



Improving Skills and Qualifications in the Building Workforce in Cyprus

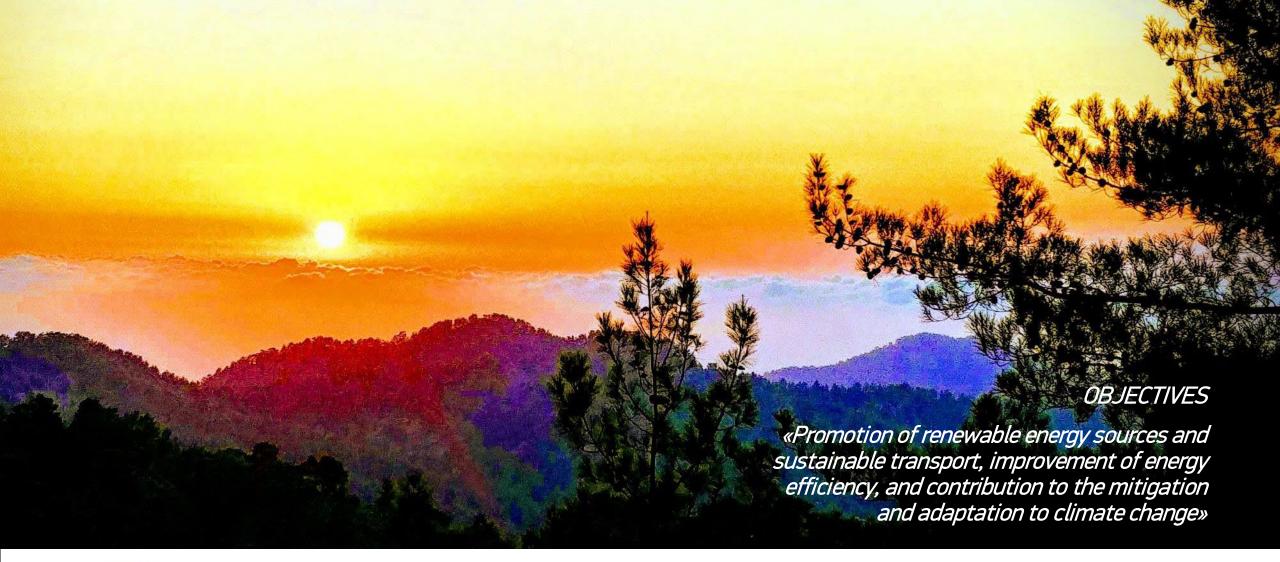
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19th of June 2025

Peer review hosted by the Moldovan Ministry of Energy
Capacity building: speeding up the energy transition in Moldovan buildings

