



FIT-4-NMP

Strategic and targeted support
to incentivise talented newcomers
to NMP projects under Horizon Europe

HIGH-PERFORMANCE and SUSTAINABLE COMPOSITES INNOVATION WORKSHOP TU DRESDEN 13-14.10.2022

energi 

Ltd. ENERGI
Liga Jupatova
Latvia



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 958255



LTD. ENERGI IS ONE OF 7 LATVIAN GOVERNMENTAL BODIES "LATAK" ACCREDITED INSTITUTIONS WITH MORE THAN 11 YEARS OF EXPERIENCE IN THE ENERGY EFFICIENCY SECTOR



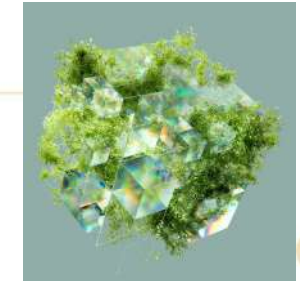
**BUILDING
CERTIFICATION**



**INDUSTRIAL
ENERGY AUDITS**



**ELECTRICITY
BALANCE SHEET**



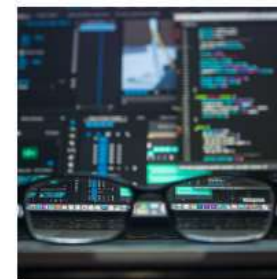
**SUSTAINABILITY
STRATEGY**



RESEARCH



**PROJECT
EXPERTISE**



DIGITALIZATION

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HORIZON-CL4-2023-TWIN-TRANSITION-01-31:

ENERGY EFFICIENCY BREAKTHROUGHS IN THE PROCESS INDUSTRIES (PROCESSES4PLANET PARTNERSHIP) (RIA)

1. My key idea for contribution to a project under this topic

Calculating energy efficiency contribution for any idea that will be developed.

We can calculate LCA, EPD or specific action as we do in industrial energy audit both from energy and economical aspect.

2. Competences relevant to the topic and motivation to apply

As partners we can bring manufacturing companies or other field industry partners.

If there is a need then Vidzeme's university of applied science, Smart and green technology clusters, capital of Latvia municipality Riga or other municipalities for case studies, dissemination or partnership.



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HORIZON-CL4-2024-RESILIENCE-01-24:

DEVELOPMENT OF SAFE AND SUSTAINABLE BY DESIGN ALTERNATIVES (IA)

1. My key idea for contribution to a project under this topic

Develop an additional LCA/CO2 calculation addition to the energy audit for buildings to be renovated.

Carry out technical inspection opinion and the necessary information; Calculation of CO2 for different scenarios. Module sketches, it is clearer about the number of materials, their costs, and then it is necessary to take the LCA of the available material and calculate the CO2 of this scenario for two more or less separable processes.

2. Competences relevant to the topic and motivation to apply

In most EU countries energy certificate is carried out similarly according to building's in accordance with the directives of the European Parliament and the Council (EU) 2018/844 (May 30, 2018) and LVS EN ISO 52000-1 and if the additional calculation is done it can be internationally recognized and brought to consortium countries at same. **As partners we can bring university partner from Latvia**, sustainable architects, other energy auditors and researcher, capital of Latvia municipality Riga or other municipalities for case studies, dissemination or partnership



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HORIZON-CL4-2023-TWIN-TRANSITION-01-31

HORIZON-CL4-2024-RESILIENCE-01-24

RELEVANT EQUIPMENT AND FACILITIES

- Energy auditors – human resources
- Environmental calculation programs
- PHPP engineering calculations for industry, buildings, processes in environmental aspects
- LaserRange-Master Gi7 Pro
- Mini InfraRed Thermometer RS-820/136-7890
- Temperature & Humidity Data Logger
- Thermal camera
- Flue gas analyser
- Electricity quality and consumption monitoring equipment
- Pressure test equipment
- Additional laboratories from universities and subcontractors



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Sustainable Environment engineer (educ.: work safety, environment engineering, business administration)

Focus – sustainability and energy

Exp.: projects writing, energy, sustainability



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