



New Skills
for nearly
Zero Energy
Buildings

Future-Proof Your Business with NZEB-Ready Professionals

**Upskilling construction specialists
for a sustainable future**



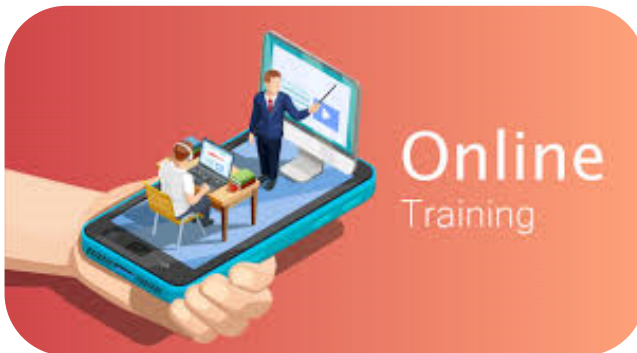
Why NZEB Skills Matter for Your Company

- EU and national policies make Nearly Zero-Energy Buildings (NZEBs) the standard.
 - Clients demand energy-efficient, smart, and sustainable solutions.
 - Skilled staff give you a competitive edge in a fast-changing market.
- 📌 Stay compliant, win more projects, and meet client expectations.



Our Training – Flexible, Practical, Impactful

- Modular e-learning: staff can train anytime, anywhere.
- Comprehensive content: EU/national legislation, RES (PV, HVAC, Biomass), energy efficiency, SRIs, digital & soft skills.
- Direct workplace impact: learners apply skills on real projects from Day 1.



Benefits for Your Company

✓ Market Advantage

- You will have an edge over your competitors in tenders and projects requiring NZEB expertise.

✓ Efficiency gains

- You will enjoy reduced errors, faster project delivery, smarter workflows.

✓ Quality assurance

- Higher technical standards lead to fewer costly mistakes.

✓ Stronger reputation

- Clients trust companies with certified, up-skilled professionals.

✓ Future readiness

- Be prepared for stricter regulations and sustainability trends..



IN A NUTSHELL

Employers who invest in nZEB-trained staff gain a decisive competitive edge in a rapidly evolving construction market increasingly shaped by EU energy-efficiency standards and green-transition goals. Skilled employees capable of designing, constructing, and maintaining nearly zero-energy buildings ensure higher-quality project delivery, fewer design and installation errors, and greater client satisfaction. This expertise directly translates into reduced operational costs, higher profit margins, and a stronger company reputation as an innovator in sustainable construction. Moreover, having certified nZEB professionals enables companies to access a broader range of public and private tenders that require compliance with energy-performance standards, opening new business opportunities and partnerships. Employers also benefit internally – nZEB-trained teams foster a culture of continuous improvement, safety, and environmental responsibility, attracting both clients and new talent motivated by purpose-driven, future-oriented work.



How Your Staff Will Excel

The transition to Nearly Zero Energy Buildings (nZEBs) represents a paradigm shift in construction. Success depends on equipping professionals across all disciplines with the technical, collaborative, and client-facing skills required. This training programme provides installers, technicians, engineers, HVAC engineers, architects, and designers with competencies that directly improve building performance, reduce costs, and strengthen their competitiveness in the labour market.

Installers

Why NZEB skills matter:

- Installers are the final link in ensuring high-performance building components function as designed.
- Core competencies gained: Airtightness, insulation, PV, heat pumps, ventilation, QC documentation.
- Immediate/measurable benefits: Fewer reworks, higher productivity, improved client satisfaction.
- Business/career benefits: Access to high-value projects, public tenders, reputation as NZEB-ready.
- Suggested modules/exercises: Hands-on mock-ups, PV wiring, MVHR balancing.
- KPIs: higher percentage of installs passing inspection, reduction in rework incidents.



