

The platform safety gate is important safety protection equipment in urban rail transit, which makes the rail area relatively independent from the platform waiting area, ...

and completes the control, status monitoring and fault alarm functions of the upper and lower platform safety door (V., A., Kholopov, E., N., & Kashirskaya, et al. 2019; Liu et al. 2020). The ...

Numerous research has been conducted on developing intelligent energy management systems for microgrids. An energy management system for a microgrid was proposed in [29] based on ...

Numerous studies have used IoT solutions for energy management and system monitoring in a microgrid (Sylcloud Smart Micro Grid, 2022). Reference (Khan et al., 2018) proposes a communication platform ...

By comparison, this work is unusual because it employs all four SCADA elements to accomplish a new aim of intelligent energy management (Ali et al., 2021). 3.4 Microgrid monitoring system ...

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In [33], the LabVIEW simulator and an Open Platform Communications (OPCs) interface provide a remote monitoring tool for an experimental microgrid. This article discusses intelligent ...

graphical design aspects are studied and reported. Furthermore, an experimental case applying an open-source suite (Grafana) to a DC microgrid is expounded. Keywords : Monitoring, ...

The digital twin (DT) has recently been forth in the rapid advancements at cloud computing and artificial intelligence (AI). It has numerous applications in smart cities, Industrial ...

A microgrid is characterized by the integration of distributed energy resources and controllable loads in a power distribution network. Such integration introduces new, unique challenges to microgrid management that ...

year 2012. In the scope of the first perception this smart microgrid laboratory platform design started. A smart micro grid laboratory is very essential on a campus with engineering courses. ...

ETAP Microgrid software allows for design, modeling, analysis, islanding detection, optimization and control of microgrids. ETAP Microgrid software includes a set of fundamental modeling tools, built-in analysis

modules, and ...

required by the AC microgrid and provided a feasible way of new energy consumption, ... [9-12]. Therefore, an intelligent integrated monitoring platform is necessary for MSFP to monitor the ...

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