

Litgrid Annual Report 2014

29 April 2015, Vilnius



ensure reliable electricity transmission and enable competition in the open electricity market

Litgrid vision:

full-fledged integration of Lithuania's electricity system into the European electricity infrastructure and the common electricity market, by creating opportunities for competitive economy













Daivis Virbickas

Chairman of the Board

Corporate management, strategy, power system operation Vidmantas Grušas

Transmission grid management

Karolis Sankovski

Strategic infrastructure development

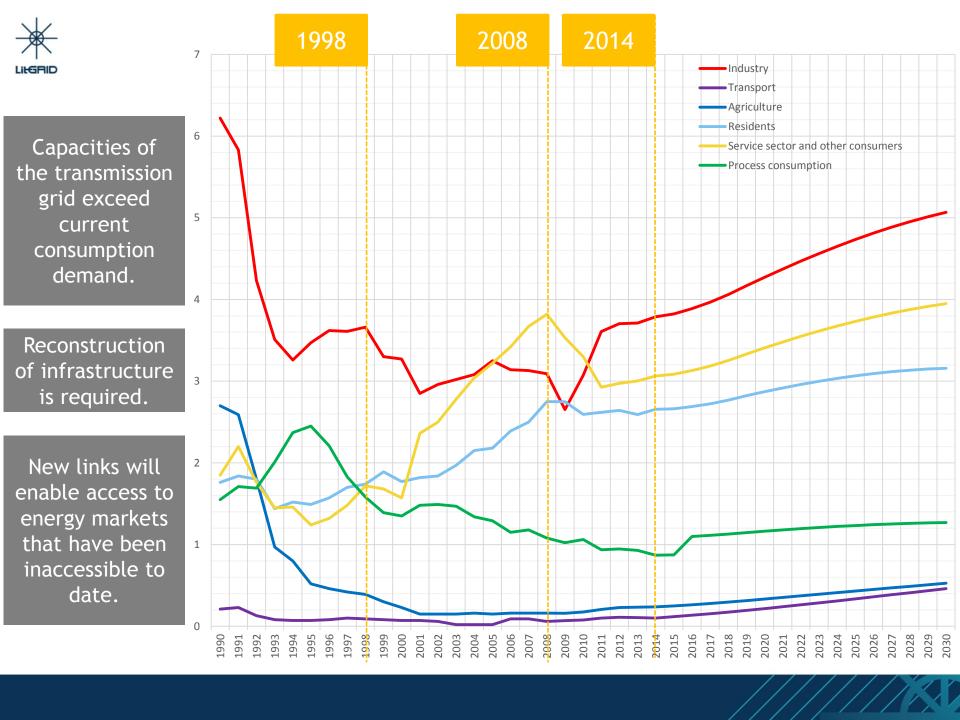
Rimantas Busila

Finance

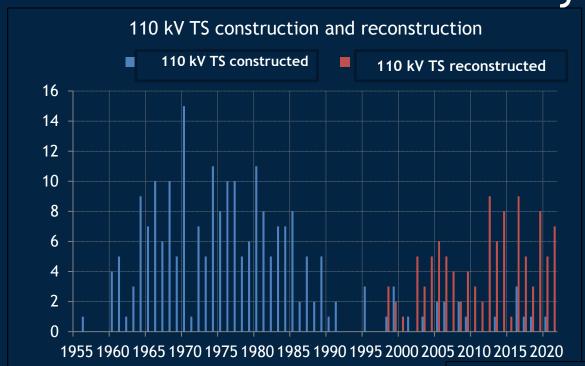
Rolandas Masilevičius

ITT, physical, and information security



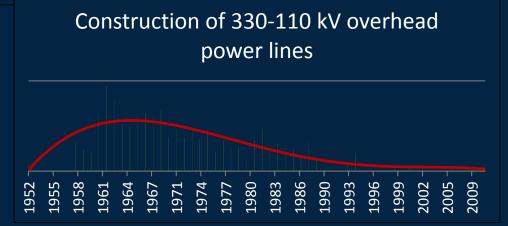


Responsible investments in grid reliability

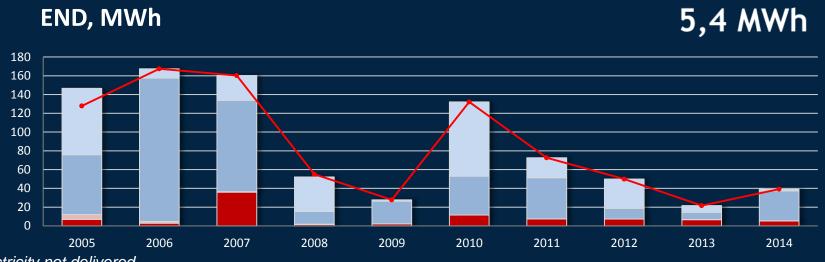




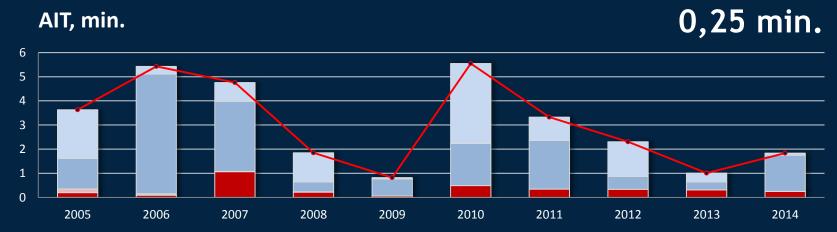
TS – transformer substation



Reliability of transmission network



END, Electricity not delivered



AIT, Average interruption time

Strategic Projects



- First electricity interconnection between Lithuania and Sweden
- 450 km long undersea cable
- 700 MW capacity
- HVDC direct current converters in Klaipėda and Nibru (Sweden)











2004

Completion of the Feasibility Study on Interconnection of the Lithuanian and Swedish power systems

2009

The Baltic Seabed

Survey

In 2010, agreements between Lithuanian and Swedish TSOs were signed, in December - contract on the link-related works concluded.

In 2011, agreement on the intersection of NordBalt and Nord Stream was signed.

In 2011, construction of Klaipėda-Telšiai line launched.

In 2012, manufacture of the undersea cable launched.

In 2014, undersea cable laying works, direct current converter station construction works launched.

