



New Skills
for nearly
Zero Energy
Buildings



Empowering Local Authorities for Climate-Neutral Buildings

Skills, Tools and Governance Models for Local Authorities

**How the LIFE NS4nZEBs Project
Supports the Energy Transition of
the Building Sector**



Why Local Authorities Matter

The revised European Energy Performance of Buildings Directive (EPBD) sets a clear objective: achieving a zero-emission building stock across Europe by 2050. For local and regional authorities, this transition presents both a challenge and an opportunity. Public administrations play a central role in accelerating building renovation, improving energy efficiency and supporting citizens and businesses throughout the energy transition.

By investing in skills, innovation and sustainable construction practices, local authorities can:

- Improve the performance and value of public buildings;
 - Attract national and European investment;
 - Reduce energy costs and greenhouse gas emissions;
- Combat energy poverty and improve citizens' quality of life;
 - Stimulate local employment and economic growth.



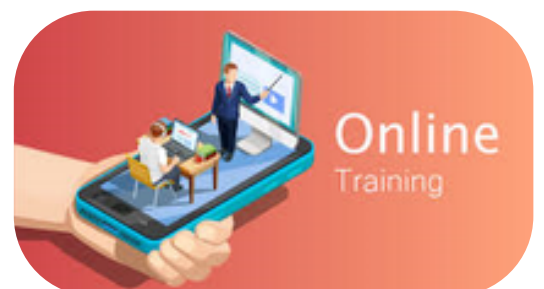
The LIFE NS4nZEBs Project: Building Skills for Climate-Neutral Territories

The LIFE NS4nZEBs project supports public authorities in delivering Europe's energy transition objectives through high-quality training, practical tools and innovative governance approaches.

Funded by the LIFE Programme, NS4nZEBs has developed a comprehensive training ecosystem designed to strengthen the skills of professionals involved in the design, installation, operation and maintenance of high-performance buildings.

As Europe moves from Nearly Zero-Energy Buildings (nZEBs) towards Zero-Emission Buildings (ZEBs), new competencies are required across the construction value chain. Advanced renewable energy systems, smart building technologies, heat pumps and integrated energy management solutions can only achieve their full potential when implemented by properly trained professionals.

To address this skills gap, NS4nZEBs brings together universities, public institutions, energy agencies and industry experts from six European countries to deliver practical, market-oriented training programmes that can be readily adopted by local and regional authorities.



Supporting Local Energy and Climate Plans

Primary Energy Savings

- Potential to reach 1450.50 GWh/year within five years.

Renewable Energy Generation

- Potential to reach 31,593 GWh/yr beyond five years.
- GHG emissions saved: 115,760 tonnes of CO₂.

Workforce Development

- Potential to reach 1800 certified professionals within five years.



Practical Tools for Public Authorities

9 European Training Curricula (EQF Levels 4–7)

NS4nZEBs provides nine standardised training programmes covering the entire construction value chain, including electrical installers, HVAC installers, engineers, architects and other construction professionals.

The curricula combine technical expertise with digital skills, Building Information Modelling (BIM), sustainability principles, EU regulations and green entrepreneurship.

Quality Assurance through Certification

Training and assessment pathways are aligned with the principles of ISO 17024 personnel certification, supporting transparency, quality and recognition of professional competences.

Successful learners receive a Europass Certificate Supplement, enhancing the visibility and transferability of skills across Europe.

Flexible Digital Learning Platform

The NS4nZEBs Learning Management System offers online courses, micro-learning modules, interactive exercises, educational videos, serious games and flexible learning pathways for students and working professionals.

The platform promotes inclusiveness and equal opportunities, encouraging participation by women, young people, unemployed workers and professionals transitioning from traditional sectors.

How Local Authorities Can Take Action

Green Procurement and Quality Renovation

Procurement is one of the most powerful tools available to local authorities for driving sustainable construction.

NS4nZEBs supports municipalities in integrating sustainability, digitalisation and quality criteria into procurement processes, leading to better-qualified contractors, greater transparency, stronger environmental compliance and higher-quality renovation outcomes.

Supporting a Just Transition

The NS4nZEBs training model can be integrated into local employment and reskilling initiatives, helping unemployed individuals, young people and workers from carbon-intensive sectors gain opportunities in the growing green economy.

By investing in skills development, municipalities can ensure that the benefits of the energy transition are shared by all citizens.



Join the Network of Climate-Neutral Building Leaders

The LIFE NS4nZEBs project brings together chambers of commerce, universities, research organisations, energy agencies and training providers committed to accelerating Europe's transition to a sustainable built environment.

Available resources include:

- E-learning platform
- Training courses
- Assessment tools
- Guidelines and curricula for public authorities and training organisations

Local authorities, municipal technical departments and training providers are invited to adopt these resources to strengthen their local renovation ecosystem and support climate- neutral development.





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Contact us to explore training opportunities
and partnerships:

www.ns4nzebs.com

Mail:



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CHAMBER OF INSTALLATION SPECIALISTS IN
BULGARIA - "TOGETHER WE CAN DO MORE"



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