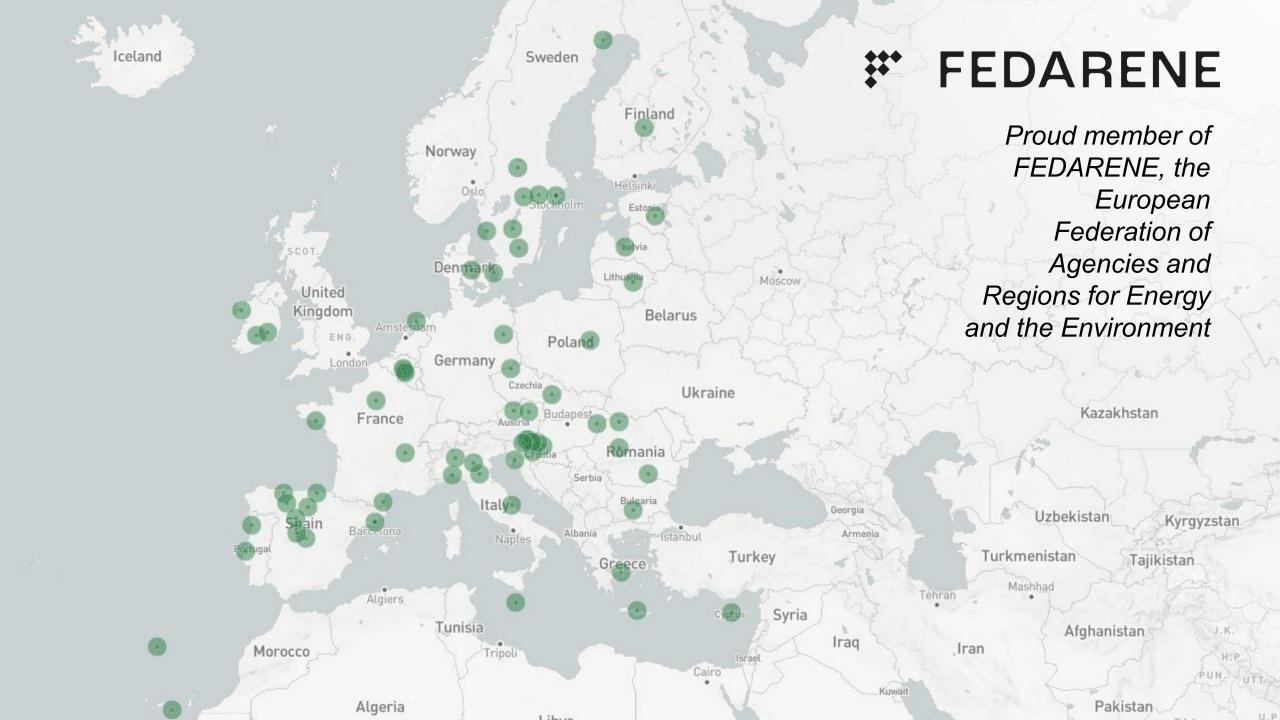






VISION

«To contribute actively to the conservation of energy resources, the protection of the environment and the improvement of the quality of life»







