

Energy efficiency of schools- Montechiarugolo



The Municipality of Montechiarugolo has invested heavily in the energy requalification of the public buildings of its Municipality, it has carried out a series of interventions aimed at reducing both energy and above all thermal consumption of municipal-owned buildings.

After an initial estimate made schools, rather than municipal offices, were the public utilities that absorbed the most thermal energy (about 64%) and therefore it was necessary to implement a local energy policy that would regulate expenses and consumption. Hence the decision to start an energy requalification process from school buildings, both because they are very energy-intensive structures and because the schools have a strong symbolic value as a place of education and growth. The starting point is the improvement of the quality and liveability of all schools of all levels.

The Municipality has currently completed the redevelopment of all public buildings, including schools, and can boast that it has already achieved and exceeded its target of saving around 38,000 cubic meters of gas. Currently, in fact, it has already reached the threshold of 50,000 smc / a saved. Before returning the school complexes to teachers, students and school collaborators, the Municipality made sure that each school site was provided with an energy certificate, containing all the information on the re-efficiency of the building in terms of insulation. thermal and energy consumption.

The improvement of the energy assets of public buildings allows the Municipality to save many costs that it can use for the improvement of other planned works. From the experience gained with EMAS, the Operational and Monitoring Manual of the SEAP was born, a real model consulted by the municipal offices in the collection and monitoring of data, including territorial ones. As a future vision the Municipality has decided that newly built structures must strictly comply with the new eco-sustainability criteria provided for in the Municipal Operational Plan and Urban Building Regulations (P.O.C.-R.U.E.).

As a final result, the Municipality can now boast a heritage of municipal buildings completely renovated and redeveloped, with costs that will pay for themselves over time and with the savings obtained from the redevelopment interventions.