

IDEX BALTIC | PUSBROLIAI

Lithuania - a unique success story of biomass replacing fossil fuels

WBA Webinar
MAY, 2021



BIOMASS IN LT: Sustainable and strategic fuel



High forest density and developed wood industry provides Lithuania with vast qnt. of biomass for renewable energy

BIOMASS DOMINATES DH IN LITHUANIA

Market share in 2019 - 70%, forecast in 2030 - 90%

- Gas/waste to be pushed out by biomass, merit order based on CO2 price
- Biomass to be accompanied by non combustible technologies
- Renovation of buildings vs. higher DH share and city growth

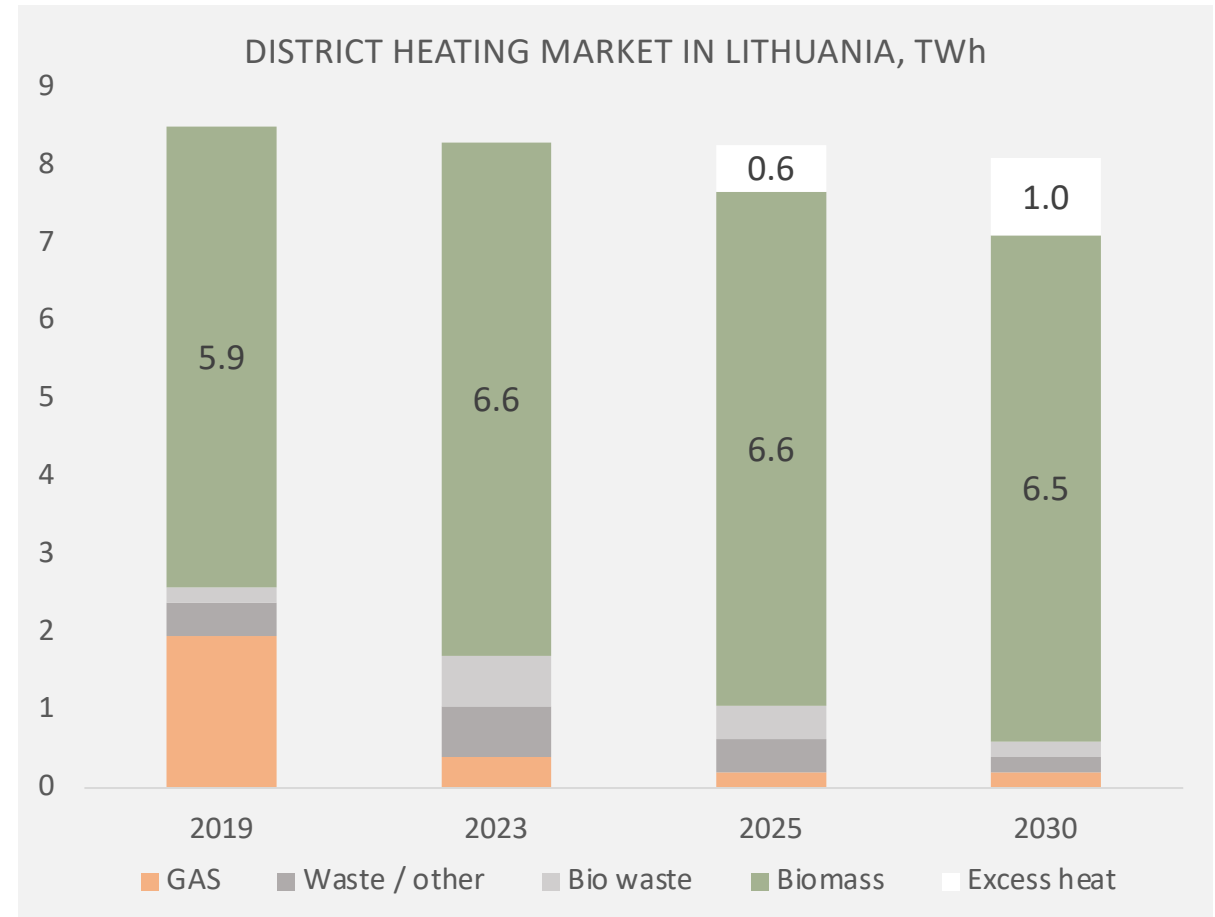
SUSTAINABLE BIOMASS - REGIONAL / STRATEGIC FUEL

- Carbon neutral source of energy
- Independence from gas and benefits local economies
- Focus towards forest and wood industry residues

