Reichstul: "Brazil today plays a major business role in the world oil industry".

Rio Oil & Gas Expo 2002 is already considered a success nine months before the event.

Executives forecast business opportunities in the 17th WPC.

www.wpc2002.com
Up-to-date news.

The best of Rio in the tour programme.
The selection of Brazil — and Rio de Janeiro in particular — to host the 17th World Petroleum Congress (17th WPC) could not have been a better choice. While Rio de Janeiro is the region where the oil industry is most active, Brazil is currently the country with the greatest business potential for the sector anywhere in the world.

In Brazil we are witnessing a unique convergence of favourable circumstances for the oil and gas sector. Not least because the country is now consuming 1.9 million barrels of oil per day, against production averaging 1.4 million bpd and a daily refining volume of 1.7 million barrels. With the ending of the oil monopoly, this difference between production and consumption, allied to growth forecasts for the next decade, constitutes an open field for all those companies disposed to compete in this market. Nor should we forget that Brazil has opened the doors to one of the greatest developing markets for gas consumption anywhere in the world.

Brazil’s energy deficit will be tackled, both in the short and medium term, by pursuing an ambitious program for expanding gas-powered thermoelectric energy production. More than 40 power plants should be built by the year 2005. Meanwhile, gas consumption is forecast to grow at a rapid rate, supplying industry, residential homes, and a growing fleet of gas-powered vehicles. In order to carry this gas to the power-hungry towns, cities and regions, we will need to increase our network of pipelines, also demanding significant investments. The construction of a major gas-petrochemicals complex in Rio de Janeiro state is opening another major front for the utilisation of the gas input. The implications of this surge in new projects will be enormous for the petroleum industry as a whole.

Brazil’s National Organisation of Petroleum Industries (ONIP) has estimated that with the opening of the market, the Brazilian oil and gas sector will generate investments of around US$ 85 billion over the next 10 years. Of this total, no less than US$ 65 billion will be destined for exploration and production, boosted by the new acreage licensed by the National Petroleum Agency. The expansion program for thermoelectric plants will also generate investments of US$ 15 billion, according to ONIP.

Demand for floats, tubing, cables, valves, connectors, turbines, pumps and all the plant and the machinery needed to get these projects up and running will be enormous. It is estimated that half of the US$ 85 billion in investment will flow from industry orders for capital goods. The other half will be absorbed by the sector providing services and support, in areas such as research, seismic surveys and logistics.

The Rio Oil & Gas Expo 2002 is expected to attract some 35 thousand visitors to Rio de Janeiro, and gather more than 800 exhibitors at stands to be mounted in 30 thousand square metres of exhibition space at the Riocentro. The most important oil and gas companies in the world will all be represented here. It will be a gigantic meeting point for all the producers, suppliers and service industries working in this sector. Brazil has turned itself into a tremendous workshop for the world’s petroleum industry. This congress will therefore provide an excellent business opportunity for all present. So welcome to Brazil: workshop for the world’s oil and gas industry.
Balancing knowledge
with social responsibility

PLENARY SESSIONS
- Sustainability of the oil and gas industry in Brazil
- The World Summit on Sustainable Development - the petroleum industry, perspective and response
- Risks and opportunities facing the petroleum industry at the dawn of a new century
- Responsibility: enhancing reputation and building a competitive edge
- E-Business in the petroleum industry
- Natural Gas: the bridging fuel to a sustainable future
- Petroleum/automobile industry synergies

