

Traction Substation Integrated Automation and Safety Monitoring System

This system provides comprehensive management and monitoring of traction substations. It integrates automation, control, and safety features for reliable operation.



System Overview

Integrated Traction Substation Management

The TA21 is a comprehensive integrated automation and safety monitoring system designed for traction substations. It utilizes a hierarchical, distributed network architecture to seamlessly combine protection, measurement, control, and video-based safety monitoring. This solution is engineered to deliver reliable performance for various traction environments, including zoning, open, and close applications.

Technical Specifications

Processor Architecture

Embedded 32-bit microcontroller

System Architecture

Key Components

- Protection, measurement, and control unit
- Local monitoring unit
- Remote communication unit
- Safety (video) monitoring unit

Safety & Features

Safety Capabilities

Real-time monitoring, Disaster alarm, Image monitoring, Automated control

Application

Suitability

Suitable for various kinds of traction substations, including zoning, open, and close applications.