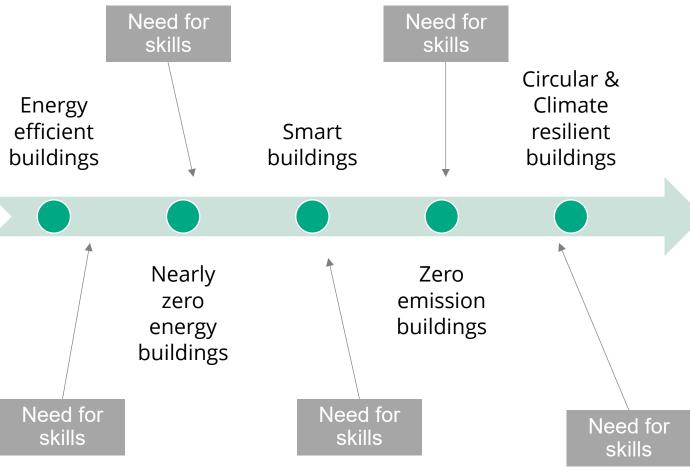








Roadmap for sustainable buildings



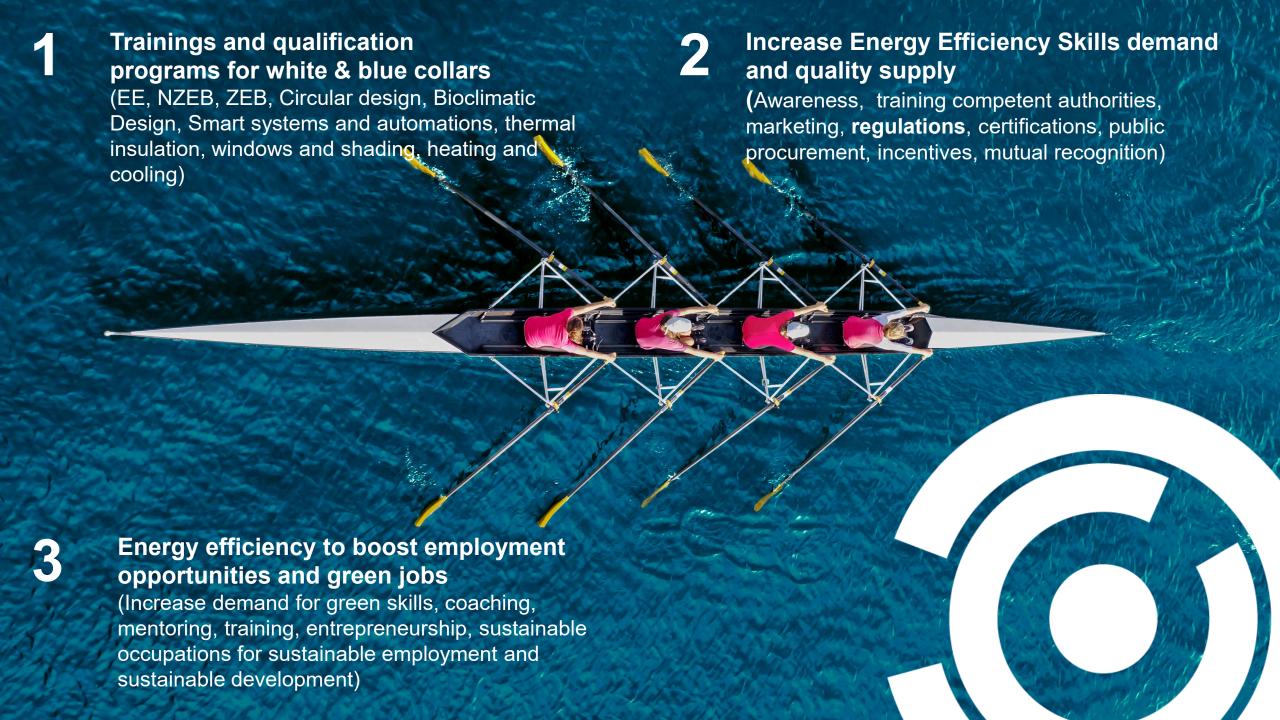
Energy Efficiency Skills (EES) demand

- How advanced is the EES demand?
- How the demand for EES is driven?
- Are there any good practices to highlight?
- What is the correlation of EES for better buildings?
- What are the effectiveness indicators?

"Answers to the above questions will illustrate the market's need for dedicated trainings, work positions, legislations, narratives and incentives, resulting to tailor national/regional policy recommendations."

Roadmap for skilled professionals

- Building professionals play an important role in the energy transition and their contributions is essential for shaping the buildings' future. Furthermore, the engagement of the key actors, such as policy makers, trainers and training centres is crucial in deciding the future of EES regulating their quality, supply and demand.
- On another aspect, building owners and tenants have not always been aware of the skills that building professionals need to possess in order to complete certain tasks that include construction, Energy Efficiency and/or Renewable Energy Sources installations and design.
- In most cases, these skills become **obligatory** through **grant schemes** and in less cases through **Green Public Procurements**, with the general public not always being aware of the benefits of using skilled professionals.





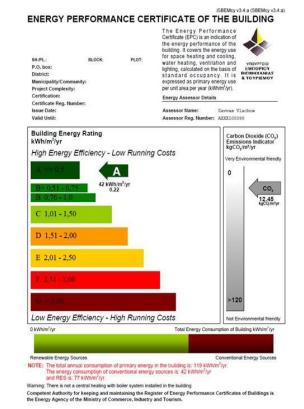
Energy auditors
Boiler inspectors
Energy Managers
Qualified experts
SRI evaluators
GWP evaluators

Thermal insulation, windows, shading, Sollar panel, Biomass boilers, Heat pump, smart system installers



