

Opportunities and challenges for secure energy networks connected with new technologies



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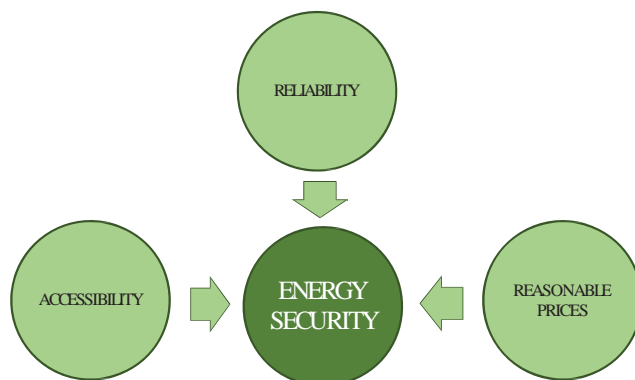
EPSOG EPSO-G (Group of TSOs in Lithuania)

27th OSCE Economic and Environmental Forum


2nd Preparatory Meeting

Bratislava 27-28 May, 2019

How do we understand ,energy security‘?



Where does Lithuania stands now?



Since 2012, Lithuanian energy security has remarkably improved.

Nevertheless, key challenges remain:

- Strong dependence on electricity import
- Dependence and integration into Russian controlled IPS/UPS electricity system
- Declining trend of RES developments

Progress achieved



Challenge No. 1 – Synchronization with Continental Europe

- The Baltic States – the only ones in the EU with their electricity systems in the Soviet system
- No dependency of the energy system on third countries will remain
- Increasing the effectiveness of the market
- The most reliable measure to protect Lithuania from the unsafe Belarusian NPP
- €1.5 billion infrastructure project for Baltics and Poland

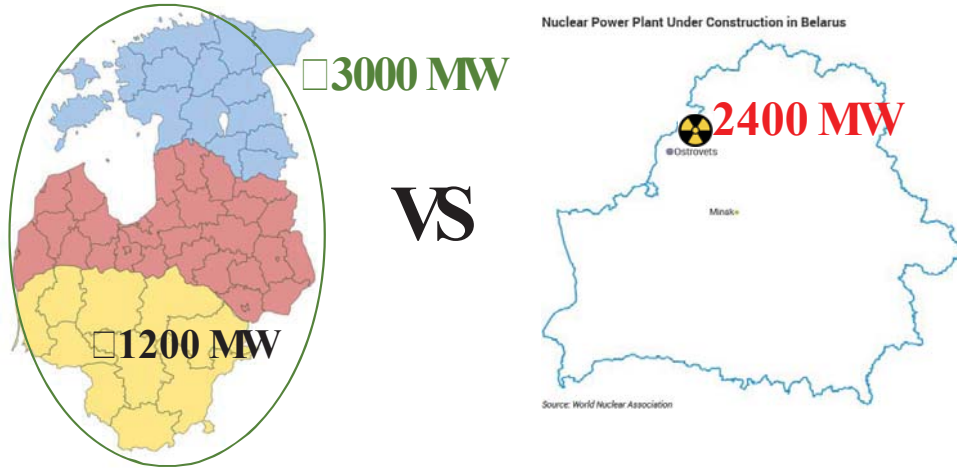


Challenge No. 2 – Gas Interconnection with Poland (GIPL)

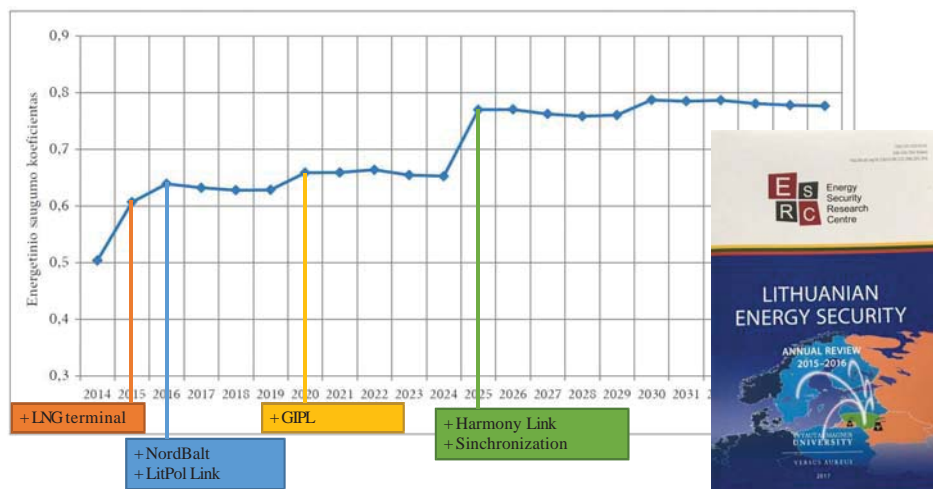
- will integrate gas markets of the Baltic states and Finland into a common EU gas market
- will diversify access to alternative gas supply, sources, routes, counterparties and increase of competition
- will enhance security and reliability of gas supply
- will enable more flexible and efficient use of LNG and transmission infrastructure in Poland and Lithuania
- €0.3 billion infrastructure project for Lithuania and Poland



Threats from Astravets NPP

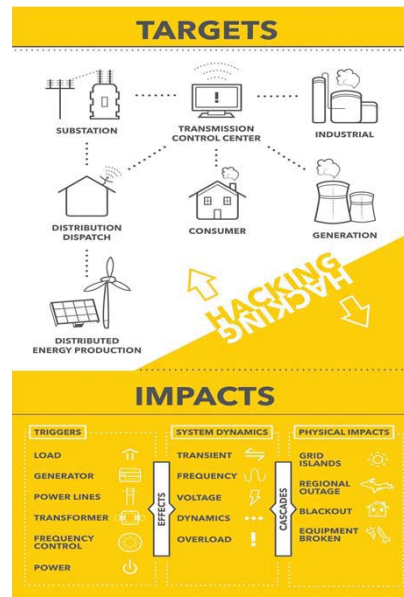


Where will Lithuania stand in 2025?

