

# DUAL Ports

De-carbonizing port business today

## INVITATION to LNG-Workshop in Skagen, Denmark

Port of Skagen has the pleasure of inviting you to participate in a high levelled workshop about Liquefied Natural Gas (LNG). The workshop is a part of the North Sea Region Interreg project DUAL Ports and will take place at Color Hotel in Skagen, Denmark. The workshop will also give you the opportunity to gain an insight into the development plans for Port of Skagen.

**Venue: Color Hotel, Gl. Landevej 39, 9990 Skagen**

**Time: Thursday 6th of September 2018**

**Registration: Make your registration before Wednesday August 29<sup>th</sup> to Mr. Jesper Rulffs, Port of Skagen at mail: [JKR@PORTOFSKAGEN.COM](mailto:JKR@PORTOFSKAGEN.COM)**

### Programme:

09:30 - 10:00 Registration and coffee

Moderator of workshop Partner Mr. Jens Henrik Møller, GEMBA Seafood Consulting A/S

### Block 1: General introduction to Port of Skagen, DUAL Ports and LNG

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|---------------|--|
| 10:00 - 10:20 | Welcome and introduction to Skagen and Port of Skagen<br>By CEO Mr. Willy Hansen, Port of Skagen   |
| 10:20 - 10:30 | DUAL Ports and the role of Regional Entrepreneurial Ports in the future<br>By Project Leader, Mr. Wim Stubbe, Port of Oostende, Belgium  |
| 10:30 - 11:00 | Sharing experiences from the POSEIDON MED II - LNG Bunkering project<br>By Associate, Corporate Development Activities<br>Mr. Stefanos Chonianakis, DEPA Public Gas Corporation SA, Greece |
| 11:00 - 11:10 | Q & A  |
| 11:10 - 11:30 | Coffee and networking  |

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## Block 2: Use of LNG in the maritime industry - what is the market

- 11:30 - 11:50 LNG - Fishery and new constructions  
By Mr. Frank Normann Jensen, Man Energy Solutions, Denmark
- 11:50 - 12:10 LNG - Cruise and future development  
By Project Leader Mr. Wim Stubbe, Port of Oostende, Belgium
- 12:10 - 12:30 LNG - Shipping and the North Sea Region potential  
By CEO Mr. Jens P. Buchhave, Terntank A/S, Denmark
- 12:30 - 12:40 Q & A
- 12:40 - 13:20 Lunch and networking

## Block 3: Views on the LNG business potential

- 13:20 - 13:40 What are the business conditions to invest in LNG-bunkering facilities?  
By Business development manager Mr. Frej Olsen, Kosan Crisplant, DK
- 13:40 - 14:00 What are the technical conditions to become operational?  
By Vice President Business development Mrs. Julie Sakhrai, Sofregaz
- 14:00 - 14:20 Experiences from LNG Ship Bunkering in Norway and Denmark  
By Mr. Knut Førland, Managing Director, Liquiline LNG, Norway
- 14:20 - 14:40 What is the potential in LNG investments for Skagen and the North part of Jutland?  
By Partner Mr. Kasper Teilmann, GEMBA Seafood Consulting A/S, DK.
- 14:40 - 14:50 Q & A
- 14:50 - 15:10 Coffee and networking

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### Block 4: Technical and Legal issues of LNG in ports

15:10 - 15:30	LNG Bunkering in the Port of Emden - Rules & Regulation By Director Mrs. Hanne Hollander, Niedersachsen Ports GmbH & Co.
15:30 - 15:50	Supply of LNG - by ships or by pipe - Results from Poseidon MED II By Associate, Corporate Development Activities Mr. Stefanos Chonianakis, DEPA Public Gas Corporation SA, Greece
15:50 - 16:10	Lessons from Sweden's first land-based LNG bunker station. By Technical manager for LNG installations Mr. Lars Persson, SWEDEGAS, Sweden.
16:10 - 16:30	Safety issues for storage and handling of LNG By Mr. Olivier Baldan, DVN-GL, Norway
16:30 - 16:55	Panel debate
16:55 - 17:00	Closing of the day by CEO Mr. Willy Hansen, Port of Skagen
17:15 - 18:00	Refreshment and networking opportunity
18:00 - 20:00	Guided tour to Port of Skagen and visit to Grenen (The tip of Denmark)
20:00 - 22:30	Dinner at De 2 have - closing of the workshop

DUAL Ports aims to de-carbonise Regional Entrepreneurial Ports (REPs) through a shared eco-innovation port programme that minimises the environmental footprint. The objective is to specifically develop sustainable utilities and abilities of REPs. This will be achieved by collaboratively piloting and managing technologies, that tackle targeted measurable direct/indirect emission/pollution sources, with a goal of 20% cost reduction and 10% carbon reduction.

#### The objective of DUAL Ports is

- reducing the environmental footprint of regional entrepreneurial ports.
- improving the sustainability of port operational and administration resources.
- promoting responsible growth and supporting eco-innovation-oriented development.

DUAL Ports consists of 10 partners in Germany, The Netherlands, Scotland, Denmark and Belgium. The Port of Oostende in Belgium is the Lead Partner in DUAL Ports.

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