

# CHANNEL COVERS FOR ELECTRICAL SUBSTATION

<b>CLIENT</b>	I-DE (IBERDROLA)
<b>LOCATION</b>	ALONSOTEGUI (SPAIN)
<b>USE</b>	CHANNEL COVERS AND PERIMETRAL ANGLES
<b>PRODUCT</b>	FRP COVERED GRATINGS AND ANGULAR PROFILES
<b>SERVICE</b>	DEVELOPMENT OF A CUSTOMIZED SOLUTION, TESTED ACCORDING TO THE CUSTOMER'S TECHNICAL SPECIFICATION



## OBJECTIVE

For the construction of new electrical substations, the client was looking for an alternative to the **already tested concrete covers**, which turned out to be extremely heavy and requiring frequent maintenance interventions over time. In view of a new construction site, to be developed as a “test,” a **new type of channel covers was requested**, electrically insulating, but with better performance. Compared to those in concrete, the new covers had to guarantee lighter weight, longer service life, and lower maintenance costs.

Additionally, the Client requires and accepts **products by approved companies only**.

## SOLUTIONS

To address the needs of the Client, M.M. proposed the use of a **covered grating made of polyester resin** with proper mechanical and anti-slip performance. **FRP** is an **excellent electrical insulator** and, if compared with concrete, it stands out for its **lightness, greater durability**, and **no need of maintenance**.

During the long approval process, the FRP covers have been carefully tested to meet the Client's technical requirements. After the test phase, **M.M. has been recognized as an approved company**.

For the “test” construction site, M.M. organized the delivery of cut-to-size covers, marked, and packed according to the **technical specifications** and equipped with **angular profiles** as housing.

The same type of covers will be supplied for the construction of other electrical substations.