

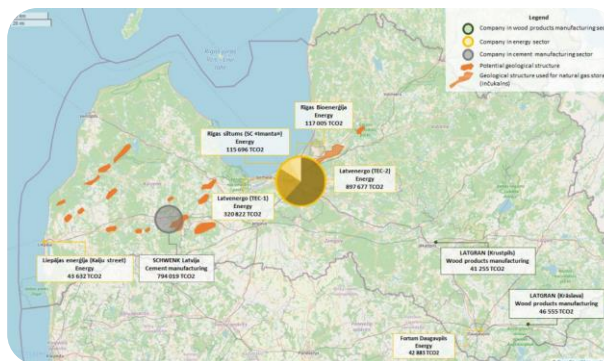
Pilot for H2 hub establishment at Port of Ventspils

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Transportation / Storage

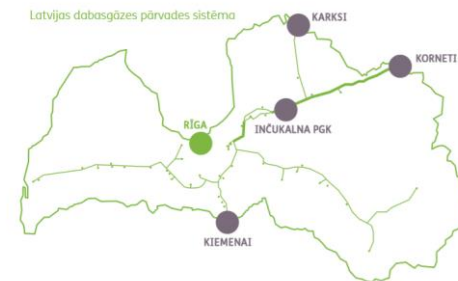
- VNT and Port of Ventspils are suitably located for the production of Green Hydrogen
- VNT is connected with LatRosTrans petroleum transfer pipelines (*Druzhba*) (2 x 20") stretching for 300 km from E to W which could be re-purposed for H2 transport and storage
- Major growth potential for harvesting green wind energy in on- and offshore WES projects
- Ventspils has an excellent electricity grid connection
- Liquid ammonia tanks for large scale solutions are located at the port



- >300 km of pipelines crossing from E to W
- onshore geological structures 404 Mt CO₂/H₂
- offshore structures 400 – 760 Mt CO₂/H₂

Bio / E-fuel potential

- **52%** of country territory are covered by **forests**
- **~ 11 mil. m3** is annual **forestry production** providing opportunities for stable woody (waste) biomass source for bio-fuel production
- **~ 1.6 mil. m3** of domestic waste are generated annually
- **0.7 mil. m3** of **waste** are delivered for landfill. This provide opportunities for production of **RDF**
- **~ 2.4 mil. t** of **CO2** are generated annually by large emitters (> 40kta) providing potential for CCUS and production of **e-fuels**



Phases	H ₂ -Electrolyser (H ₂ -production)	Green Energy source
2022/ 2023	2MW (36 kg/hr)	2MW solar park
2025	100MW (40.500 kg /24hr)	200MW onshore wind park
2030	1GW (650 tons /24hr)	>3GW offshore wind farm