Name of the Operation:

INSTALLATION OF AN AUXILIARY FEEDER ON THE PALMA–ES CAÜLLS SECTION

Objective of the Operation:

Installation of an auxiliary feeder on the Son Costa–Es Caülls section to prevent voltage drops along the section and strengthen the power supply in the event that the Son Costa substation is out of service.

Specific Benefits to Be Achieved:

Minimise voltage drops in the event of incidents affecting the electrical power supply, thereby helping to maintain railway services without the need to reduce service frequencies or cancel train services.

Promote sustainable mobility by improving the quality and reliability of services in the Palma metropolitan area.

Provide the electrification infrastructure along this section with sufficient capacity to accommodate increased train frequencies in response to demand.

Reduce overhead contact line energy losses by more than 50% along this section, allowing for greater use of the energy generated at the Santa Maria photovoltaic plant.

Main Project Details:

Scope: Railway section between Son Costa and Es Caülls.

Works: Installation of two 300 mm² copper cables on each track to increase the cross-sectional area of the overhead contact line.

Planned Investment:

€1,792,643.20

EU Funding:

€1,301,458

Implementation Schedule:

08/2022 – 06/2023.