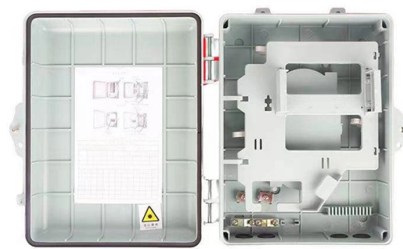


Tunisia s power distribution network automation



Overview

The Smart Metering and Smart-Grid Distribution Modernization Programme is a national electricity-sector modernization initiative led by the Société Tunisienne de l'Électricité et du Gaz (STEG) for Tunisia's power network distribution through introducing smart meters, digital. The Smart Metering and Smart-Grid Distribution Modernization Programme is a national electricity-sector modernization initiative led by the Société Tunisienne de l'Électricité et du Gaz (STEG) for Tunisia's power network distribution through introducing smart meters, digital. In this paper, we were interested in the harmonization of the protection plan settings in order to ensure a perfect selectivity and a better continuity of service on the whole of the network. Keywords—Distribution network Gabes-Tunisia, NEPLAN©DACH, protection plan settings, selectivity. The study focuses on harmonizing protection settings in Tunisia's medium voltage distribution. E3 International (E3I) has successfully completed the Factory Acceptance Testing (FAT) of a new Fault Location, Isolation, and System Restoration (FLISR) system. The testing took place from October 29–31, 2025, marking a major milestone in E3I's collaboration with Tunisia's national electricity and. Tunisia needed to scale up its electricity distribution network to meet increasing demand for energy from industries and enterprises, as well as from a larger consumer base. It constructed and rehabilitated over 3,000 kilometres of medium tension lines. This contributed to reducing network failure. In 2014, STEG operates a 6 209 km of transmission network distributed as follows : In addition to their function to meet a perpetual growing demand, the new works will allow us to minimize the risks of obsolescence and to prepare our network to play its role as a link in a large system.

Article Content

GIS-Based Planning and Web/3D Web GIS Applications for the

Geographic Information Systems (GISs) have an essential part to play in the management and planning of electricity distribution. Since the management of electricity network

Planning to Equip the Power Distribution Networks with Automation ...

Implementing automation system in distribution networks needs a huge investment that usually cannot be funded entirely in a short period of time. So distribution companies (DISCOs)

Tunisia Power Transmission and Distribution Market (2025-2031 ...

Historical Data and Forecast of Tunisia Power Transmission and Distribution Market Revenues & Volume By Transmission & Distribution Networks for the Period 2021 - 2029

Energy Automation and Smart Grid

Energy Automation Products Economic efficiency and permanent availability of the electric energy from the generation to the consumer - these are requirements which the power supply utilities

Course: Electrical distribution network, operation and control

Course Introduction: Electrical distribution networks are a crucial part of modern infrastructure, ensuring the efficient and reliable delivery of electrical power to industrial, commercial,

The Transmission of Electricity | Tunisian Company of Electricity and

In addition to their function to meet a perpetual growing demand, the new works will allow us to minimize the risks of obsolescence and to prepare our network to play its role as a link in a large system inter

Tunisia Power Market Size, Share, and Industry Trends Forecast 2026 ...

Tunisia power encompasses electricity generation, transmission, and distribution infrastructure operating across voltage classes from low-voltage distribution at 220-400V to high-voltage transmission at

Tunisia Electric Power Substation Automation Market (2025-2031 ...

6Wresearch actively monitors the Tunisia Electric Power Substation Automation Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

Industrial Automation Services

Industrial Automation Services in Tunis, Tunis We support industrial automation projects with PLC integration, HMI and SCADA development, instrumentation connectivity, control panel coordination,

Tunisia focuses on grid expansion for integrating renewable energy ...

Tunisia is also planning to execute various cross-border interconnection projects with several African and European countries to undertake regional power exchange for boosting industrial

Protection Plan Of Medium Voltage Distribution Network In Tunisia

The study focuses on harmonizing protection settings in Tunisia's medium voltage distribution network. Gabes' network, with 33 kV and 15 kV systems, suffers from inadequate protection leading to outages.

Protection Plan of Medium Voltage Distribution Network in Tunisia

Abstract—The distribution networks are often exposed to harmful incidents which can halt the electricity supply of the customer. In this context, we studied a real case of a critical zone of the Tunisian

E3I Completes Testing of Smart Grid System for Tunisia's National ...

The testing took place from October 29–31, 2025, marking a major milestone in E3I's collaboration with Tunisia's national electricity and gas company, Société Tunisienne de l'Électricité et du Gaz (STEG).

Projects – Arab Urban Development Institute

The Smart Metering and Smart-Grid Distribution Modernization Programme is a national electricity-sector modernization initiative led by the Société Tunisienne de l'Électricité et du Gaz (STEG) for

Electrical distribution network, operation and control

Throughout the training, attendees will learn to understand the structure and components of electrical distribution networks, operate and control power distribution systems effectively, and implement best

Impact assessment of photovoltaic and wind energy integration on low ...

However, the integration of RESs may influence the steady-state operation of the distribution network. Accordingly, an assessment of the impact of the high RESs integration such as

Tunisia Power Distribution Unit Market (2025-2031) | Trends, Outlook ...

The Tunisia Power Distribution Unit market is driven by increasing investments in infrastructure development and industrial automation. Demand for reliable power distribution solutions, coupled

Distribution Automation

Distribution network automation refers to the combination of modern electronic technology, communication technology, computer network technology with power system equipment, integrating

Contact Us

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