

LAISVĖ JUDĖTI

Discussion on hydrogen in transport

2021-11-08

Hydrogen in Lithuania – status quo

- 2012 – Laboratory for the Experimental Research of Hydrogen as Fuel or Fuel Additive, Eco-friendly Fuel Additives and Fuel Systems;
- November 2020 – Hydrogen platform, 35 members;
- March 2021 – new (highly ambitious) National Law on Alternative Fuels and Infrastructure;
- Produced only „Grey“ hydrogen – used for industrial processes (fertilizers);
- Blending of 10% hydrogen to natural gas (H2NG) - several buses in 3 cities;
- „Blue“ hydrogen is not produced. Production would be limited by the geological regulation for Carbon capture storage (CCS);
- None registered hydrogen vehicle yet, none hydrogen refueling stations yet (HRS);
- Local production of Hydrogen automotive components available.

Hydrogen plans in near future

- National production of „green“ hydrogen - start in July 2024. Planned 1.68M m3 during 2024-2026;
- 4 pcs. of HRS are planned until June 2026 (regarding RRF). Preliminary, first HRS in 2024 September.
- Power-to-gas (P2G) technology in 2024;
- Stimulate the production of „green“ hydrogen on site of consumption place;
- Promote the transportation by road transport of the local market actors;
- Common study between Finland and Baltic states concerning the technical hydrogen transportation (H2NG in a higher proportion) possibilities – exp. results in March 2022. *Ongoing study;*
- Possibility to transport pure hydrogen via existing gas pipelines. *Ongoing study;*
- Gas pipelines adopted to transport 100% „green“ hydrogen in 2030;
- Surplus of renewable energy is assumed from 2030.

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Thank you!



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