

Success of the Week 03/2020 Accreditation of VME/VMD and isoUG425, Spain, Bender Iberia



Project Description

Red Eléctrica de España is the sole transmission agent and operator (TSO) of the Spanish electricity system. Iberdrola is one of Spain's largest producers and suppliers of electricity.

Bender Iberia has been accredited by Red Eléctrica and Iberdrola for voltage (DC and 3AC) and insulation monitoring (DC) in substation and auxiliary systems.

Bender Iberia has become Spain's only supplier of voltage monitoring devices.

Products



VME420-D2



VMD420-D2



isoUG425

? Customer problem

The customer needed...

- ... reliable monitoring device (due to negative experiences with other devices)
- ... precise alarm setting
- ... fast commissioning

⚙️ Solution

Customisation of a specific device for each requirement, creating a plug-and-play device

Possibility of setting an exact alarm value

🔊 Benefit for the customer

Fast and easy commissioning without any knowledge of the device

Installation of a reliable device

Avoidance of unwanted tripping due to unprecise configuration (with potentiometers)

📊 Project scope (€ or \$)

Approx. €160,000 / year

Additional information



- Since the nineties, Bender has provided Red Eléctrica with the SUA145 and the UG140P. After the phase-out of these devices, the new devices VME and isoUG were accredited
- The VMD420 was offered to substitute the RV-UT.13011 by the Spanish manufacturer Arteché and was also accredited
- Bender Iberia offered the VME420 to Iberdrola as a solution for their DC 125 V system and the possibility to create a customised device. Some time later, a customised version of the VMD420 was also accredited as an undervoltage and phase sequence monitoring device for their 3AC 230 V systems
- The devices are installed in different distribution substations:
 - VME420 and isoUG425 in DC 125 V system
 - VMD420 in 3AC 230 V system

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