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Title: Base station power supply detection

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Based on the prediction of PSU usage by an advanced generalized additive model for time series forecasting called Prophet, the PSU power headroom is derived and the ...

The invention relates to the technical field of power supply management of a communication base station, in particular to an intelligent power supply state detection method and system...

Eleven power-supply system related features and alarms were collected from a real-time power and environmental monitoring system installed in each BTS.

In mobile telecom networks, Base Transceiver Station (BTS) is a key ...

This study is dedicated to predicting potential failure indicators in BTS power systems using deep neural network architectures, such as recurrent and convolutional neural networks.

To address the issue of how to maximize renewable power utilization, a dual power supply strategy for green base station is proposed in this article. The strate.

Leveraging redundant BTS power supply with predictive analytics allows network operators to anticipate outages, crucial for maintaining service reliability and minimizing ...

Base Transceiver Stations (BTSs), are foundational to mobile networks but are vulnerable to power failures, disrupting service delivery and causing user inconvenience. What is a ...

ECONET Zimbabwe has been experiencing unprecedented BTS power system failures for the past five years. Team Data Science Process was the pillar of the study methodology. The ...

The power consumption of the RF PA in wireless communication base stations are too large and the efficiency of RF PA is too low. In this paper, a new hybrid ET power supply with a multi ...

In mobile telecom networks, Base Transceiver Station (BTS) is a key infrastructure that connects customers with the mobile network. BTSs are geographically scattered across the networks ...

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