In 2014, TS reconstruction in Klaipėda completed. In 2015, current converter equipment delivered to Klaipėda. Manufacture of the undersea cable completed.
Cable laying in the sea continued.
80 % of the link-related works completed.



- Estimated project value: € 552 million
- Powerful link between Lithuanian and Swedish power systems to meet the demand of alternative energy sources
- Already lower prices on futures on the electricity market













Since 1992

Possible options of the link project studied, feasibility studies conducted 2006

Political declaration by Lithuania and Poland on interconnection of the power systems In 2011, TSO
agreements on
project
implementation
signed between
Lithuania and Poland
In 2013, contracts
signed for the
launch of works
related to line and
current converter
station construction

In 2014, line and converter station construction works launched

Construction of overhead line supports, building of the converter station

Reconstruction of Alytus TS

In 2015, equipment for direct current converter station delivered

75 % of the linkrelated works completed



Electricity links - strategic projects of the European Union, the Baltic Sea Region, and Lithuania

- LitPol Link and NordBalt offers Lithuania an opportunity to choose energy resources and guarantee energy independence
- Put on the European energy map they mean the implementation of the Baltic Energy Market Interconnection Plan (BEMIP)

Electricity Market



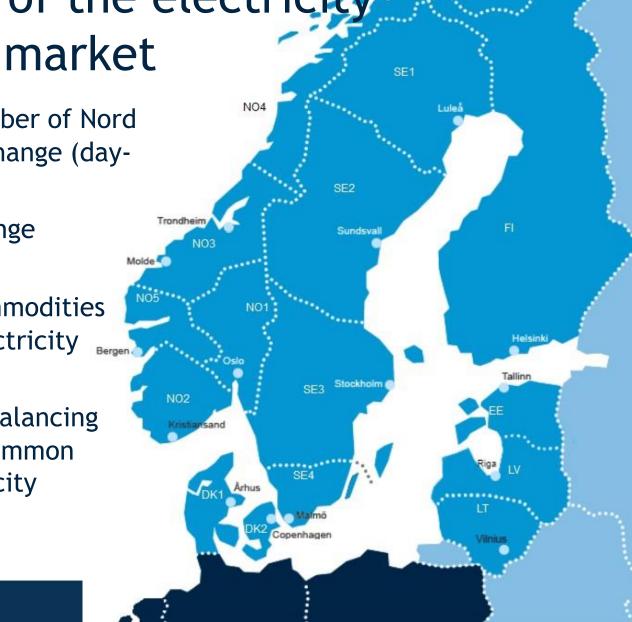
Infrastructure projects - for operation of the electricity

2012 Lithuania - member of Nord Pool Spot electricity exchange (dayahead market)

2013 intra-day exchange launched in Lithuania

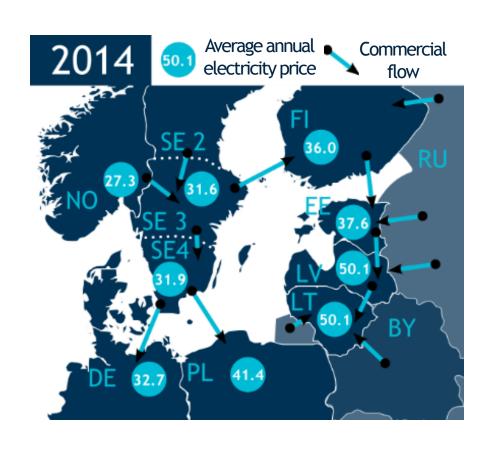
2014 Nasdaq OMX Commodities financial products of electricity market introduced

