

These versatile substation automation and data management units are used together with protection relays and other communication devices to enable smart distribution solutions.

Without adequate protection, grid assets are subject to failures on numerous fronts. For over 100 years, Hitachi Energy has been keeping power grids safe and secure with protective relays and control ...

This document covers communication systems for the purpose of SCADA, protection, corporate voice/data, security surveillance and the evolving smart grid within transmission, switching ...

In the early years of digital communication, substations were either connected through low-bandwidth links or not connected at all. Only a small set of information was sent to the control center due to the ...

The range of control cabinets for cable networks comes in different sizes and materials and can be flexibly mounted to suit a variety of installations, whereas the cabinets for overhead-line networks ...

Over five decades, ZIV has been granted with the confidence of many power utilities that strongly value state of the art devices, backed by 100% in-house development of PLC and teleprotection tech ...

In this paper we explain why Cisco Industrial Ethernet switches are suitable for the utility environment and different applications, and how we use cisco IE switches and related technologies to build an ...

During 2023-2024, we published a series of articles delving into the intricacies of powergrid communication. Now we offer a compilation of these articles as a full brochure, presenting a ...

Standards-based power line carrier solutions provide an attractive communication channel for all applications in medium-voltage and low-voltage Smart Grid scenarios.

This document covers communication systems for the purpose of ...

For substations that have been identified to house minimum protection communication devices and street fibres, the following allocation and connectivity shall follow.

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