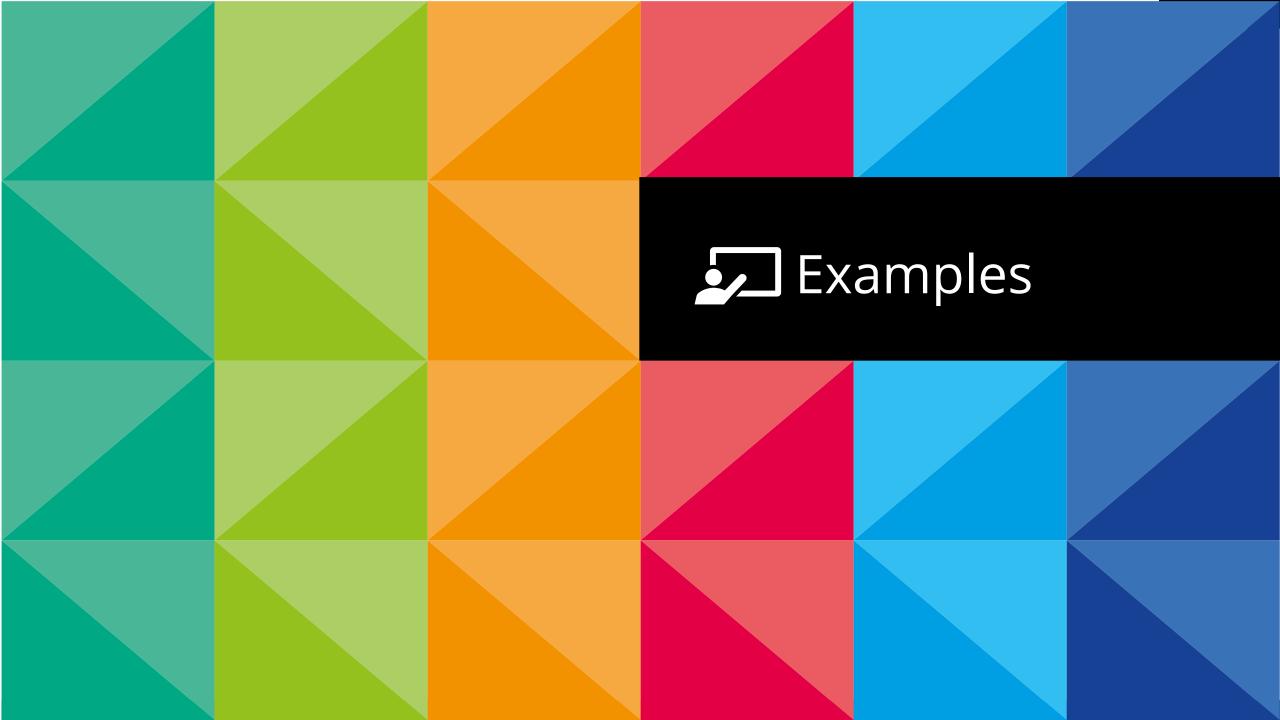
ISO 50001 ISO 14001 EMAS BREEAM LEED







Awareness promotion & branding, labels, certificates



The Cyprus Energy Agency's "Energy Academy"





EDUCATIONAL ACTIVITIES

Organizes across all Cyprus and for all age groups, educational activities and workshops on Energy and the Environment.



SEMINARS

Has been certified by the Human Resources
Development Authority
(HRDA) as a Training Centre and Structure and organizes training seminars for specific professional qualifications.



EXAMINATIONS

The Cyprus Energy Agency is a certified organization for examining qualified candidates on issuing Energy Performance Certificates for Buildings, Boiler Inspectors, and European Energy Managers (EUREM).



Acquiring knowledge and skills for the energy performance improvement of buildings in Cyprus

The WE-Qualify project «Improve Skills and Qualifications in the Building Workforce in Cyprus» was an EU co-funded project through the «Intelligent Energy Europe» programme under the European initiative «Build Up Skills».

