



MINISTRY OF ENERGY OF
THE REPUBLIC OF LITHUANIA



Kingdom of the Netherlands

2nd Lithuanian Netherlands Gas Forum

Wednesday, December 7th, 2016

Kempinski Hotel, Cathedral Square
Vilnius, Lithuania



Nationaal LNG Platform

Narrative of the 2nd Lithuanian-Netherlands Gas Forum

After the successful **1st Lithuanian-Netherlands Gas (LNG) Forum** on November 23rd, 2015, the **2nd Lithuanian-Netherlands Gas Forum** will take place on **December 7th, 2016**. During the first forum and follow-up events, well-received activities took place pertaining to the following focus areas, which will be further elaborated upon in future:

- 1) Collaboration between and with academic institutions (e.g. creation of LNG business and science cluster in Klaipėda, Lithuania);
- 2) Establishment of a National LNG Platform;
- 3) Mid-and downstream applications of LNG identification;
- 4) Development of Klaipėda as a regional LNG hub.

In light of the successful collaboration between academic institutions and the formation process of a National LNG Platform, Lithuanian partners have repeatedly stressed the need for cooperation on **mid- and downstream activities and applications**. This is seen as an indispensable part of the future development of the LNG market in Lithuania and the wider Baltic region. This includes Baltic navigation, road transport, low-particle emission in public transport and off-grid gas supply to isolated settlements.

The **2nd LNG Forum** aims to further deepen bilateral cooperation with regards to small scale LNG developments in mid- and downstream applications by looking at the possibilities of a future unified Baltic LNG market. To this end, the Forum shall serve as a platform for bilateral sharing of innovative approaches in the field of small scale applications development, i.e. **creating an LNG value chain from reloading station all the way to the end-user**.

There are five main areas the Forums will focus on:

- 1) **LNG refuelling stations for road transport** (e.g. heavy duty vehicles, public busses). There are currently no LNG refuelling installations present in the Baltic States. The 1st LNG (LCNG) refuelling station will be opened in Estonia in January, 2017. The closest LNG refuelling stations are in Olsztyn, Warsaw and Srem, all of which in Poland. This country, along with Lithuania, Latvia and Estonia is on the same E67 transport corridor; therefore, it is deemed very likely that two first LNG refuelling stations will be located in Kaunas (Lithuania) and Riga (Latvia).
- 2) **LNG usage in sea transport** for the local needs of the Klaipėda Port and, possibly, in the future for the international Baltic Sea navigation routes. Klaipėda is rapidly developing its LNG activities and in the second half of 2017 will have a fully operational multi-functional LNG terminal onshore, which will satisfy both road and maritime users' needs. Klaipėda Port Authority pioneers having an LNG fuelled tug for the port's own needs. Other companies, which have regular routes to and from Klaipėda are very likely to follow.
- 3) **LNG usage in local military objects**. The military is of key importance to Lithuanian national security, and so is LNG. Mobile or movable LNG installations could be used for satisfying energy needs in more remote localities within the territory of Lithuania.
- 4) **Assurance of LNG supply to off-grid consumers**. There are 14 districts in Lithuania which do not have pipeline gas connections and have to use other energy sources for industrial, heating and transportation needs. LNG has the potential to be a more reliable, cleaner and cost-effective energy source than the ones currently used there. Small scale LNG projects in the Netherlands, Poland and Estonia can prove a valuable source of inspiration in setting this up.
- 5) **Long horizon Regional LNG market creation**. Klaipėda has the potential to become a regional hub to supply small LNG terminals in neighbouring countries and Scandinavia. The thus created Regional LNG market will allow all market players to benefit from an economy of scale.

The first steps towards all this have already been made, and more will be made in the future. The aforementioned developments have already taken place at the GATE terminal in the Netherlands. Drawing from experiences elsewhere could prove beneficial in setting up similar projects in Lithuania, and open the possibility for establishing mutually beneficial relationships.

2nd Lithuanian-Netherlands Gas Forum

Kempinski Hotel Cathedral Square, Universiteto 14, Vilnius

Wednesday, December 7th, 2016

08h30 – 09h00 **Registration**

09h00 – 09h15 **Opening and Welcome**

H.E. Mr. Bert van der Lingen

Ambassador of the Kingdom of the Netherlands to Lithuania

H.E. Mr. Rokas Masiulis

Acting Minister of Energy of the Republic of Lithuania

General Outlook: View from the Public Environment

Moderated by **Mr. Romas Švedas**, *Independent Energy Expert*

09h15 – 09h30 **Mr. Bert Roukens**

Energy Envoy, Netherlands Ministry of Economic Affairs

09h30 – 09h45 **Mr. Patrick Cnubben**

*Team Manager Bio Energy & Gas, Energy Valley
Board Member, National LNG Platform*

Theme 1. Mid- and Downstream Activities

The developments of the mid- and downstream activities in the small scale LNG value chain are promising. Where are the opportunities for cooperation and how can we engage in a fruitful and future-proof cooperation?

