



**BULK TERMINALS 2017 – ACHIEVING EFFICIENCY AND COMPLIANCE**  
***The Inaugural Association of Bulk Terminal Operators (ABTO) Conference***  
**Tuesday 31 October – Wednesday 1 November 2017: Danubius Hotel, London**

**CONFERENCE PROGRAMME – FINAL**

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**Conference Day One: Tuesday 31 October 2017**

**08:15 Registration and refreshments**

**09:00 Chairman's opening remarks and introducing ABTO**

*Ian Adams CDir, FIoD, IEng, FIMarEST, Chief Executive, Association of Bulk Terminal Operators*

**MARKETS AND STRATEGIC OVERVIEW**

**09:15 Keynote: Which way now for the dry bulk market?**

*Susan Oatway BSc, FICS, Associate, Drewry Shipping Consultants*

**09:45 Sources of finance for investment – Case Study: Takoradi Dry Bulk Terminal**

- PPP brief from the client: Ghana Ports & Harbours Authority
- The selection process
- Our goal: transparent public procurement, improving efficiency, reducing cost and pollution.

*Paul van Eulem MSc, MBA, Director, MTBS*

**10:15 Panel session and questions**

*Panel Chairman: Ian Adams*

**BIOMASS**

**10:30 Simulations: tools for capacity analysis – support transitions to biomass handling**

- The impact of stochastic on terminal operations
- Biomass handling: similarities and differences
- Case study: simulations for biomass handling

*Dr Mi-Rong (Kimberly) Wu MSc, Project Manager, TBA Netherlands*

**11:00 Refreshments**

**11:30 Cargo flexibility in terminal design – integrating biomass and planning for uncertainty**

- Biomass one of the few growth areas of bulk handling in UK ports – but the future of the business is dependent on subsidies which are uncertain
- Significant investments need to be made to handle biomass correctly and the lifetime of such facilities may outlast the “biomass boom”
- How can we plan such facilities to obtain a good prospect of lifetime pay-back even if the biomass trade dies or alters?

*Professor Mike Bradley BSc Hons, PhD, Director, The Wolfson Centre*

**12:00 Moving to mobile**

- The uncertain and changing trends on global commodity prices / trading has emphasised the need for flexibility in dry bulk material handling systems
- Moving away from high investment and the long lead times associated with fixed infrastructure with the alternative of mobile conveying systems
- Meeting the environmental and dust containments requirements
- “Pit to Port” – adding efficiencies to your material handling process

*Carl Donnelly BSc, MSc, MBA, International Sales Manager, Telectack*

**12:30 Case Study: Biomass handling expansion at the Port of Tyne.**

- Managing and controlling operational risk drives the design solution
- Minimising and managing fugitive dust emissions, plus fire and explosion risk
- Operation and maintenance contract timescales, new team and mobilisation
- Key responsibilities and safety management challenges

*David Wragg, Business Development Director, Hargreaves Industrial Services and Former Chairman, Coal Industry Society and Coal Industry Benevolent Association – and – Ian Atkinson, Engineering Director, Spencer Group*

**13:00 Panel session and questions**

*Panel Chairman: Ian Adams*

**13:30 Lunch**

**SECURITY**

**14:45 Cyber crime – update**

- The international cyber threat landscape
- Choices for return on investment
- Cyber governance: what organisational good looks like

*Andrew Fitzmaurice, CEO, Templar Executives*

**15:15 Physical security of a bulk terminal**

- The importance of the ISPS Code as the standard tool for security
- Vulnerabilities in the cargo supply chain
- Plagues of the seas: smuggling, trafficking and stowaways

*Peter Cook, Director, PCA Maritime Ltd*

**15:45 Refreshments**

**16:30 Industry initiatives on cyber security**

- 2<sup>nd</sup> edition of the industry Guidelines on Cyber Security onboard Ships adds focus to the ship/terminal interphase
  - Cyber resilient ships and equipment start with the development of software
- Aron Frank Sørensen Master Mariner, Dip. Bus. Admin., Head of Maritime Technology and Regulation, BIMCO*

**17:00 Achieving the balance between security and operability**

- Web enabled communications and controls
  - Cyber stealth renders business impossible
  - The workable balance
- Dr Andrew Adekunle, Lecturer, University of Greenwich Faculty of Engineering and Science*

