

**Susana Costa**

Susana Costa, an electrical engineer from the Faculty of Engineering of the University of Porto, is currently responsible for the Systems Engineering Department for electricity and gas infrastructure at REN. With the company since 2000, she has vast experience in protection, command, and control systems, power supplies, and asset monitoring.

She oversees the control, protection, and monitoring systems and has carried out roles with responsibilities in project, design, specification, equipment qualification, testing, studies, and modelling of the Portuguese National Transmission Network. As member and convener of the ENTSO-E Protection Equipment group, she participated in the development of topics such as the coordination of protection systems, behavioural analysis, substitution criteria, and new technological solutions.

Throughout her extensive professional career at REN, she has been involved in the expansion of the Portuguese national transmission network, with the construction of substations and the connection of promoters to the RNT [Portuguese National Transmission Network]. She has also been involved in international consultancy projects with Companhia de Eletricidade de Macau [Electricity Company of Macau] and with Empresa Nacional de Eletricidade de Angola [Angolan National Electricity Company]. More recently, she has been supporting Transemel (Chile) in her area of expertise.

She began her professional activity, immediately after graduating, with a brief experience at EFACEC, where she joined the medium-voltage-equipment Research and Development Department.