INDIOS SHOES SRL
Project Funded by
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Linea Azione 4.2.1 sub azione A1

EUROPEAN UNION

For a long time, INDIOS SHOES SRL has relied on the important role of the building-plant as support of the corporate image and economic income. For managers of such enterprises, the ability to invest and renew themselves periodically is essential as it generates trust and a spirit of emulation in the target audience, essentially inducing greater availability in business. On the contrary, neglect and decay of the building discredit the activity and the quality of the products.
Let's not forget that part of the building is for commercial use, although not included in the diagnosis and funding project. In addition to the image effect there is a role that we will call of social responsibility, for example asbestos disposal or any action taken to increase efficiency and reduce climate-changing emissions.

A mission that the company cannot fail under its own social credibility.
The project aims to improve the energy performance of the factory-building, on one hand reducing electricity consumption and on the other producing electricity by itself.
On the roof a photovoltaic system will be installed complying the real needs of electricity consumption of the company, composed of modules fixed to light carpentry support structures, resting directly on the beams in c.a. of the prefabricated structure and exploiting only as a stiffening the already existing carpentry structure to the sheds. The plant will be equipped with multiple lines with inverters and it will be possible to monitor its production performance through web applications.
From the energy point of view, thanks to the photovoltaic system, a substantial reduction in consumption is expected for air-conditioning in summer, lighting and mechanical ventilation. Partly, there will also be improvements in the winter demand due to the presence of circulators, ventilating machines, and terminals in general, whether they are fan heaters or fan coils, mostly powered with 380V voltage. A further intervention will replace the existing traditional electric water heaters with heat pump heaters, with a significant reduction in electricity consumption already due to this technology.