KEYNOTE SPEAKERS
- OPEC President & Sonatrach CEO - Chakib Khelil
- OPEC Secretary General - Al Rodríguez Araque
- Petrobras CEO - Henri Philippe Reichstul
- ChevronTexaco CEO - David O Reilly
- Saudi Aramco CEO - Abdallah S. Jumah
- Repsol YPF CEO - Alfonso Cortina
- Norsk Hydro CEO - Egil Myklebust
- Schlumberger CEO - Euan Baird
- Shell Vice-president for Latin America - Lew Watts
- International Gas Union President - Hiroshi Urano
- PricewaterhouseCoopers World Leader in Petroleum Practice - Richard D. Patterson
- Minister of Mines and Energy of Brazil - José Jorge de Vasconcelos Lima
- Syncrude Canada Chairman & CEO - Eric Newall
- Nigerian President Advisor for Energy and Petroleum - Rilwanu Lukman
- Gazprom Chairman of the Board - A. B. Miller
- TotalFinaElf CEO for Refining and Marketing - Jean Paul Vettier
- President PDVSA - Guaicaipuro Lameda Montero
- International Gas Union President - Hiroshi Urano
- PricewaterhouseCoopers World Leader in Petroleum Practice - Richard D. Patterson
- Minister of Mines and Energy of Brazil - José Jorge de Vasconcelos Lima
- Syncrude Canada Chairman & CEO - Eric Newall
- Nigerian President Advisor for Energy and Petroleum - Rilwanu Lukman
- Gazprom Chairman of the Board - A. B. Miller
- TotalFinaElf CEO for Refining and Marketing - Jean Paul Vettier
- President PDVSA - Guaicaipuro Lameda Montero
- International Gas Union President - Hiroshi Urano
- PricewaterhouseCoopers World Leader in Petroleum Practice - Richard D. Patterson
- Minister of Mines and Energy of Brazil - José Jorge de Vasconcelos Lima
- Syncrude Canada Chairman & CEO - Eric Newall

REVIEW AND FORECAST PAPERS - RFPs
Block 1: Excelling in the Exploration and Production of Oil and Gas
- RFP 1: Role of Research and Development as a Driving Force for Future Exploration and Production
  Authors: Donald L. Paul - Chevron Corporation
  Abdulaziz U. Al-Kaabi - King Fahd University of Petroleum & Minerals
- RFP 2: Will the Carbon Age (Oil and Gas) Terminate Before Depletion of Reserves?
  Author: M.J. Groeneveld - Shell
- RFP 3: Optimising Opex and Capex in New Discoveries and Production
  Author: Paul H. Ziff - Ziff Energy Group

Block 2: Excelling in Refining and Delivering Quality Petrochemicals
- RFP 1: Current Status and Future Developments in Catalytic Technology Related to Refining and Petrochemistry
  Authors: Herman van Wechem - Shell
  Germain Martino - IFP
- RFP 2: Will the Carbon Age (Oil and Gas) Terminate Before Depletion of Reserves?
  Author: M.J. Groeneveld - Shell
- RFP 3: Optimising Opex and Capex in New Discoveries and Production
  Author: Paul H. Ziff - Ziff Energy Group

Block 3: Excelling in Delivering Clean Energy and Quality Products from Natural Gas
- RFP 1: Oil and Gas Prices: Perpetuated Coupling
  Authors: Peter Noci - ABN AMRO
  Valery Remizov - Gazprom
- RFP 2: Methane Leakage Reduction, Technical Solutions
  Author: Christian P. Bedenersonand - Ruhrgas AG
- RFP 3: Economic Use of Hydrates: Dream or Reality?
  Author: Georgy Cherkashov - Institute of Ocean Geology

Block 4: Excellence & Responsibility in Managing the Petroleum Business with Economic, Environmental and Social Dimensions
- RFP 1: Industry and Government Perspectives on Benefits Sharing and Distribution Associated with the Upstream Petroleum Industry
  Authors: Eloy Fernandez y Fernandez - Brazilian Petroleum Agency
  David F. Asmus - AIPN
- RFP 2: Safety and Environment Management Systems
  Author: Bernard Tranier - TotalFinaElf
- RFP 3: Human Resources - Forecasting the Big Issues
  Author: Tony B. Hayward - BP

www.wpc2002.com

This photograph shows the 17th WPC home page, containing all information on the congress, on the Rio Oil & Gas Expo 2002, on Rio de Janeiro, as well as the official newsletter, technical tours, speakers and everything else that will take place before and during the event. Developed by Promon®IP, one of Brazil’s most respected systems integration firms, WPC’s is a user-friendly site, and will be updated often in English and Portuguese. The site will be the principal medium between organisers and delegates.

www.wpc2002.com
In the 26th floor of a building in downtown Rio de Janeiro, a team of 21 people bends over a map of the Riocentro conventions facility in order to check event organisation details. Booked to host the 17th WPC and Rio Oil & Gas Expo 2002, this facility boasts 100 thousand square meters in area, and there’s a great deal of work left to be done so as to determine how each little space is going to be taken.