SWITCH TO BIOMASS – ENRICHED LT ECONOMY

- Consumers: green energy and lower prices
- Innovations in biomass technologies, BaltPool biomass exchange, liberalized heat production market / heat auctions
- RES energy opportunities in DH attracted local and foreign investors

*Kaunas & Klaipeda WtE CHPs are part of EU ETS and face ETS price > 50 €/t



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*In 2019 leading French DH company IDEX Group acquired portfolio of CHP/HPs in Vilnius & Kaunas and plans further expansion in the region
Same year No.2 biomass production and trading company Pusbroliai has been acquired*

IDEX BALTIC – largest private RES DH producer in LT

- 1 TWh energy from biomass
- Presence in Vilnius & Kaunas DH market, 6 HPs / CHP
- Planned Latvian market entry in 2021

PUSBROLIAI – vertically integrated biomass company

- Security of sustainable biomass supply
- 1.1 TWh of wood chips (2021, +67% YOY)
- Clients: LT / LV energy & industry, export to Nordics

Further expansion in the Baltic region

- HPs / CHPs
- DH networks
- Biomass production / trading



IDEX GROUP



IDEX GROUPE SAS, one of the largest district heating operators in France. Sales in 2020 have reached € 1.1 b



4 000 employees



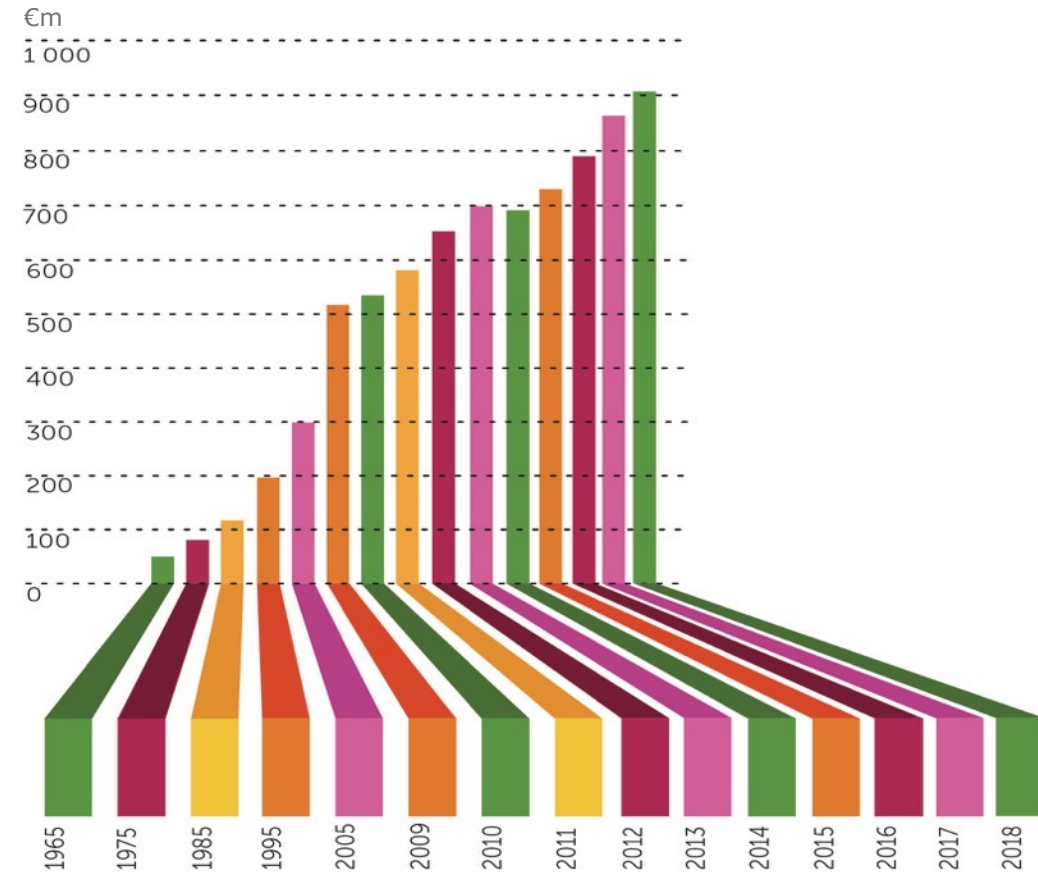
