and services innovation

JW Marriott Copacabana • Rio de Janeiro

18th & 19th April



PRACTICAL FORUM



Meet prestigious offshore experts facing the same challenges as yours



2 intensive days equipping you with practical knowledge of the major pre-salt play



NEW technical offshore E&P case studies from operators active in Brazil and Africa

JOIN the only forum heavily focused on the practical aspects of deepwater E&P with a special pre-salt focus

NEW CASE STUDIES ▶ Access insights from experienced colleagues already fully immersed in the pre-salt E&P

LEARN about the latest innovations in technology and services set to be at the forefront of the pre-salt play

OVERCOME REAL ultra-deepwater / pre-salt challenges through an exclusive selection of technical case studies

GAIN NEW KNOWLEDGE on key ultra-deepwater E&P hurdles: Seismic acquisition, reservoir quality predictability, drilling, subsea processing, well control, innovation and much, much more! ▶

CHAIRMAN:

Prof. Dr. Hernani Chaves, Petroleum Geologist
Vice-Coordinator of the National Institute of Oil & Gas (INOG) at UERJ, Permanent Member of the E&P Commission of the IBP - Instituto Brasileiro de Petróleo e Gás, amongst others

SPEAKERS CONFIRMED INCLUDE:

Renato Bertani
CEO Barra Energia
President World Petroleum Council - WPC

Dr. Nilo Chagas de Azambuja Filho
Chief Technical Officer
HRT

Antonio Luiz Caldeira Pires
Chief Technology Officer
Instituto SINTEF do Brasil (ISdB)

Carlos Alberto Pedrosa
Senior Completion Engineer
Queiroz Galvão Óleo & Gás (QGOG) / Recently Former Sand Control and Stimulation Manager
PETROBRAS

Dominique R. Guérillot
CEO Terra 3E
Pre-Salt Consultant

Renata Pereira
Executive Director
BRASCO Logística Offshore
Grupo WILSON, SONS

Didier Wloszczowski
Exploration Director
REPSOL SINOPEC BRASIL

Marcos Guedes G. Morais
PROCAP/CENPES
PETROBRAS

Iubatan Antonino Pinto
Petroleum Engineer
PETROBRAS

Nathan Biddle
Senior Deepwater
Drilling Engineer
BP Energy do Brasil

Paulo Cezar V. M. Gouvêa
CEO
ENGEFOU

Tarcilio Dutra Neto
Drilling Engineer
REPSOL SINOPEC BRASIL

Dr. Olivier Wambersie
Chief Technology Officer
Global Technology Centre - Rio de Janeiro
BG Group

Senior executives in attendance will be coming from:

Petrobras
EMGS
Shell
BP Energy do Brasil
Clarity Partners LP
Aker Solutions
Newpark Drilling

Barra Energia
ExxonMobil Exploration Co
HRT Oil & Gas
Repsol Sinopec
CGG
INPEX Corporation
PGS

BRASCO Logística Offshore
BG Group
Statoil
Schlumberger
Queiroz Galvão Óleo e Gás
IHS Cera
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You will meet at Pre-Salt Tech 2013:

CEOs, COOs, CTOs, alongside Heads, Directors, VPs and Managers of:

Technology • Unconventional Technology • Innovation • E&P • R&D • New Ventures • Deep and Ultra-Deepwater • Drilling Technology • Well Completion and Management • Reservoir Excellence • Petrophysics • Geosciences • Unconventional Resources • Seismic Processing & Imaging • Production Engineering • Naval Engineering • Subsea Processing & Production • Procurement & Purchasing • Water Management • Environment • Supplier Development • Supply Chain and Business Development coming from NOC, IOC, high-end technology & solution providers, consultancies and renowned research institutes.

Dear Executive,

Welcome to this year's Pre-Salt Tech edition!

With recent exploration numbers converting expectations into reality, the pre-salt journey has never been so exciting!

In light of that, the "Pre-Salt Tech 2013 - 2nd Annual" comes back aiming to deliver an even more practical programme to help you broaden your applicable knowledge on this major play.

Leaving aside the political-economical aspects of the subject, you will enjoy a real life learning experience through a selection of new and inspiring case studies.

With the invaluable insight and help of some of the foremost experts and institutions in the industry, the "Pre-Salt Tech 2013 - 2nd Annual" establishes itself as a high level practical engineering and technological gathering for those who like you at the forefront of this play.

Now I invite you to read through the comprehensive programme in the following pages.