The initiative aims in promoting the continuing vocational education and training of workers in technical occupations in the Construction sector, as well as other relevant sectors related with the installation and maintenance of energy saving and renewable energy systems.



We Qualify | Training, specialization, certification

Educational training programmes for the development of the following skills were organized:

Skill 1: Installation of thermal

insulation

Skill 2: Installation of thermopanes

and exterior sunshades

Skill 3: Installation and maintenance

of biomass boilers and stoves



















Norway grants

The Yenesis project Youth Employment **Network for Energy** Sustainability in Islands **Energy Efficiency to** provide "green" employment opportunities





What is a green job?

'Green jobs' can be defined as employment in various sectors that **contributes to preserving or restoring environmental quality**. This includes jobs that help to:

- protect ecosystems and biodiversity
- reduce the consumption of energy, materials, and water through high efficiency strategies
- decarbonise the economy
- avoid generation of waste and pollution

Green jobs are also defined by their **social approach**. They must be decent jobs for women and men, that promote social inclusion and gender equality, contributing to the eradication of poverty.



What skills do I need to get a green job?

Analytical

- Critical thinking
- Problem solving
- Learning ability
- Risk management
- Marketing competencies

Relationship

- Teamwork
- Cooperation skills
- Accepting diversity
- Networking
- Integration skills
- Intercultural knowledge
- Environmental awareness
- Responsibility

Management

- Managerial skills
- Initiative
- Leadership capacity
- Multitasking
- Transdisciplinarity
- Sustainable planning
- Entrepreneurial spirit
- Sustainable business models
- Time management

Communication

- Social skills
- Social intelligence
- Foreign languages



- Innovation
- Creative thinking
- **Adaptation capacity**
- **Flexibility**

Technical

- Digital literacy
- Coding and programming
- Big data analysis
- Information & communication technology (ICT)
- New media literacy
- Financial literacy



What green jobs can I follow in Energy Efficiency?

- Agriculture consultants
- Architects/ Landscape Architects
- Builders/ Technicians/ Electricians
- Chemists
- Civil engineers and Construction managers
- Database and network professionals
- District heating system engineers
- Efficient cooling technicians
- Electrical/Mechanical/ Environmental/ Energy Engineers
- Electronics/ Telecommunications engineering technicians
- Electronics mechanics and servicers
- Energy auditors
- Energy consultants
- Energy control analysts

- Energy efficiency managers and technicians
- Energy efficiency trainers
- Engineers of HVAC installations
- Installers of insulation, facade systems and ventilation facade
- Interior and exterior designers
- Managers of energy service companies
- Mechanical/ Chemical engineering technicians
- Net zero energy building designers
- Researchers in energy efficiency
- Procurements' officers
- Specialists in maintenance of facilities
- Technicians of building thermal envelope solutions
- Technicians of management of operation and maintenance in facilities

What green jobs can I follow in Renewable Energy Sources?

- Designers of solar PV, solar thermal systems and wind installations
- Electrical/Mechanical/ Environmental/ Energy Engineers
- Engineers of industrial process solarisation
- Geologists and geophysicists
- Renewable energy project engineers
- Sales Engineers
- Biomass boiler systems technicians
- Biomass collection and transformation companies – Refuse workers
- Biomass (wood) fuel supply operators
- Biomass plant technicians
- Electrical engineering technicians

- Installers of solar photovoltaics, solar thermal systems and wind installations
- IT experts
- Power production plant operators
- Project managers
- Solar facility managers
- Technicians of solar PV, solar thermal systems and wind farms



What are the key elements of these jobs?