**17:30 Panel session and questions**

*Panel Chairman: Ian Adams*

**18:00 Conference reception**

**Conference Day Two: Wednesday 1 November 2017**

**08:30 Registration and refreshments**

**08:55 Chairman's opening remarks**

*Ian Adams*

**MAINTAINING SAFETY AND ENVIRONMENTAL ISSUES  
PART 1: REGULATION AND LIQUIFACTION**

**09:00 IMO regulation update**

- MARPOL Annex V
  - IMSBC Code
  - Liquefaction – latest developments
- Ian Adams*

**09:20 Cargo sampling**

- Reasons to sample – compliance and safety
  - Stockpile sampling versus running sampling
  - Safety considerations
  - Common mistakes and misconceptions – the representative sample?
- Professor Mike Bradley BSc Hons, PhD, Director, The Wolfson Centre*

**09:45 Managing potential liquefaction of cargoes – a lack of compliance with an inadequate IMO code**

- How common is the problem?
  - Terminals recognise their responsibility in the management of these cargoes
  - Need for greater cooperation between terminals, shippers and ship operators.
- Dr Rob Berry HND, BEng, PhD, Research Fellow and Consultant Engineer, The Wolfson Centre*

**10:15 Liquefaction – a *global concern***

- Mitigating the risk or cargo instability pre-loading
- Regulatory requirements v common practice on the ground
- Ongoing work with stakeholders

*David Bolomini, Group Secretariat, International Group of P&I Clubs*

**10:40 Panel Session: Sampling and liquefaction**

*Panel Chairman: Ian Adams*

**10:55 Refreshments**

**SPECIAL SESSION – PORTS AND RAIL CONNECTIONS**

**11:25 Panel Session: Rail Connectivity – *benefits of increased intra-terminal rail connectivity to port utilisation, the facilitation of international trade and reduced emissions***

*Panel Chairman: Julian Worth CMILT, Chairman, CILT (Chartered Institute of Logistics and Transport) Rail Freight Forum – and –  
John Prescott, Former Deputy Prime Minister, House of Lords – and –  
Garry Sharpe Project Director (Mersey), Peel Ports Group – and –  
Dafydd Williams, Head of Communications – Humber, ABP*

**MAINTAINING SAFETY AND ENVIRONMENTAL ISSUES  
PART 2: EMISSIONS AND RISKS**

**11:55 Unloading, storage and discharge of bulk commodities – *dealing with resultant emissions***

- Emissions from dry bulk commodities is a serious concern.
- Emissions can result in loss/devaluation of product
- Emissions can be harmful pollutants and safety hazards

*Sean O'Sullivan BSc, CEng, FIEI, Engineering Director, Buttimer Engineering Group*

**12:25 Risk factors to keep you awake – *an analysis of operational claims within bulk terminals***

- Injuries
- Quay cranes and booms
- System and processes

*Andrew Huxley, Regional Development Director, TT Club*

**12:55 Panel Session and Questions**

*Panel Chairman: Ian Adams*

**13:05 Lunch**

**ACHIEVING OPERATIONAL EFFICIENCIES**

**14:00 Gladstone Biomass Terminal – *creating a modern, world class bulk terminal***

- The journey to safely transform a steel terminal in to a biomass terminal in under 2 years
- Recognising the benefits of the project to the local and regional economy
- Establishing and maintaining sustainable performance

*Garry Sharpe, Project Director (Mersey), Peel Ports Group*

**14:30 Operational efficiency from the ships perspective**

- In 2014 BIMCO launched its bulk terminal vetting scheme
- BIMCO gives a star rating showing the performance of the terminal, together with more detailed information about the ship's experience during the port visit
- Results achieved so far and future possibilities

*Aron Frank Sørensen Master Mariner, Dip. Bus. Admin., Head of Maritime Technology and Regulation, BIMCO*

**15:00 How to achieve operational efficiencies**

- Apply lean thinking to develop high performance work teams
- Embed a structured framework for effective performance management
- Transfer manufacturing best practices into infrastructure operations

*Richard Daley, Director, Turner & Townsend Suiko*

**15:30 Panel session and questions**

*Panel Chairman: Justin Atkin, Director, Ragged Edge Recruitment and Consulting*

**15:45 Chairman's closing remarks**

**15:50 Refreshments**