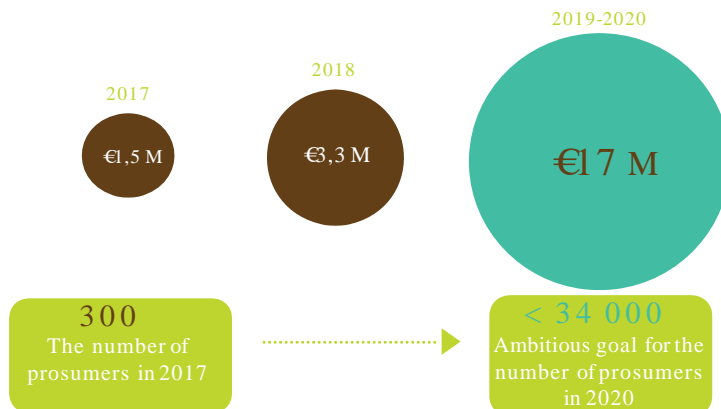


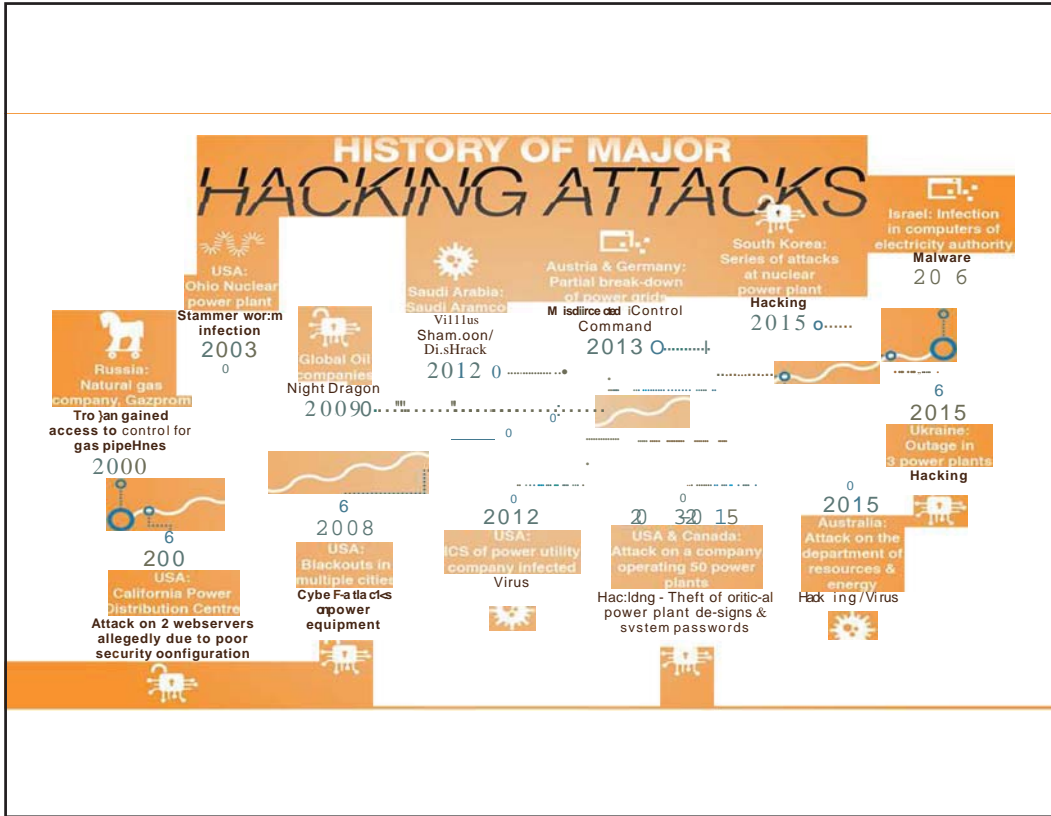
Opportunities and challenges with new technologies

Digitalization and Interdependence



Record-breaking financing for prosumers starting in 2019





Cyber security

NACIONALINIS KIBERNETINIO SAUGUMO CENTRAS PRIE KRAŠTO APSAUGOS MINISTERIJAUS

BBC NEWS Sign in

Ukraine power 'hack attacks' explained

US investigators have accused Russia-based hackers of being behind an attack that caused blackouts across Ukraine in December.

NATIONAL ENERGY INDEPENDENCE STRATEGY

ENERGY FOR LITHUANIA'S FUTURE

CHAPTER IV VISION OF THE LITHUANIAN ENERGY SECTOR

16. The vision of the Lithuanian energy sector is the advanced energy industry that uses zero GHG and non-polluting energy sources, creates added value to the state and the consumer, is resilient to cyber threats and climate changes, and ensures reliable supply of energy at a competitive price. Pursuant to 2030 UN Agenda for

Lithuanian MoD (@LithuanianMoD)

Government approved the new Cyber Security Strategy. The document sets key directions of national #CyberSecurity policy in public & private sectors for the coming 5 years and embeds regulations of the EU #NISDirective #infosec READ: goo.gl/YHJGVz

6:29 AM · 15 Aug 2018

The energy sector needs to step up cybersecurity
if we want to live secured

THANK YOU!