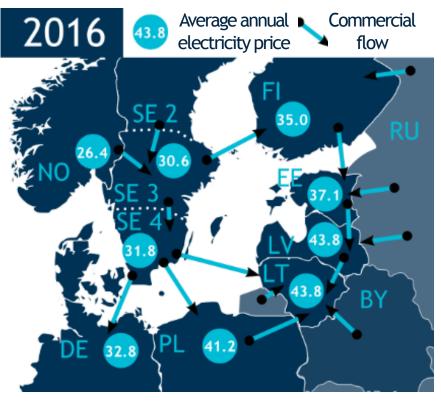
2015 Common Baltic balancing block - a step towards common Nordic and Baltic electricity balancing market





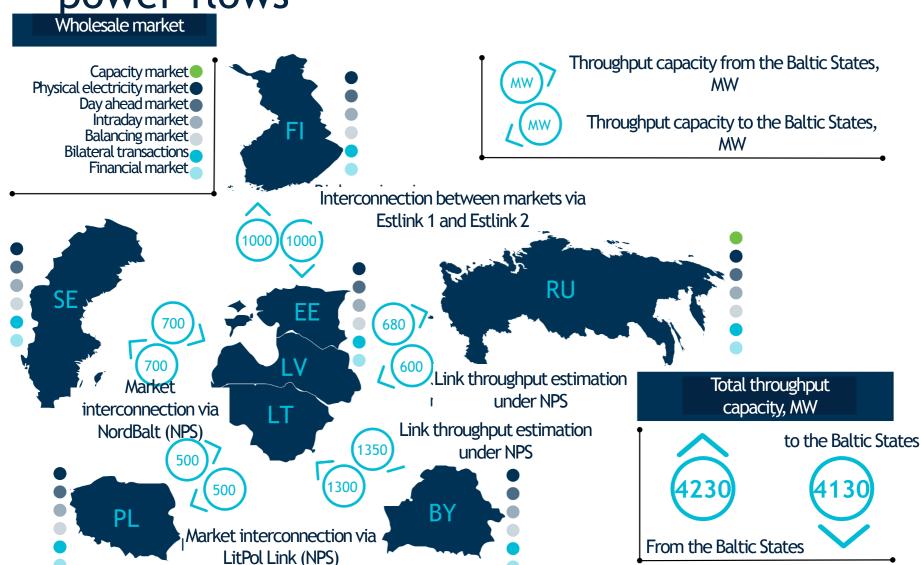
Futures prices indicate 12 % decrease of the electricity market prices







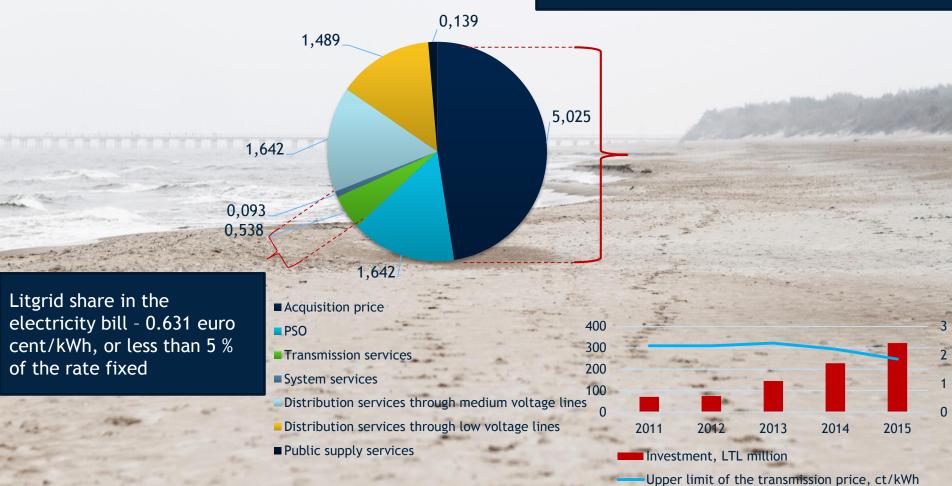
In 2016 we are to become the crossroad of power flows



