

Porto Novo main city base station communication restored





Overview

What happened to Portugal's black start capacity?

Faced with this situation, Portugal initially resorted to its black start capacity (starting up power stations autonomously from a total power outage) at the Tapada do Outeiro gas-fired power station, which allowed power to be restored very carefully in areas of Greater Porto.

Do communication base stations perform post-earthquake functionality using Bayesian network?

A method to evaluate the post-earthquake functionality of communication base stations using Bayesian network is developed. The dependence between the equipment and its hosting building structure, and the impact of power outages are considered. The method is validated using seismic damage data from the Ludian Earthquake.

What causes a communication base station to fail?

Power interruption is a significant contributor to communication base station functional failure. Communication systems closely rely on power systems, and power outages can result in widespread station interruptions. In the case of the earthquake in Changning County, 90% of disrupted base stations experienced power interruptions as the cause .

What causes base station functional failure?

In Fig. 6, the causes of base station functional failure (T) are identified: power interruption (I 1), damage to communication room (I 2) (equipment included), and damage to communication towers (I 3).



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Blackout: Areas of all districts on the mainland with power restored

The impact included the closure of airports and schools, queues forming at commercial establishments, and traffic congestion in major cities. Efforts to restore electricity ...

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Operation , CEM

The type of generation technology deployed are the low-speed diesel generator (CCA) and the combined cycle gas turbine (CCB). These two types of generating units make up of 66.6% ...

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We develop a prototype of a proposed mobile base station and test its operation in an outdoor environment. The experimental results provide a sufficient data rate to make an ...

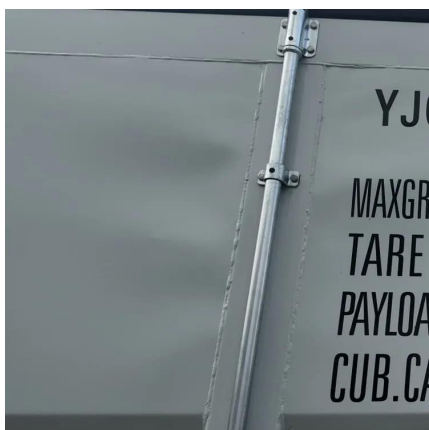
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Rui Moreira says the situation will normalize in Porto in the ...

At 9:10 p.m. on TVI/CNN, the Mayor of Porto, Rui Moreira, announced that electricity had been restored in several areas of the city, including Massarelos, Lordelo do ...

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Power supply restored in northern Greater Porto and ...

Faced with this situation, Portugal initially resorted to its black start capacity (starting up power stations autonomously from a total power outage) at the Tapada do Outeiro ...

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Post-earthquake functional state assessment of communication base

There is a lack of models that can fully evaluate the post-earthquake functional states of base stations with the consideration of the dependencies between different ...

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[Blackout: Areas of all districts on the ...](#)

The impact included the closure of airports and schools, queues forming at commercial establishments, and traffic congestion in major cities. Efforts to restore electricity have been ongoing and progressive. By ...

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Operation , CEM

The type of generation technology deployed are the low-speed diesel generator (CCA) and the combined cycle gas turbine (CCB). These two types of generating units make up of 66.6% and ...

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