A stunning view may be seen from the huge window panes surrounding the whole floor where IBP (Brazilian Oil and Gas Institute) is headquartered. The sky and the sea are bright-blue and the pleasant temperature suggests fun and games. Far off, the profile of the Corcovado and the Sugar Loaf preside over the unique beauty of Guanabara Bay, not to mention the Tijuca Forest and the famous beaches. Yet at present, no one pays attention to the landscape. Every one feels both exhilarated and tired after months of hard work clinching deals with suppliers and sponsors. The Organising Committee is planning on making the first week of September an unforgettable experience for the 3,000 WPC delegates and those who will accompany them.

Beautiful days such as this one should provide a suitable background for the plenary sessions and forums on technological excellence and social responsibility in the oil industry. According to Rio de Janeiro tourism authorities, taken together, the 17th WPC and Rio Oil & Gas Expo 2002 will bring about U$ 13 million to the city. The director at JZ/Hynastha, Professional Congress Organiser, Beatriz Lemgruber, estimates that the congress and the exhibition will generate 5,000 temporary jobs.

Three hundred and fifty journalists from every corner of the world are expected for the event. Edelman Public Relations Worldwide won the bid for the public relations and media consultant’s job. Marsh, the congress newest partner, has just been hired as Official Risk Consultants.

THE 17TH WPC DOES ITS OWN MARKETING IN CONGRESSES AND FAIRS

By taking part in national and international expos, the 17th WPC organising committee deploys one of its most powerful marketing tools.

We are promoting the event in the right places, explains its executive director Milton Costa Filho, who...
recently travelled to the Offshore Europe 2001 Oil and Gas Exhibition Conference in Aberdeen, Scotland, and to several other congresses and exhibitions.

Another important event in which the 17th WPC took part was the 18th World Energy Congress held in Argentina last October. Given the relevance of the congresses visited, executive committee members carried out several promotion activities in Buenos Aires: organising drawings, polling participants, setting up two booths as well as organising a reception in the Brazilian Embassy for more than 200 guests.

Organising committee is currently focusing on closer relations with the 34 sponsors and endeavours to reach approximately 45 companies and institutions.

Nine firms have joined in the last two months — TotalFinaElf, Shell, Baker Hughes, Statoil, Maritima, Fels Setal, Esso, Transocean and Marsh.

See other sponsors on page 8.

ROGE expects record attendance

Rio Oil & Gas Expo 2002 (ROGE) hand in hand with the 17th World Petroleum Congress will offer executives who attend the 17th WPC a unique opportunity to do business. This traditional expo promoted by Brazilian Oil and Gas Institute (IBP) has convened every two years in Rio de Janeiro since 1982. As the centre of the national oil industry, Rio de Janeiro state answers for 80% and 45% of domestic oil and natural gas production, respectively. This makes its capital city the ideal place for events of this sort. The executive secretary of IBP, Ivaro Teixeira, explains: For the first time, Rio Oil & Gas, Latin America’s largest expo, is happening together with a WPC congress, showing numerical evidence of the expo’s growth.

Though the sponsorship programme drawn up for ROGE 2002 will be launched only by early January, the event is already viewed as successful. We’ve already sold 25,000 square meters, celebrates Ana Guedes, in charge of IBP’s events sector. Rio Oil & Gas Expo works as a launching pad for new technology trends. Expos provide a suitable venue for administrators to show the market what they are doing to improve their products and services.

Rio Oil & Gas grows at every edition

<table>
<thead>
<tr>
<th>Year</th>
<th>Area</th>
<th>Visitors</th>
<th>Exhibitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996</td>
<td>11,000 m²</td>
<td>16,000</td>
<td>350</td>
</tr>
<tr>
<td>1998</td>
<td>14,678 m²</td>
<td>28,500</td>
<td>500</td>
</tr>
<tr>
<td>2000</td>
<td>21,000 m²</td>
<td>30,000</td>
<td>650</td>
</tr>
<tr>
<td>2002*</td>
<td>30,000 m²</td>
<td>35,000</td>
<td>800</td>
</tr>
</tbody>
</table>

*Expected
Exciting prospects

in the energy business. The state of development of the national oil and gas industry, the opening of the sector to new investors, the mastery of offshore E&P technology and the huge potential of the Brazilian market, all contributed to Brazil having been chosen as host for the congress. Given so many factors, we can only believe that this meeting will afford a great deal of knowledge, experience and technology-sharing among participants.

Could you share your views on the market for oil, gas and energy in Brazil?

