

ALTERNATIVE FUELS SYMPOSIUM

3RD ANNUAL ALTERNATIVE FUELS SYMPOSIUM TUESDAY 9 MARCH 2010

With growing concerns about the climate change and the pressure to move towards cleaner environment, alternative fuels are becoming a global commercial force.

Developed and developing nations alike are looking to all forms of biofuels, hydrogen and fuel cells, electric and hybrid drive as an important alternative to fossil fuels or to significantly decrease the demand for such fuels.

9:00 Alternative fuels and the global scenario: from alternative to imperative

- Alternative fuels: What credible business models and policies are associated with these.
- The role of alternative transport fuels in mitigating climate change and options for biofuels: a perspective from BP.
- The Ethanol policy under the spotlight, global climate, targets, funding and sustainability. A Brazilian perspective in the face of Europe.
- Comparative analysis of hydrogen fuel cell, battery electric and hybrid vehicles in a sustainable road transport.

Jean François Gruson, Chief of Economic Department, **INSTITUT FRANCAIS DU PETROLE**

Olly Mace, Technology, Strategy and Regulatory Affairs Manager, **BP**

Allan Kardec Duailibe, National Director of Fuels, **(ANP) National Agency of Petroleum, Natural Gas and Biofuels**

Nicolas Meilhan, Senior Consultant, **FROST & SULLIVAN**

10:30 Coffee Break

11:00 Keynote address. Regulatory updates: Feasibility of achieving Renewable Directive objectives.

Raffaele Liberali, Director of Energy Technology Research - **European Commission**

11:30 Biofuels: new generation biofuels, flexi-cars and key market drivers, restraints, challenges and perspectives for the sector

- 2nd generation biofuels: New technologies and developments available.
- Flexi-cars: Offering a solution for a range of (alternative) biofuel approaches (bio-MTBE, DME, hydrogen, biodiesel).
- Conversion of vegetable oil: best practices and technologies.
- Technical challenges and issues in commercialising Biorefinery concepts.
- Latest projects within the BTL and GTL feedstock and the impacts on the fuel sector.

Chairman: Eelco Dekker, CMO, **BIOMCN**

Emmanuel Desplechin, Chief Representative in the European Union, **(UNICA) Brazilian Sugarcane Industry Association**

Philipp Hauck, Business Development Manager, **HTE**

12:30 Luncheon with social networking opportunity

14:00 Hydrogen fuel cells: case studies of market penetration and driving technologies for the future

- Market penetration of fuel and driving technologies for the future.
- Exploring the range of future hydrogen technologies, building and recharging hydrogen infrastructures.
- Case study: Scandinavian Hydrogen Motorway.
- Fuel cell vehicles on the road: California Fuel Cell Partnership case study.
- Fuel cell projects: hydrogen –hybrid buses for public transport.

Chairman: Jean François Gruson, Chief of Economic Department, **INSTITUT FRANCAIS DU PETROLE**

Duncan Macleod, Vice President, **SHELL HYDROGEN**

Henri Winand, CEO, **INTELLIGENT ENERGY**

Anthony Brenninkmeijer, Director, **DUTCHHY**

15:30 Tea Break

16:00 Automotive industry panel: a new era in front of your eyes. Are we ready for that?

- Renault, Peugeot and Lotus: answers on 2020 energy and environmental challenges: which fuels, which powertrain and vehicle technologies ?
- Quantitative comparison: Hydro fuel cells versus electric vehicles.
- The cost of electric infrastructure: how much?
- Range extenders: how ready are we?
- Electrical car: potential to substitute liquid fuel with electricity.

