

What is the use of the three-dimensional communication integrated base station





Overview

Can a 3D base station be used in next generation cellular networks?

IEEE Efficient 3-D placement of an aerial base station in next generation cellular networks. Paper presented at: 2016 IEEE International Conference on Communications (ICC).

Can unmanned aerial vehicles be a base station for IoT?

Recently, unmanned aerial vehicles (UAVs) have been reported a lot as aerial base stations (BSs) to assist wireless communication in Internet of Things (IoT). However, most results for UAV deployment require uniform access requirements and obstacle-free environment.

What is a 3D placement of unmanned aerial vehicle base station?

A 3D placement of unmanned aerial vehicle base station based on multi-population genetic algorithm for maximizing users with different QoS requirements. Paper presented at: 2018 IEEE 18th International Conference on Communication Technology (ICCT). IEEE.

What are practical use cases for aerial base stations?

Practical use cases for aerial base stations UAVs are highly desirable in today's communication systems due to their agility and mobility, low-cost of implementation and ability to move to higher altitudes to provide LoS communications , .



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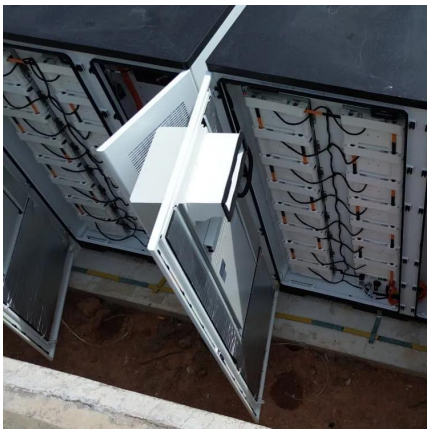
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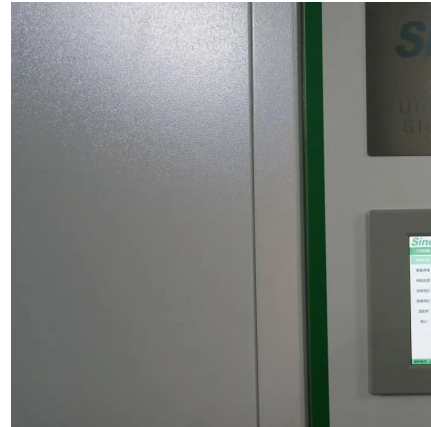


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In the literature, various solutions are proposed to improve network performance in such cases. Prominent solutions include unmanned aerial vehicles capable of providing base station services, reconfigurable ...

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The use of low-altitude unmanned aerial vehicles (UAVs) as flying network entities in cellular communications has recently attracted increasing attention from industry [1] and academia [2]- [4].

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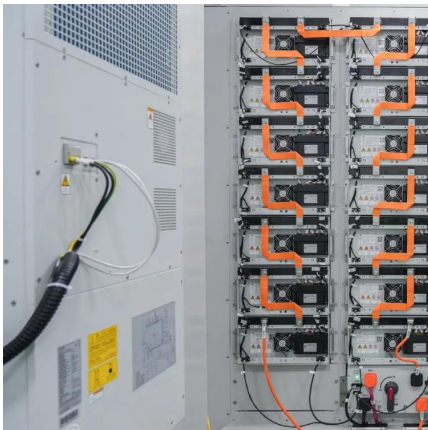




Base Stations

The present-day tele-space is incomplete without the base stations as these constitute an important part of the modern-day scheme of wireless communications. They are ...

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Base Stations

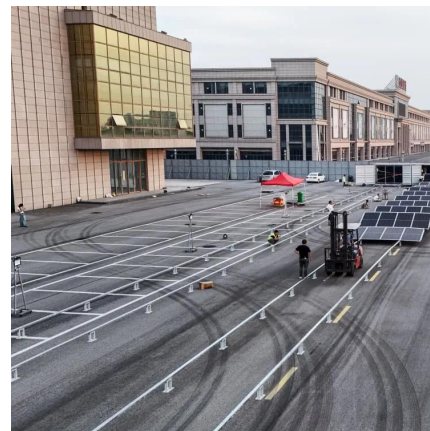
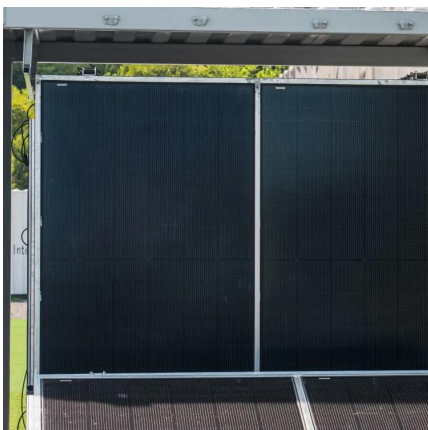
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The literature has several high quality surveys that analyze UAV-assisted communication networks from various standpoints. For instance, Zhang et al. in [24] present a ...

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