JPVF: The Country’s current electric power crisis proved, among other things, that the strategic option the Brazilian government made as it gave priority to investments in the exploration, transportation and retailing of oil and natural gas, was completely in line with the future.

In the past, natural gas used to represent 2% of the Brazilian energy matrix. It is now being estimated that this percentage will reach 12% in the 10 years to come.

Considering the investments that international companies are making in the offshore segment, we can say that prospects in E&P are quite good. Moreover, we believe that Brazil may reach self-sufficiency in oil production sometime in the current decade.

What advantages are there in sponsoring the congress?

JPVF: As Brazil’s largest privately owned company, it is only natural that Ipiranga should rank among the sponsors of this congress. After all, this is the biggest and most important meeting in the international oil and gas business. The approximately three thousand delegates expected will surely make this a very lively event as they exchange knowledge, information and business opportunities.

New opportunities

We also expect to enhance the knowledge we have of new techniques as well as to learn about new companies and new opportunities, especially in E&P.

Could you share your views on the market for oil, gas and energy in Brazil?

TC: Undoubtedly, in the short to medium run, this is going to be the market to be in for excellent opportunities. The recently enacted petroleum legislation allowed the entrance of new players committed to bringing investments and, above all, new ideas. The number of employment opportunities will rise significantly. New operation bases will open, promoting accelerated development in several municipalities. The increase in natural gas consumption has brought meaningful results in several industry segments. The construction of thermoelectric plants and the laying of new gas pipelines have leveraged the construction and engineering markets significantly.

What advantages are there in sponsoring the congress?

TC: First of all, the recognition of an event of such magnitude as this one. By sponsoring the 17th WPC we intend to show how serious we are about publicizing our Company’s involvement in the industry, and about contributing toward the event’s complete success.
The delights of Rio de Janeiro for all

The colonial-style buildings of Old Rio and landmarks such as the Corcovado and the Sugar Loaf. The tour programme developed for 17th WPC delegates and their accompanying persons was designed so as to offer something for every one, allowing them to become acquainted with the many sides and charms of Rio de Janeiro.

According to organiser, Jos Roberto Costa, Blumar Travel Agency director, the programme encompasses the three most attractive aspects of Rio: the tourist sites, the city’s natural exuberance and its cultural and historic side.

Some of the tours offered will take you to the world-famous Sugar Loaf and, of course, the Corcovado, where you will be able to hug Rio de Janeiro from above while standing at the feet of the statue of Christ the Redeemer. And if you are among those who would like to learn something about local customs, a place to go is the Hippie Fair meeting every Sunday in Ipanema. There, you can shop for handcrafts and souvenirs.

For the historically inclined, a visit to the downtown area is a must. The Historical and Cultural Tour will take you to sites of historic relevance such as the São Bento Monastery, Praça XV, the two-storey colonial-style buildings of Old Rio, the Metropolitan Cathedral, Arco do Teles, the Candelária Church and the Banco do Brasil Cultural Center. To top it all off, a stop for tea in Rio de Janeiro’s centenary tea room, Confeitaria Colombo.

If you would like to leave the urban frenzy behind, you may wish to take a short trip to Petropolis. Just one hour away from Rio, nestled in the mountains, the Imperial Town— as Petropolis is often called for having served as Emperor Dom Pedro II’s summer residence — lures visitors with a host of attractions. Landmarks such as the Imperial Museum, the wonderful Crystal Palace and the town’s period architecture are some of the most popular attractions.

Petropolis is also a gastronomic centre, offering Brazilian, French and Italian cuisines.

The sight of Rio from above and a unique and unforgettable thrill await those who take the Helicopter Ride. Another equally interesting option is the Jeep tour in Tijuca Forest, the world’s largest urban forest. Aside from allowing you to become acquainted with the exuberant vegetation of this singular park, this tour will also give you the opportunity to stroll along park trails and valleys. As the most exotic trips, the Jeep Tour and Helicopter Ride are likely to attract the largest number of visitors among delegates, Jos Roberto Costa believes.

For additional tour information, please call (+55 21) 3875-9300 or visit:

www.wpc2002.com
The 17th World Petroleum Congress is proudly sponsored by:

Master Sponsor

Petrobras

Institutional Sponsors

Gold Sponsors

Silver Sponsors

Bronze Sponsors

Official Legal Advisors

Official Air Carrier

Official Auditors and Consultants

Official Risk Consultants