2nd Annual

Pre-Salt Tech

Diving deep into E&P technologies and services innovation

JW Marriott Copacabana • Rio de janeiro



Smart Oil&Gas

18th & 19th April



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! >>

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 BG Group HRT Oil & Gas Repsol Sinopec CGG **INPEX Corporation**

BRASCO Logística Offshore Statoil Schlumberger Queiroz Galvão Óleo e Gás **IHS Cera** Beicip Franlab

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Worldoils

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 Brasileito 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

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

Carlos Alberto Pedroso 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**

Jubatan Antonino Pinto Petroleum Engineer **PETROBRAS**

Nathan Biddle Senior Deepwater **Drilling Engineer BP Energy do Brasil**

Paulo Cezar V. M. Gouvêa CFO **ENGEGOUV**

Tarcilio Dutra Neto **Drilling Engineer** REPSOL SINOPEC BRASIL

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

You will meet at Pre-Salt Tech 2013:

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

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.

➤ Email: info@foxsb.com

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Pre-Salt Tech

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 Munaier • Event Manager

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



reasons why your company will approve your participation:

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!

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

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



"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



he "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!







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

Case Study

Managing Risk and Uncertainty in Building a Pre-Salt

- 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 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**

10.40

>>>

Refreshments & Networking Break





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

ase 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 ENGEGOUV

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



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

15.00

Closing Panel Discussion

Pre-Salt: The Major New Frontier Revolutionising a Global

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

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
- 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
- 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

15.30

Chair's Closing Remarks / End of Conference



Pre-Salt Tech

Branch: 2556-9

Swift Code: BRASBRRJBHE

IBAN: 001255690000191701 * CNPJ: 14 371 658 / 0001-14

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