Technicians

Why NZEB skills matter:

- Technicians verify and fine-tune building systems; accurate commissioning ensures predicted performance.
- Core competencies gained: Commissioning workflows, blower door, thermography, diagnostics.
- Immediate/measurable benefits: Faster fault diagnosis, reliable handover, reduced energy use.
- Business/career benefits: Higher-value commissioning and maintenance contracts.
- Suggested modules/exercises: Blower door practicals, fault diagnosis scenarios, commissioning reports.
- KPIs: Time to diagnose, a higher percentage of systems meeting performance, client satisfaction.



Engineers

Why NZEB skills matter:

- Engineers design integrated systems and energy balances, requiring optimized performance.
- Core competencies gained: Energy modelling, system sizing, passive design principles, life-cycle analysis.
- Immediate/measurable benefits: Reduced errors, predictable performance.
- Business/career benefits: Competitive edge, performance guarantees.
- Suggested modules/exercises: Case studies, redesigning buildings, tender briefs.
- KPIs: higher percentage of projects meeting predicted performance, reduced design errors.



HVAC Engineers

Why NZEB skills matter:

- HVAC systems are the largest controllable energy load.
- Core competencies gained: Load calculation, low-temp systems, controls integration, IAQ strategies.
- Immediate/measurable benefits: Reduced costs, higher IAQ and comfort.
- Business/career benefits: Specialist consultancy, stronger retrofit profile.
- Suggested modules/exercises: Heat pump sizing, ventilation commissioning, fault simulations.
- KPIs: Energy use per m², % systems commissioned correctly.

Architects

Why NZEB skills matter:

- Early architectural decisions strongly influence energy demand.
- Core competencies gained: Passive design, thermal-bridge-free detailing, RES integration, client communication.
- Immediate/measurable benefits: Smaller systems, fewer redesigns.
- Business/career benefits: Stronger value proposition, retrofit services.
- Suggested modules/exercises: Massing exercises, detailing workshops, client pitch simulations.
- KPIs: Reduction in energy loads, higher percentage of projects meeting NZEB targets.



Designers

Why NZEB skills matter:

- Designers ensure projects can be built correctly with clear documentation.
- Core competencies gained: Insulation continuity, MEP coordination, BIM checks, installation notes.
- Immediate/measurable benefits: Fewer RFIs, smoother workflows.
- Business/career benefits: Value as coordinators, increased employability.
- Suggested modules/exercises: BIM clash detection, coordinated drawing sets, QC checklists.
- KPIs: Clashes found in design vs construction, reduction in RFIs.

Cross-cutting Benefits

- Improved collaboration across trades
- Higher employability and trust through certification
- Access to subsidy-driven markets and tenders
- Enhanced client satisfaction and loyalty
- Stronger digital and soft skills



Our Training & Micro-Certificates

- Flexible, user-friendly e-learning platform
- Role-specific micro-credentials
- User-friendly assessments
- Modular training suitable for both acquiring new skills and upskilling existing competences

IN A NUTSHELL

For construction specialists – including installers, technicians, engineers, HVAC experts, and architects – nZEB training represents a strategic investment in career growth, job security, and professional excellence. It enhances their technical capacity to apply the latest technologies and materials, understand integrated building systems, and optimize energy efficiency through smart design and renewable energy solutions. This knowledge increases employability, mobility across EU markets, and readiness for upcoming legislative and technological changes in the building sector. Beyond technical mastery, nZEB training also strengthens transversal skills such as problem-solving, digital competence, teamwork, and communication with clients, all of which are crucial for managing complex renovation projects. Ultimately, nZEB-ready specialists become key actors in the green transition – professionals who can confidently lead the shift toward sustainable, comfortable, and energy-efficient buildings.



WHO ARE WE?



The NS4nZEBs consortium is a partnership of excellence, with experts (installers, engineers, architects, and experts in IT, automation, education, and communications) from 6 countries, namely Belgium, Bulgaria, Greece, Italy, Spain, and Ukraine.

We have designed nZEB training courses to help you gain this competitive edge in an engaging and productive way.

Join the Green Construction Leaders

Equip your workforce with NZEB-ready skills and secure your company's future in sustainable construction.





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 **Contact us to explore training opportunities and partnerships.:**

www.ns4nzebs.eu

office@nisbg.org

Tel.: +359 896 686 904



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