

The role of emergency communication mobile base stations





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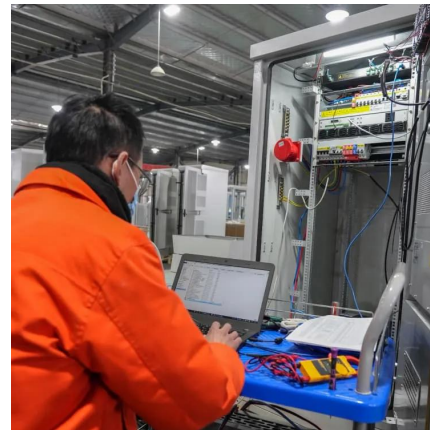


Smart Unmanned Aerial Vehicles as base stations placement to improve

Jan 1, 2022 · Abstract Future mobile communication networks need Unmanned Aerial Vehicles as Base Stations (UAVasBSs) with the fast-moving and long-term hovering capabilities to ...

Movable Base Stations in Mobile Networks for ...

Nov 8, 2025 · Abstract--An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to ...



Movable Base Stations in Mobile Networks for Emergency Communications

Sep 8, 2023 · An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to natural or ...

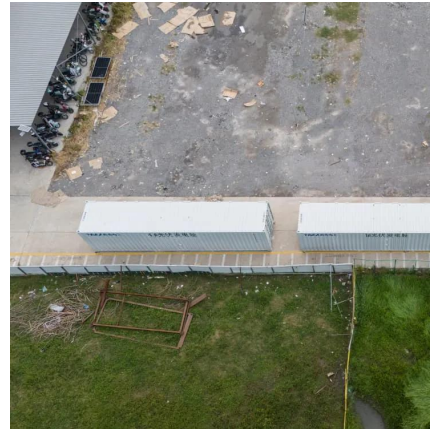


Efficient Mobile Base Station Placement for First Responders ...

Feb 2, 2019 · We consider the problem of mobile base station placement to meet the critical communication requirements of first responders



in an ad hoc public safety network. By ...



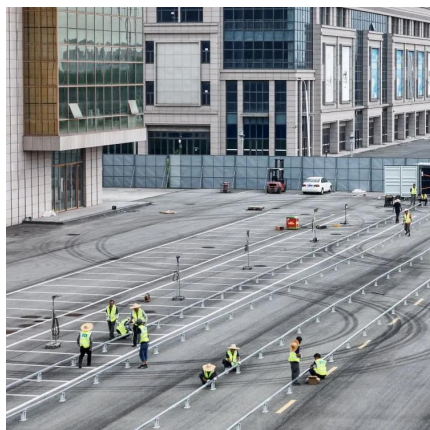
Transportable base station for emergency communications

Mar 21, 2025 · Access to reliable communications services is a key factor in any emergency situation. ASTRI has succeeded in producing a mobile base station that allows for cost ...



An Independent UAV-Based Mobile Base Station

Feb 22, 2025 · In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. To rapidly restore damaged communication ...



Energy efficient deployment of aerial base stations for mobile ...

Apr 15, 2024 · Recently, the concept of base stations on low altitude platforms (LAPs) attracted researchers' attention for emergency communication and the digital divide in under-developed ...



Autonomous Relocation of Mobile Base Stations in ...

At the same time, unusual peaks in traffic load could lead to much higher blocking probability for critical communication. A possible solution for such scenarios is through the use of mobile ...



Vehicle mounted base station: a mobile fortress for emergency communication

Dec 6, 2024 · Vehicle mounted base stations, as a type of mobile base station, can be classified into multiple types based on their coverage and functionality. Compared with macro base ...

An Independent UAV-Based Mobile Base Station

Moreover, these results confirm that the UAV-based mobile base station prototype can serve as a viable alternative to the existing mobile base stations lost, and it provides sufficient data ...



An Independent UAV-Based Mobile Base

Feb 22, 2025 · In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. ...



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