11 000 buildings operated



50 DH and cooling networks



100 local departments



PUSBROLIAI: part of IDEX strategy in the region



To develop IDEX Pusbroliai in to Northern European sustainable biomass supplier

SECURITY OF SUSTAINABLE BIOMASS SUPPLY TO IDEX

Chips from roundwood to be replaced by forest residues in DH: CO2 neutrality & pressure from furniture industry

Forest residues will provide green energy status & guarantees priority in the DH merit order

Existing infrastructure focused on forest residues to be further developed in order to become top player

GROWING BIOMASS DEMAND IN NORTHERN EUROPE

40 TWh demand in DK / SE / FI due to fuel switch from coal and growing imports from Baltics

10 TWh demand in LT / LV due to fuel switch from gas to wood chips

Demand of sustainable wood chips by furniture factories of global players: IKEA, VMG, Egger, Pfleiderer, Kronospan in LT, LV, PL

PROXIMITY TO FOREST INTENSIVE AREAS

Developed wood / forest industry in LT / LV provides enough biomass for >70% of DH demand

Export from BY potential / lower price of biomass provides opportunities to scale and balance the market

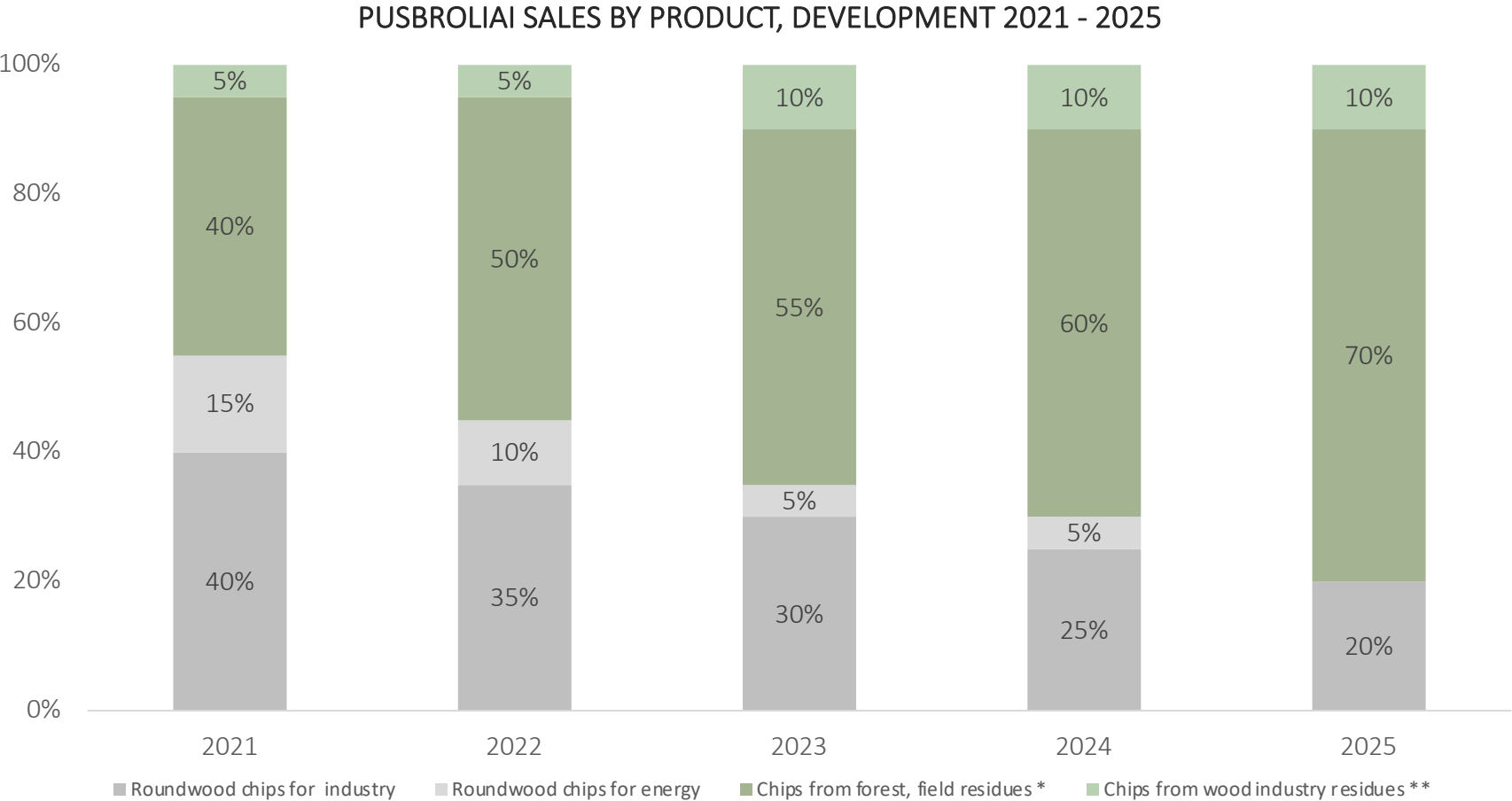
Proximity of LT / LV harbors to CPH & STO and price as a competitive advantage against other Nordic players