After checking out the extraordinary speakers and their invaluable presentations, go to the final page and fill in the booking form. This way you guarantee your presence now in this must attend event.

We greatly look forward to seeing you in Rio!

Vitor Munier • Event Manager

p.s. Last remaining seats, guarantee yours today on page 7

"Be inspired interacting face-to-face with industry leaders and colleagues you wouldn't otherwise meet!"

Welcome to RIO, South America's magnificent Oil & Gas capital



The "Pre-Salt Tech 2013 - 2nd Annual" team welcomes you to Rio de Janeiro, the magnificent world's capital of samba, carnival and football and South America's capital of oil & gas.

Rio is a strategic operational hub for several global companies, particularly from the oil & gas production chain, such as Petrobras.

Rio also encompasses all the plurality and friendliness that defines Brazilians.

WORLD-CLASS ATTRACTIONS - Enjoying the same vanguard spirit as New York, London and Tokyo, Rio is a cosmopolitan vibrant city.

From world-class beaches, outdoor attractions and gourmet restaurants to a buzzing nightlife, this incredible city works hard and plays hard.

With an exuberant nature and getting ready to host 2016's Olympic Games, Rio is a buzzing city you will surely fall in love with.

Enjoy your stay!



3 reasons why your company will approve your participation:

1 YOU WILL MEET AND NETWORK with industry leaders and colleagues you wouldn't otherwise meet. You'll be motivated by how they are tackling the same challenges you are facing now. There's nothing better than face-to-face interaction with your peers to inspire you!

2 YOU WILL LEARN from a variety of full practical case studies from deepwater experts. They will be sharing insider tips and hands-on advice you can apply in your own company straight away

3 YOU WILL ACCESS concentrated specialist and technical knowledge and sample new solutions not available together, at the same time, anywhere else

If you are in offshore, this is THE event to attend in 2013!

Day 1 Morning

18th April 2013

Thursday

SESSION A • PRE-SALT: VENTURING WHERE NO DRILLER HAS EVER GONE

8.30 Registration and Welcome Coffee

9.00 **Chairman Opening Remarks**
Prof. Dr. Hernani Chaves, Petroleum Geologist
Vice-Coordinator of the National Institute of Oil & Gas (INOG) at UERJ

9.10 *Keynote Speech*
Setting the Scene: New Frontiers for Pre-Salt Exploration

- Geological challenges to describe Pre-Salt reservoirs
- Imaging Pre-Salt geology
- Filling the scale gaps to describe Pre-Salt reservoirs
- From geological discovery to the field

Didier Wloszczowski
Exploration Director
REPSOL SINOPEC BRASIL

9.55 *Case Study*
Managing Risk and Uncertainty in Building a Pre-Salt Portfolio

- Overview of Barra Energia's positioning in the Pre-Salt province
- Challenges and opportunities in a crucial year of licensing rounds

Renato Bertani
CEO Barra Energia
President World Petroleum Council - WPC

10.40  Refreshments & Networking Break

SESSION B • OVERCOMING THE ULTRA-DEEP E&P CHALLENGES THROUGH INNOVATION

11.10 **Technological Challenges and R&D Strategy**

- Petrobras in numbers and the Pre-Salt
- Future Vision - Strategy & Main Drivers
- The Future Vision Projects
- Technology network
- Conclusions

Marcos Guedes G. Morais
PROCAP/CENPES
PETROBRAS

11.55 *Case Study*
Pre-Salt Production at Jubarte Field - Campos Basin

- Wildcat well evaluation and EWT
- Appraisal well evaluation and production
- Future projects - Whale's Park

Iubatan Antonino Pinto
Petroleum Engineer
PETROBRAS

12.40  Lunch

Day 1 Afternoon

18th April 2013

Thursday

SESSION C • CONQUERING THE FRONTIERS OF THE FUTURE

14.00 *Case Study*
Reservoir Management: Dealing With Critical Diversity in the Pre-Salt Reservoirs

- Tackling some of the key challenges in forecasting uncertainties of oil and gas production on Pre-Salt reservoirs

Dominique R. Guérillot
CEO Terra 3E
Pre-Salt Consultant

14.45 *Case Study*
Drilling in Pre-Salt Formations in Brazil: Possible Assessment with Managed Pressure Drilling

- Work Environment & Challenges
- Case History: Offshore Pre-Salt Drilling
- Managed Pressure Drilling Method Selection
- Expectations From MPD Application

