



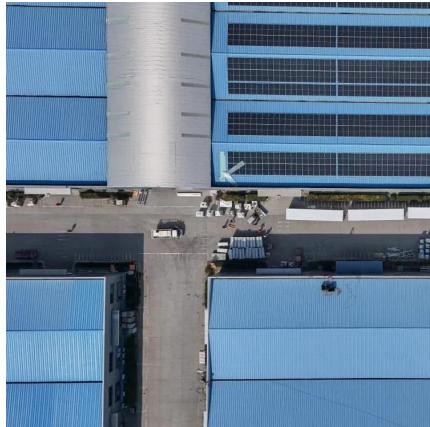
GermanSolarZA

# **The role of emergency communication mobile base stations**





## The role of emergency communication mobile base stations



### Movable Base Stations in Mobile Networks for Emergency Communications

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 ...

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### Efficient Mobile Base Station Placement for First Responders ...

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 ...

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### 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 ...

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### An Independent UAV-Based Mobile Base

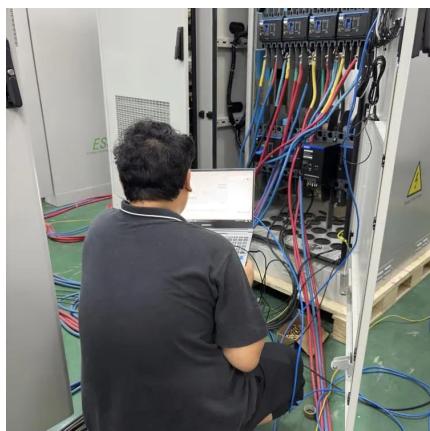
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In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. To rapidly restore damaged communication



systems, we propose a UAV ...

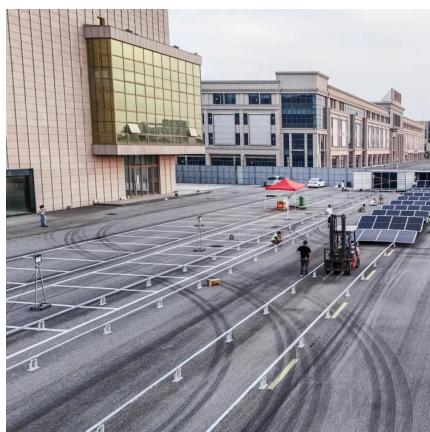
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## [Airborne Base Stations for Emergency and Temporary ...](#)

1 Introduction The rapid growth of bandwidth-hungry communication applications has put network operators under pressure to exploit the radio spectrum as efficiently as ...

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## [Movable Base Stations in Mobile Networks for ...](#)

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 ...

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

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

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## 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

...

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## Transportable base station for emergency communications

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 ...

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## An Independent UAV-Based Mobile Base Station

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

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## **Vehicle mounted base station: a mobile fortress for emergency communication**

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 ...

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