Operation name:

IMPROVING THE ENERGY EFFICIENCY OF LIGHTING AT SFM STATIONS

Objective of the operation:

To improve the energy efficiency of lighting at all Serveis Ferroviaris de Mallorca (SFM) stations, reduce electricity consumption and ensure adequate, consistent lighting levels across the network.

Specific benefits achieved:

The lighting upgrade reduces estimated electricity consumption by approximately 925,646 kWh per year, generating estimated annual savings of €140,000.

Improved lighting, particularly at entrances and on stairways, enhances passenger safety and improves the quality of images captured by station CCTV systems.

Description of the works:

The project involves replacing outdated lighting with more energy-efficient LED equipment, installing additional light fittings, standardising lighting levels and improving illumination at entrances and on stairways. It also includes monitoring equipment to track electricity consumption.

The works were carried out in two phases. The first covers the Intermodal Station and the metro stations up to the University of the Balearic Islands (UIB), including Jacint Verdaguer and Son Costa/Son Fortesa. The second covers the remaining stations on the rail network, from Son Fuster to sa Pobla and Manacor.

Key project figures:

Scope: all stations on the SFM train and metro network.

Technology: LED lighting and electricity consumption monitoring equipment.

Estimated annual reduction in consumption: 925,646 kWh.

Estimated annual financial savings: €140,000.

Planned investment:

708.940,10 € (excluding VAT).

EU funding:

425.364,06 € (excluding VAT).

Implementation period:

01/2022 – 12/2024