**Including wood industry residues (shavings, bark, sawdust, etc.)*

PRODUCTS: dynamics 2021 -2025



Focus on biomass sustainability by replacing roundwood chips to forest and wood industry residues as CO2 neutral fuel. Roundwood chips for furniture industry clients only



*Remaining branches and cutting residues after wood cutting. ** Generally by-products of the wood industry

ESG / SUSTAINABILITY

Following the acquisition of Pusbroliai, IDEX Group has a clear target to introduce ESG / Sustainability policy within the company in 2021

COMPLIANCE WITH LATEST SUSTAINABILITY REQUIREMENTS FROM CLIENTS

- Certificates: ISO 14001, ISO 9001, SBP, SBP compliance and FSC
- Digitalized tracing system for biomass sustainability & legality
- Established risk mitigation guidance

INTEGRATION TO IDEX GROUP ESG

- IDEX Group reports on ESG annually
- Pusbroliai are developing their sustainability policy and goals
- Pusbroliai to be part of IDEX Group ESG report 2021

PUSBROLIAI SUSTAINABILITY GOALS BY 2025

- To be in line with RED II, EU timber regulation, IDEX Group ESG policy
- Focus on sustainable biomass as forest and industry residues
- Switch to green logistics: H2 / Electric trucks / Charging in own CHPs



IDEX GROUP SUSTAINABILITY EVALUATION (2020) AND GOALS (2025)



PUSBROLIAI: 2020/21 key export accounts



In 2020 Pusbroliai has started a shift from Lithuanian spot market (BaltPool) to export sales. Largest contract – annual sales of 550 GWh to Riga (LV) municipal DH company. Contract with Orsted opens further opportunities in the Nordics.

RIGA (LV) MUNICIPAL DH COMPANY

CAPACITY: 550 GWh
Sourcing: LT / LV / BY



ORSTED (DK)

CAPACITY: 51 GWh
Sourcing: LT



POLAND

CAPACITY: 20 GWh
Sourcing: BY / LT

