



Green Ship Seminar Paris 2014

Thursday 13th November, 2014
6/8 Avenue de la Porte de Champerret
75017, Paris

8h15 Registrations and coffee

8h45 First session Chairman Introduction words by Mr **Martial CLAUDEPIERRE**, *Business Development Manager, Bureau Veritas*.

8h50 Welcome by Mr **Jean LE TALLEC**, *Président, ATMA*

9h00 Opening speech by Mr **Julien BURDEAU**, *Directeur de l'innovation, Gaztransport & Technigaz (GTT)*

SESSION ONE - ALTERNATIVE FUELS AND 2015 PERSPECTIVES

Each presentation duration is 20mn.

9H15 – How IMO ambitious regulation evolution will trigger major technical changes
By Mr **F.X. Rubin de Cervens**, *Alternate Permanent Representative of France to the IMO*

9H35 – Mission GNL

- Status of the LNG mission
- Main funding resources from EU

Mr Jean Bernard ERHARDT, *Mission de coordination GNL, MEDDE France*

9H55 – LNG as fuel, Shipyard's perspectives

- Benchmarking solutions for emission compliance
- Bunker vessel case study

Mr Matthieu LORANG, *LNG Product Manager, STX France*

10H15 - Forecasting the LNG as fuel market

- LNG bunkering strategy from GdF
- Quality and quantity testing challenge

Mr François CAHAGNE, *VP Retail LNG, GDF SUEZ*

10H35 - IGF code updates and LNG bunkering, the way ahead

- IGF Code adoption, conclusions and perspectives for the industry
- IACS LNG as fuel bunkering guidelines, a consistent effort for a solid regulation

Mr Martial CLAUDEPIERRE, *LNG Business Development Manager, BUREAU VERITAS*

10H55 - Reviewing and analysing dual fuel engine technologies

- Understanding individual characteristics of 4 strokes DF
- Progress in low load gas mode and methane slip mitigation

Mr François de Bovis, *Director, MaK*

11H15 – New 2 strokes DF Low Pressure and last generation LNG Packs



- Advantages and backdraws of LP versus HP DF engines
- New containment systems Type C

Mr Yves BUI, *Director*, **WÄRTSILÄ**

11H35 – Development of LNG bunkering network on the French Atlantic Coast

- The challenge for providing an attractive new fuel as LNG in a short time basis
- Port of Nantes St-Nazaire case study

Mr Benoit TOMMY-MARTIN, *Chargé d'Affaires*, **ELENGY**

11H55 – Experience from shore and marine use of LNG Type C tanks

- Norwegian experience of bunker station with large Type C LNG storage tanks
- Francesco project the fastest ferry with LNG as fuel

Mr Joris VAN KREIJ, *Global Sales Manager, Ship Fueling Solutions*, **CHART INDUSTRIES**

12H15 – The use of membrane tank for LNG as fuel storage,

- Case study of ULCC LNG as fuel
- Being designed as LNG prepared

Mr Arthur BARRET, *Business Development Manager*, **GTT**

12H35 – Questions & answers session 1

12H50 - BREAK FOR LUNCH BUFFET - NETWORKING

SESSION TWO - IMPROVING ENERGY EFFICIENCY

13H50 2nd session Chairman Introduction by **Mr Mokrane YATAGHENE**, *Vice President*, **ATMA**

14H00 – CISCO system onboard Allseas Offshore vessels

Mr Gino CORLETO, *system engineer*, **CISCO systems**

14H25 - Wind propulsion for cargo ships and workboats analysis

Mr Philippe PALU de la BARRIERE, *Director*, **CRAIN**

14H50 - Economically viable, wind-based ship propulsion concept

Mr Patrick Englebert, *Associate*, **PROPELWIND**

15H15 – Turbo sail – a proven technology for wind propulsion

Mr Pierre Yves COUSTEAU, *Associate*, **TURBOSAIL**

15H40 - CFD Hull and propeller performance assessment management to improve energy efficiency

Mr Erwan JACQUIN, *Managing Director*, **HYDROCEAN**

16H05 - EcoDesign / EcoConception of ships and naval vessels

Mme Gaëlle ROUSSEAU, *Responsable Eco-conception*, **DCNS**

16H30 - Questions and Answers – Wrap up

17H00 - Conclusions and closing remarks by Mr Philippe DONCHE GAY, *Executive Vice-President in charge of the Marine & Offshore Division* – **BUREAU VERITAS**

LNG INFRASTRUCTURES

CASE STUDY