Chairwoman: Muriel Desaeger, General Manager, **TOYOTA MOTOR EUROPE**

Tom Read, Chief Executive, **SCOTTISH HYDROGEN & FUEL CELL ASSOCIATION**

Philippe Schulz, Senior Manager Strategic Environmental Planning **RENAULT**

Pierre Macaudiere, Head of Fuels and Emissions Control, **PSA PEUGEOT**

Dr Richard Pearson, Technical Specialist, **LOTUS ENGINEERING**

17:30 Closing remarks and end of the symposium

19:00 Pre-conference registration and welcome reception

DAY ONE

EUROPEAN FUELS CONFERENCE, WEDNESDAY 10TH MARCH 2010

09:00 Renewable Energy Directive (RED) and Fuel Quality Directive (FQD): how these regulations are affecting the refining industry

- Low carbon future fuels: delivering on Fuel Quality.
- Implementation of climate change packages: EU ETS, Fuel Quality and the Renewable Directive and the CCS Directive.
- IMO fuel specifications: update on the implications for the refiners.
- Government legislative framework to accelerate the production and distribution of alternative jet fuels.

Chairman: Giacomo Rispoli, Senior Vice President R&D, **ENI**

Isabelle Muller, Secretary General, **EUROPIA**

Eelco Dekker, CMO, **BIOMCN**

10:30 Coffee Break

11:00 Keynote presentation: Fatih Birol, Chief Economist, INTERNATIONAL ENERGY AGENCY

11:30 Global demand and supply of fuels market: overcoming the impact on European refiners operations

- What is the evaluation of fuel quality globally? How a fuel market develops and how this will affect other sectors (e.g. agriculture, railway)
- What is the impact on European refiners from the global fuels market evolution?
- What are the major supply and demand issues?

Johannes Benigni, Managing Director, **JBC ENERGY**

Simo Honkanen, VP HSSE, **NESTE**

12:30 Luncheon with social networking opportunity

14:00 How European refiners are striving to maintain profitability and efficiency during the current economic environment: case studies

- Challenges and prospects: How will the European refining market remain competitive?
- Survivability and future profitability of European refining.
- Sustainable biofuels: overcoming the blending goals.

Giorgio Cervi, Planning and Development Director, **CESKA REFINERSKA**

Andras Hollo, Product Development Manager, **MOL**

Bogdan Janicki, Director for strategic Studies Department, **GRUPA LOTOS SA**

15:30 Tea Break

16:00 Clean fuels technology: how refinery technology and processes help refiners achieve fuel specifications, maintenance optimisation: how to improve efficiency and productivity

- Reduce the GHG environment impact through cleaner fuels.
- Catalyst advancements to increase refinery profitability.
- Increasing hydro-cracking capacity to contribute to overall refining margins.
- Improve asset management and optimize shutdown planning

Eric Benazzi, Marketing Director, **AXENS**

Claus Peter Haelsig, Vice President Process & Technology, **FLUOR**

Alain Floutier, Industry Solutions Marketing Director, **DASSAULT SYSTEMES**

17:30 Close of day one

19:00 Gala evening hosted by

DAY2

THURSDAY 11^H MARCH 2010

09:00 Global environmental opportunities for automotive, marine and aviation fuels: achieving fuel specifications

- Diesel vs gasoline: How to reach the goals of automotive sector?
- Accelerating the shift to low carbon vehicles and fuels : How the car industry plans to meet low carbon targets
- The impact on the high sulphur product market caused by the IMO fuel quality specifications?
- Environmental issues in the aviation industry

Peter Tjan, Managing Director, **PT MANAGEMENT**

Paul Steele, Director Aviation Environment, **IATA (International Air Transport Association)**

Muriel Desaegeer, General Manager, **TOYOTA MOTOR EUROPE**

10:30 Coffee Break

11:00 Automotive fuel specifications for the future: how are the refiners coping?

- Fuel specifications for cars: reduction of emissions
- Compatibility of fuel with alternative car engines
- Technologies development of fuel specifications for automotive: What automotive managers are expecting?
- Gasoline: the real fuel of the automotive sector, a refiners' answer to the automotive manufacturers

Chairman: Peter Tjan, Managing Director, **PT MANAGEMENT**

Trevor Fletcher, Chairman of the Board, **NGVA EUROPE**

Robert Gmyrek, Director Biofuels, **PKN ORLEN**

Philippe Girard, Scientific Director, **TOTAL**

12:30 Luncheon with social networking opportunity

14:00 Keynote presentation: Jean Jacques Mosconi, Senior Vice-President Strategy and Development, **TOTAL**

14:30 Marine clean fuel specifications and its impact on the industry. Interactive discussion with the entire value-chain including: bunker suppliers, ship-owners, regulators, port authorities, engine manufacturers and technical solution providers.

