Low Noise Energy Internet for Monitoring

This study aims to develop and validate EcoDecibel, a low-cost, IoT-based sensor system for continuous noise monitoring, addressing the gaps in existing noise measurement technologies.

This work presents an environmentally sustainable solution based on an Internet of Things (IoT) platform in the city of Skopje, the capital of North Macedonia for the purpose of 24-hour monitoring of the level ...

One such a solution is the use of low-cost Internet of Things (IoT) based sensor networks for monitoring the environment. These networks are comprised of interconnected sensors that collect data on ...

This study uses LoRa technology to construct a monitoring system for the electric energy Internet of Things.

The concept of low-cost sensor network based on Internet of Things (IoT) technology for monitoring environmental parameters is trendy area of research that has attracted a lot of scientific attention ...

In this study, the authors built an internet of things (IoT) system that allows remote control centres to monitor the condition of transformers through noise and vibration at non-human ...

Discover how LPWA IoT transforms network monitoring with low-power, wide-area solutions. Learn PRTG sensors for IoT device monitoring and ...

A low-cost, portable, IoT-based solution is developed for noise pollution monitoring that can be mounted on vehicles, enabling affordable and scalable deployment in urban areas.

Abstract: Wireless networking sensor nodes for environment monitoring in Internet of Things (IOT) are reported in this work. The IOT network includes individual self-sustaining nodes wirelessly ...

The main purpose of this study is to explore the feasibility and optimization of LoRa wireless technology in constructing a low-voltage power IoT monitoring system.

The long-range and low-power nature of LoRa makes it an interesting candidate for smart sensing technology in civil infrastructures (such as health monitoring, smart metering, environment ...

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