



COMUNITÀ MONTANA ZONA DEL MATESE

GREEN COMMUNITY

“Matese Green & Smart: Innovazione, Partecipazione e Sostenibilità”

INTERVENTO N. 5

“Matese Building Lab”

Course Abstract

Italian Regulation – New Minimum Requirements Decree

This e-learning course provides a practical and structured introduction to the Italian **New Minimum Requirements Decree**, with a focus on the energy performance of buildings and the technical, design and documentary checks required to demonstrate compliance. The course explains why the Decree should not be treated as a merely administrative requirement, but as a national framework connecting building design, energy calculation, technical prescriptions, compliance documentation and on-site verification.

Across eight teaching units, learners are guided through the main operational steps required to apply the Decree correctly: understanding what minimum requirements are, classifying building interventions, identifying the applicable checks, assessing the energy performance of buildings, and distinguishing between calculated performance and real energy consumption. Particular attention is paid to the correct classification of new buildings, extensions, major renovations, energy refurbishments and interventions on technical systems.

The course also examines the technical elements that determine building energy performance: the building envelope, insulation, thermal bridges, windows, comfort, technical systems, regulation, automation, renewable energy sources, electrification and charging infrastructure. The teaching approach highlights the importance of considering the building as an integrated system, where envelope, systems, renewable energy, use patterns, maintenance and climate conditions must be assessed together.

A specific part of the course is dedicated to the **energy technical report**, often referred to as the “ex Legge 10” report, understood as the document that links energy calculations, building design choices and compliance with minimum requirements. Learners will understand how this report must reflect the intervention category, building data, envelope and system choices, renewable energy contribution and the results of the required checks.

The course adopts a strongly applied and localised approach. Rather than presenting the New Minimum Requirements Decree as an abstract regulatory text, it translates it into an operational method for reading, designing, checking and improving buildings in real territorial contexts, particularly schools, municipal buildings, sports facilities, accommodation structures, homes in inland areas and historic buildings.

By the end of the course, participants will be able to understand the role of the New Minimum Requirements Decree, correctly classify building interventions, recognise the main energy performance checks, interpret the relationship between envelope, systems and renewables, and support a more coherent link between design, documentation, construction and building management. The course is especially relevant for public officers, technical staff, designers, construction companies, works supervisors, local administrators and stakeholders involved in energy-efficient building renovation and sustainable territorial development.