



Monitoring of MV/LV transformers by applying data analytics to electrical and thermal sensors information

Abstract:

The possibility of correlating information from electrical, image and other kind of sources, such as the dissolved gas concentrations in transformer oil, with several simultaneous measurements, could be useful to distinguish the root cause of failures. This is actually the main goal of the MONICA and PASTORA projects developed by Endesa-Enel and other international companies, which are aimed at accurately determining the actual situation of low and medium-voltage distribution grids in real-time, preventing and accelerating the solution of network failures.

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Jacob Rodriguez Rivero is a Telecommunication Engineer by University of Seville and Executive Master in Business Administration (EMBA) by I.I. San Telmo (IESE). He has been 12 years with Endesa and Enel, where he currently works as Unit Manager in Endesa Ingenieria and Innovation Project Manager in Endesa Red. In addition, he is a Lecturer in Telecommunication degree at University of Granada. He is involved in several national and international R&D projects such as Smart City Malaga, SmartCity Barcelona, , SmartCity Buzios (Brasil), SmartCity Santiago (Chile), SmartCity Bogotá (Colombia), Growsmarter (H2020) and GRACIOS