



SOLUTION NOTE

STAR PROJECT

Iberdrola (Spain)

SN-STAR-EN-1113

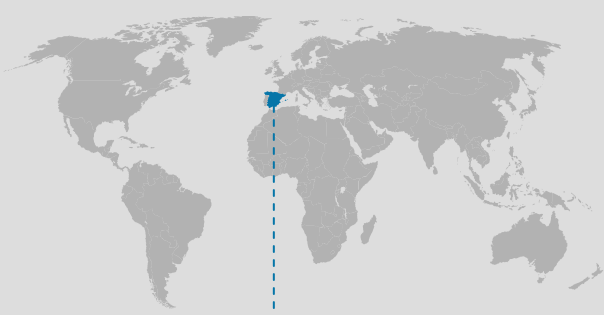
STAR PROJECT

SMART GRID ENERGY DISTRIBUTION

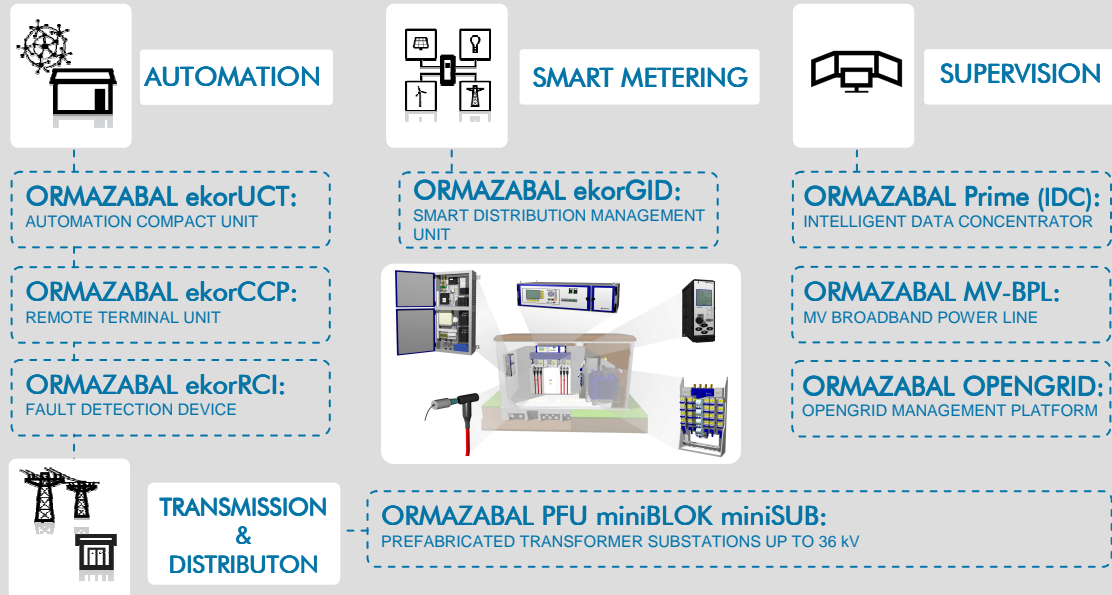
IBERDROLA Group launched in 2009 the **STAR Project** (Network Remote Management and Automation Systems), an ambitious initiative with the objective of transforming technology in the field of Smart Grids.

As part of it, Castellón became the first Spanish city with an intelligent power distribution grid. Iberdrola has 180,000 customers benefitting from improved power supply and quality and significantly reduced failure incidents. Iberdrola replaced or enhanced more than 100,000 meters currently used by residential and industrial customers with PRIME based smart meters from multiple vendors. Transformer stations were adapted to handle certain services remotely, read metering devices, and coordinate registrations, cancellations or modifications of subscribers.

YEAR » 2009
CLIENT » IBERDROLA
LOCATION » Castellón, Spain
SOLUTION » Automation and communications
SEGMENT » Utility (UTI) – Smart Grid



ORMAZABAL SMART MANAGEMENT SOLUTIONS: ADVANCED METER MANAGEMENT, GRID SUPERVISION AND AUTOMATION



IBERDROLA'S STAR PROJECT:
CASTELLÓN
MV / LV GRID WITH SMART MANAGEMENT

531 Transformer Substations equipped with advanced meter management, grid supervision and automation

THE CHALLENGE AND THE SOLUTION

Domestic and European Union wide directives are encouraging more and more utilities to modernize their distribution grids. Spain became a pioneer by starting to replace traditional metering systems with modern standardized AMR solutions. In addition to the regulatory directives, Iberdrola grabbed this opportunity to think beyond metering. Iberdrola introduced remote management and control solutions for monitoring distribution transformers to add additional value to the investment. At the same time, Iberdrola took advantage of the occasion to enable installing smart Medium Voltage (MV) network automation and monitoring devices in several substations.

Ormazabal, thanks to its know-how on the design of distribution network solutions, was capable to supply products and solutions fully operational and providing efficiency and reliability improvements beginning on Day one.

Intelligent Distribution Networks, Connected Intelligence® - deployed, proven and available today!