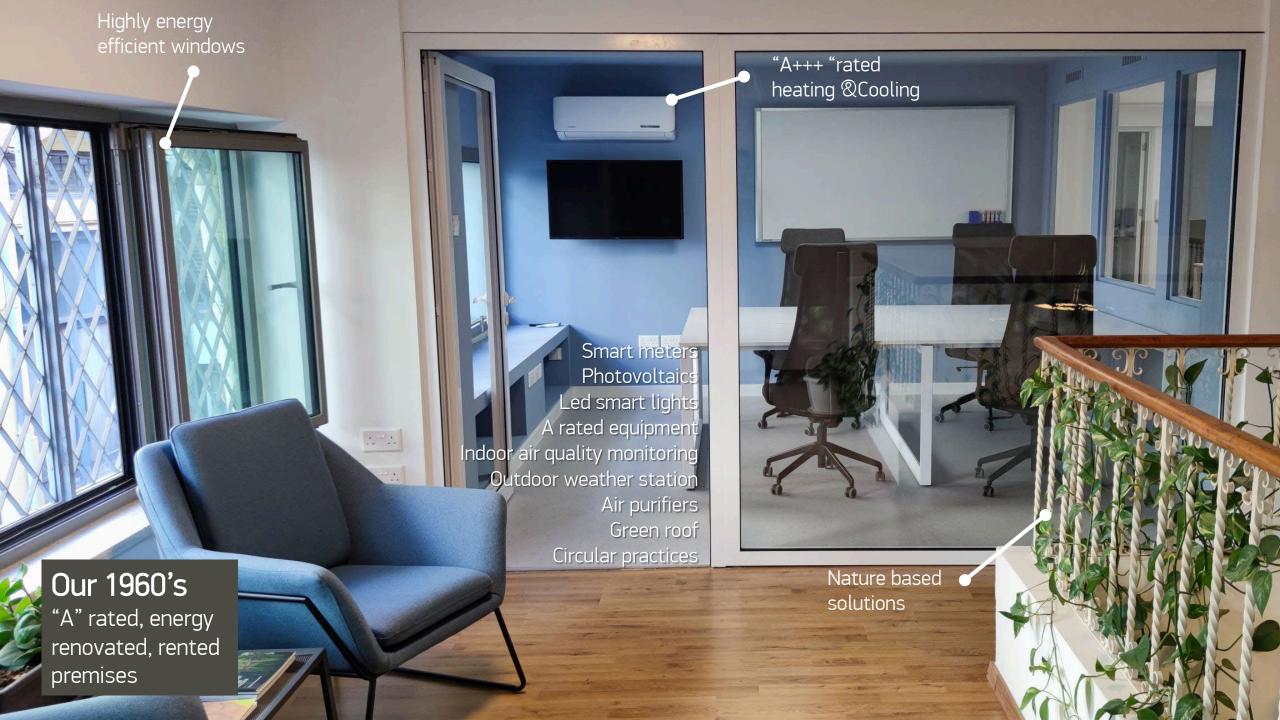
- European and national legislation on the energy performance of buildings and Bioclimatic design
- Nearly zero energy buildings (nZEBs)
- Zero emission buildings
- Energy saving and power generation systems in industry and in construction
- Automations and remotecontrol technologies
- Building components of HVAC
- Industrial heating systems and CHP
- Information and Communications Technology (ICT) systems
- Identification of opportunities for energy saving and the protection of the environment
- Control of renewable energy systems
- Energy storage and smart control



How does it contribute to the development of the green market?

- Improving energy efficiency and renewable energy is less expensive than investing in new generation and transmission
- Energy efficiency and renewbales lowers baseload and peak demand and reduces the need for additional generation and transmission assets
- Energy efficiency creates the right market conditions for increasing the rate and level at which existing buildings are renovated
- Increase in renovation rate will create additional job positions in the sector
- Investing in energy efficiency and renewable compares favourably with investing in other energy sectors in terms of local jobs creation
- The design and development of novel energy-efficient and renewable energy products and services leads to the boosting of SMEs and the local economy
- Renewable energy generation offers less dependence on imported fuel, thus countries are less vulnerable to the global fuel prices fluctuations
- Renewable energy sources enhance the diversification of the energy supply, which directly means increases of energy security and reliability











The picture was taken on 6/6/2024 at noon, on the green roof of the Cyprus Energy Agency with an air temperature of 41°C.