Tarcilio Dutra Neto
Drilling Engineer
REPSOL SINOPEC BRASIL

15.30  **Afternoon Refreshments & Networking Break**

SESSION D • DELIVERING THE PRE-SALT RESULTS

16.00 *Case Study*
Pre-Salt Drilling Fluids strategies for High Pressure, High Temperature

- Optimising HPHT drilling fluids for drilling reservoirs and minimising skins
- Fluid and brine selection strategies – knowing what to buy and when to use it
- Effective mud control and monitoring in more extreme and hazardous HPHT environments

Carlos Alberto Pedroso
Senior Completion Engineer
Queiroz Galvão Óleo & Gás (QGOG) / Recently Former Sand Control and Stimulation Manager PETROBRAS

16.45 **BG Group Technology – Strategy and Application to the Pre-Salt**

- Introduction to BG Group technology organization
- Strategy and objectives
- BG Group's research and development model
- Pre-Salt technical challenges and BG focus areas

Dr. Olivier Wambersie
Chief Technology Officer
Global Technology Centre - Rio de Janeiro
BG Group

17.30 **Chair's Closing Remarks**

17.35  **Networking Drinks Reception**

Day 2 Morning

19th April 2013

Friday

SESSION A • AFRICAN PRE-SALT

8.30 Registration and Welcome Coffee

9.00 **Chairman Opening Remarks**
Prof. Dr. Hernani Chaves, Petroleum Geologist
Vice-Coordinator of the National Institute of Oil & Gas (INOG) at UERJ

9.10 *Keynote Speech • African Pre-Salt Case Study*
HRT's Exploration Activities in Namibia

- Operational challenges
- First impressions of seismic acquisition campaigns and data processing
- The operations' state-of-the-art

Dr. Nilo Chagas de Azambuja Filho
Chief Technical Officer
HRT

SESSION B • OFFSHORE LOGISTICS

9:55 **Overcoming the Pre-Salt Logistic Challenges**

- Oil & Gas Brazilian market overview
- E&P supply chain
- Offshore support base market in Brazil
- BRASCO Logística Offshore

Renata Pereira
Executive Director
BRASCO Logística Offshore
Grupo WILSON, SONS

10.40  Refreshments & Networking Break

SESSION C • PRE-SALT PRACTICAL & TECHNICAL CHALLENGES

11.10 **Challenges in Ultra-Deepwater Pre-Salt Drilling**

- Ultra-deepwater Pre-Salt drilling scenario
- Requisitions of deepwater drilling rigs for deep Pre-Salt wells
- Critical aspects of salt drilling
- Plastic behavior of salt formations
- Case histories

Paulo Cezar V. M. Gouvêa
CEO
ENEGOUV

11.55 **Challenges of Well Construction in Brazil Pre-Salt Play: Risk Reduction, Long-Term Integrity and Performance**

- Pre-Salt play concept
- Well design - Goals - Exploration wells
- The mechanics of salt
- Upstream technology's customized approach

Nathan Biddle
Senior Deepwater
Drilling Engineer
BP Energy do Brasil

12.40  Lunch

Day 2 Afternoon

19th April 2013

Friday

SESSION D • PRE-SALT REVOLUTIONISING THE INDUSTRY

14.00 Assessing the True Potential of Brazil's Pre-Salt Region

- Background: A deeper look into the recoverable numbers
- Pre-Salt in numbers: An update
- Probable implications to the recoverable oil potential

Prof. Cleveland Jones

Researcher - INOG - National Institute of Oil & Gas/CNPq

Member - NXT Energy Solutions Geosciences Advisory Board

14.30 *From Ideation to Results Delivering* Establishing Successful Applied R&D Initiatives Based on Experiences Built Both in Norway and Brazil

- Tropicalizing the Norwegian approach for the development of applied research focusing on the Brazilian O&G Industry
- Identifying the main driving forces for the definition of R&D targets (Institutional / Technological / Sustainability)
- Creating synergetic work-flows: From the Final User to the R&D Provider / From the R&D Provider to the Final User
- Identified Technological Challenges:
 - Which are the main technological challenges?
 - Constraints in place to address the main technological challenges

Antonio Luiz Caldeira Pires

Chief Technology Officer

Instituto SINTEF do Brasil (ISdB)

18+ years of Oil & Gas Expertise, key management roles at Baker Hughes, Schlumberger, Weatherford, amongst others

15.00 *Closing Panel Discussion*

Pre-Salt: The Major New Frontier Revolutionising a Global Industry

- Round up of the main issues tackled during the conference with selected speakers and audience

15.30 Chair's Closing Remarks / End of Conference