Regulated Activity

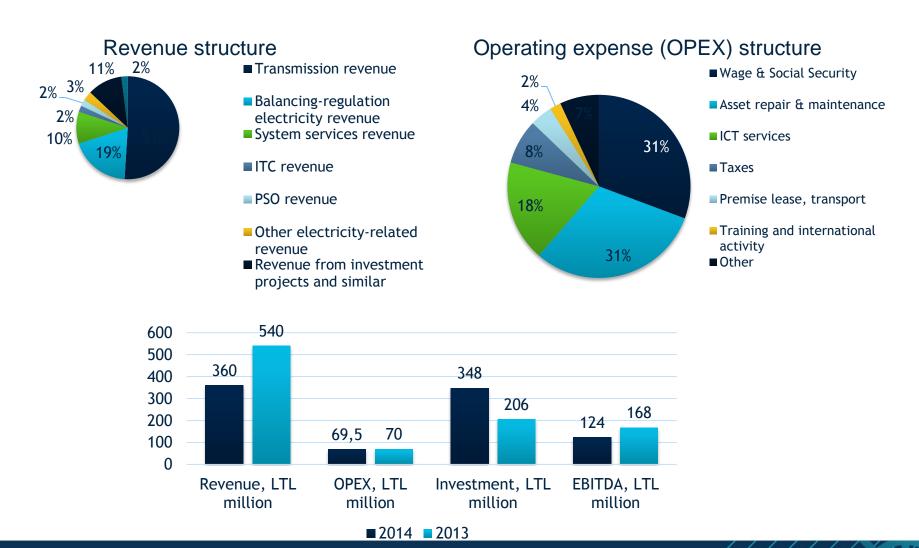
Consumer price on electricity in 2015–12.787 euro cents/kWh

The value of investment into strategic power infrastructure (...) is expected to cut the major share of the electricity price "pie" and offer unparalleled opportunity to boost competitive abilities of the national industry and business several decades ahead





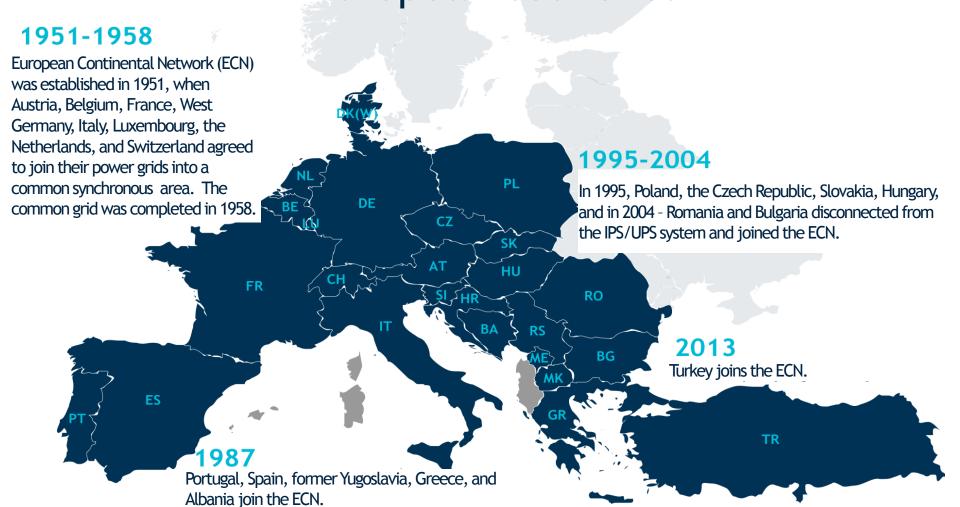
Key financial indicators, revenue and cost structure in 2014



Upcoming Tasks and Challenges



Integration of the Baltic States into the Continental Europe - path guided by the experience of Poland and other Central European countries

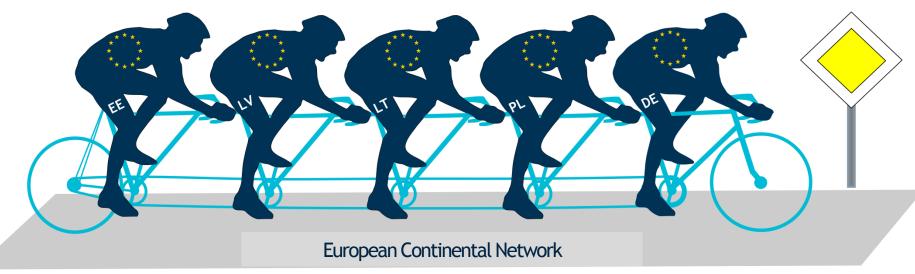




Baltic States to Join the ECN Team

Benefits of integration of the Baltic States into the ECN:

- Reliable operations of the power grids and secure power transmission.
- Coordinated actions in maintenance of installations and planning of further network development.
- Common power grid management regulations: network codes common for all countries of the European Union.
- Guaranteed power availability from the Western European grids.



Our Team at Litgrid