40°C temperature difference thanks to Nature Based Solutions

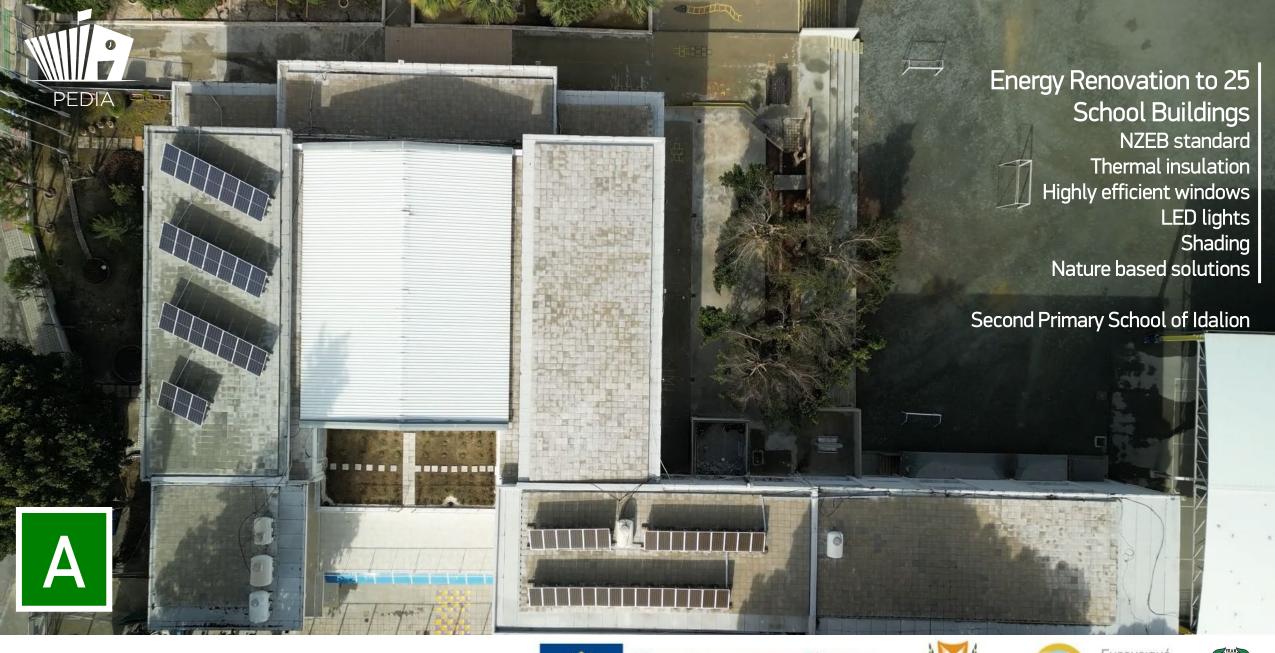






























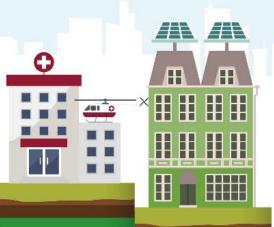




WORLD **GREEN** BUILDING COUNCIL







Green buildings can improve people's health & wellbeing

Building green infrastructure creates jobs & boosts the economy

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Green buildings produce fewer emissions, helping to combat climate change

Green buildings can improve biodiversity, save water resources & help to protect forests

Through building green we create strong, global partnerships

GOOD HEALTH AND WELL-BEING



AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



15 LIFE ON LAND



17 PARTNERSHIPS FOR THE GOALS



Cyprus Energy Agency

Thank you Ευχαριστώ Mulţumesc

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