Moderated by **Mr. Romas Švedas**, *Independent Energy Expert*

09h45 – 10h00 **Mr. Robertas Kogelis**

Head of Small Scale LNG, Klaipėdos Nafta

10h00 – 10h15 **Mr. Christopher Peponis**

EU LNG Terminal Account Manager, Shell

10h15 – 10h30 **Mr. Haroldas Nausėda**

Director of Commerce Department, Lietuvos Dujų Tiekimas

10h30 – 11h00 **Panel discussion, Q&A**

11h00 – 11h20 *Coffee break*

Theme 2. Education

The development of a solid educational foundation for small scale LNG is necessary to ensure the robustness of this new clean fuel. The educational programme should cover the whole spectrum, from the vocational level to the executive level. The progress in the development of these programmes is highlighted. Exchanges and joint developments are also possible and likely.

Moderated by **Mr. Romas Švedas**, *Independent Energy Expert*

- 11h20 – 11h35 **Mr. Andrej Tibold**
Senior Energy Analyst, Energy Delta Institute
- 11h35 – 11h50 **Prof. dr. Jac Dam**
Professor, LNG Systems at Eindhoven University of Technology and Hanze University of Applied Sciences
- 11h50 – 12h05 **Assoc. prof. dr. Alfredas Chmieliauskas**
International School of Management
- 12h05 – 12h20 **Assoc. prof. dr. Rima Mickevičienė**
Dean, Klaipėdos University
- 12h20 – 12h40 **Panel discussion, Q&A**
- 12h40 – 13h40 *Lunch*

Theme 3. Technology

Small scale value chain presents a number of interesting opportunities pertaining to technological developments. These opportunities will be addressed in the discussion.

Moderated by **Mr. Romas Švedas**, *Independent Energy Expert*

- 13h40 – 13h55 **Mr. Ingo Gatzten**
Director Engineer, Tebodin/Bilfinger
- 13h55 – 14h10 **Mr. Edo Boerefijn**
Sales Engineer, Cryonorm
- 14h10 – 14h25 **Mr. Martin Dean Layfield**
VP Business Dev. & Global Gas Consulting, DNV-GL
- 14h25 – 14h40 **Mr. Artūras Drungilas**
Marketing and Corporate Affairs Director, Klaipėda Seaport Authority
- 14h40 – 14h55 **Ms. Laura Kairienė**
Head of Design and Territory Planning, Baltic Engineers
- 14h55 – 15h15 **Panel discussion, Q&A**
- 15h15 – 15h35 *Coffee*

Theme 4. International Cooperation

The value of international cooperation to position and accelerate the market for small scale LNG will be illustrated through a new Interreg Netherlands-Germany project which has been awarded recently. In the project Dutch and German parties active in the field and interested in small scale LNG work together to exchange knowledge and experience but also engage in the development of small scale LNG infrastructure and use of LNG in both regions. An overview of the project will be given and some projects will be presented. This approach may also generate interest to investigate the possibilities for joint small scale LNG project development using European funding schemes.

Moderated by **Mr. Romas Švedas**, Independent Energy Expert

- 15h35 – 15h45 **Ms. Ingrid Klinge**
LNG Pilot Project: Energy Valley Foundation
- 15h45 – 15h55 **Mr. Leen Schipper**
Mobile Power
- 15h55 – 16h05 **Mr. Christian Schneider**
Liquind
- 16h05 – 16h15 **Mr. Mindaugas Zakaras**
Director, MT Group
- 16h15 – 15h25 **Mr. Alexey Mozgovoy**
Project manager, Gas- und Wärme-Institut Essen
- 16h25 – 16h45 **Panel discussion, Q&A**

Conclusion

Moderated by **Mr. Romas Švedas**, Independent Energy Expert

- 16h45 – 17h30 **H.E. Mr. Bert van der Lingen**
Ambassador of the Kingdom of the Netherlands to Lithuania
- Mr. Bert Roukens**
Energy Envoy, Netherlands Ministry of Economic Affairs
- Mr. Patrick Cnubben**
*Team Manager Bio Energy & Gas, Energy Valley
Board Member, National LNG Platform*
- Mr. Christopher Peponis**
EU LNG Terminal Account Manager, Shell
- Mr. Haroldas Nausėda**
Director of Commerce Department, Lietuvos dujų tiekimas
- Ms. Kristina Rimkūnaitė**
Small scale LNG development manager, Litgas
- 17h30 *Drinks and Networking*