Interactive balanced discussion with bunker suppliers, ship-owners, regulators, port authorities, engine manufacturers and technical solution providers.

Ian Adams, Chief Executive, **INTERNATIONAL BUNKER INDUSTRY ASSOCIATION (IBIA)**

Kjeld Aabo, Director, **MAN Diesel**

Monique Vermeire, Fuels Technologist, **CHEVRON GLOBAL MARINE AND POWERGEN**

16:00 Tea Break

16:30 Challenges of development and deployment of aviation alternative fuels

- Implications of the ETS for the aviation industry
- Cost of alternative fuels for aviation specifications.
- Aviation alternative fuels: why do we need them and what are the benefits derived?
- Challenges to development and deployment of aviation alternative fuels.

Christian Dumas, Vice President Sustainability and Eco-Efficiency, **AIRBUS**

J. Walker, Technical Director, **AIR BP** (invited)

Pierre Albano, Vice President Environment, **AIR FRANCE** (invited)

17:45 Close of day two

CO2 AND ENERGY EFFICIENCY FORUM, FRIDAY 12TH MARCH 2010

There is an increasing intolerance for any kind of CO2 pollution, and the regulations are becoming more and more stringent and the drive for competitiveness, accompanied by concern for the environment will continue to drive forward technological innovation and research in the CO2 sector.

9:00 Regulatory updates: implementation of EU ETS and CCS Directive when living in a CO2 constrained world

- European Commission CO2 regulations on fuel quality
- Challenges and opportunities in the climate change policy post- Copenhagen
- EU ETS: advancement strategies

Pierre Dechamps, Adviser Energy and Climate Change, **EUROPEAN COMMISSION**

Paul McConnell, Energy Markets Analyst, **WOOD MACKENZIE**

10:30 Coffee Break

11:00 Roadmap on how refiners are looking to improve energy performance operationally

- Continuing the use of fossil fuel while reducing carbon
- Energy efficiency: Technical challenges and estimation of costs
- Developing and implementing the most appropriate energy management strategy
- Increasing energy efficiency in your refinery
- Energy conservation: Technical issues in refinery processing

Philippe Marchand, Head Of Corporate Planning Division, **TOTAL**

Frigyes Lestak, General Manager, CO2 Efficiency, **SHELL**

Esa Tamminen, Senior Engineering Associate, **NESTE OIL**

12:30 Luncheon with social networking opportunity

14:00 Most cost effective way to reduce CO2 emissions: the latest research and development advances

- CO2 reduction: Optimise your refinery setup for minimum CO2 emissions
- Achieving CO2 emission standards for productivity and efficiency
- Decreasing CO2 emissions in the life cycle of fuel production: from exploration to production level
- CO2 emissions related to the development of alternative fuels
- Technology advancements to fast track your route to profitable emissions compliance
- What is the optimal product to reduce CO2 emissions for refiners?

David Weeks, Technology Manager, **MW KELLOG**

Fabrizio Palmeri, Marketing Manager, **ALFA LAVAL**

15:30 Coffee Break

16:00 Carbon Market: identifying and securing opportunities for refineries

- Future outlook for the carbon market
- The latest CO2 capture technologies
- CCS value chain: Best practices for capture, transmission and storage of CO2
- CCS economic challenges: outcome of current projects

- Refineries opportunities to capture CO2

Tibor Papp, Head of Trading, **MOL Group**

Hubert Fabriol, Head of the Safety and Impacts of CO2 Storage Unit, **BRGM**

17:30 Closing remarks and end of the workshop