

# Greenet



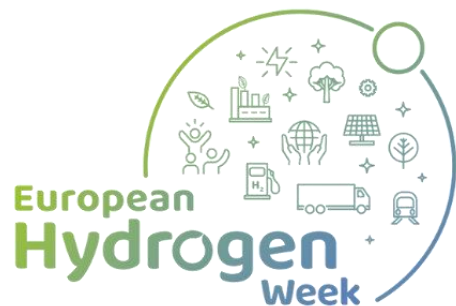
The network of Horizon Europe  
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## Riga Technical university

### The Faculty Of Engineering Economics and Management



European Hydrogen Week 2024  
GREENET Pitch session  
TechForum, 19th November 2024



The GREENET project has received funding from the EU Horizon Europe programme under Grant Agreement No 101069604



FLPP  
FUNDAMENTAL AND  
APPLIED RESEARCH  
PROJECTS



- Leo JANSONS, MBA, Researcher, PhD candidate
- Riga Technical university (RTU), <https://www.rtu.lv/en>
- Higher education & research organization in Latvia
- The Faculty of Engineering Economics and Management
  
- Expertise: RES; green gases (hydrogen and biomethane); green & environmentally friendly transport; smart cities; social, economic and environmental process analysis; urban development; sustainable built environment and real estate management, mathematical modelling; decision-making; digital twins.
  
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## RTU project «TRANS4ECO»

Development of model for implementation of sustainable and environmentally friendly last mile distribution transportation services in Latvia

- Funded by the **Latvian Science Council's fundamental and applied research program**
- Implementation timeframe: **January 2023 – December 2025**
- **Goals of the project:**
  - develop a model for the introduction of sustainable and environmentally friendly last mile distribution in Latvia that would be applicable to businesses and logistics service providers
  - elaborate decision-making model for selection of logistics service providers for sustainable and environmentally friendly last mile distribution services
  - Based on the principles of interdisciplinarity, the project examines the current issues in the transport and energy sector, as well as involve businesses representing different industries, e.g. wholesale, retail trade, the food industry, fast-moving consumer goods industry, e-commerce, electrical equipment industry, pharmaceutical product manufacturing industry



- **RES and green gases in decarbonization of energy systems in urban areas**
- **Smart gas and RES networks, their diversification risk analysis and coupling**
- **Improvement of RES-based infrastructure performance – innovative digital tools and solutions to monitor and improve the management and operation of the infrastructure**

## **RTU contribution to the projects and experience areas**

- Renewable energy sources (RES), energy production, distribution, consumption and management strategies
- Green gases (biomethane and hydrogen) in decarbonization of existing gas and district heating (DH) networks
- Green gas supply diversification risk analysis
- Green transportation, use of hydrogen in decarbonization of urban and regional logistics
- Hydrogen ecosystems: development, expansion and coupling
- Synergetic potential of RES and green gases in urban environment
- Smart cities and smart built environment
- RES-supported energy performance of buildings
- MLP and other AI-based systems, digital twins



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## THANK YOU!

### Q&A

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