

Nouakchott s first offshore 5G base station





Overview

Can 5G be used offshore in Ningde?

It estimates that in offshore areas in Ningde, 100 5G cell sites could support capacity of 485 Gbps, compared with the 50 Gbps from satellite infrastructure. The new 5G network also offers much better offshore coverage than would be possible with 4G, according to China Mobile.

What is 5G marine network & how does it work?

In Ningde, China Mobile and Huawei have built a showcase 5G marine network to provide coverage up to 50 km offshore. The network employs tall radio masts transmitting over a mixture of frequency bands, supplemented by network technologies and techniques designed to optimise coverage at sea.

Can 5G be a model for other maritime networks?

The showcase 5G network in Ningde is serving as a template for other maritime networks to meet the growing demand for connectivity at sea. Similar solutions have since been implemented in eight coastal provinces and cities in China. In China alone, there are about five million coastal fishermen engaged in aquaculture and fishing.

How can 5G help the fishing industry?

Specialist 5G networks can provide this enormous industry with the connectivity it needs, while also helping to regulate recreational fishing. In the energy sector, 5G could be used to bring connectivity to China's 14,000 offshore wind turbines, which are on average 22 km offshore.



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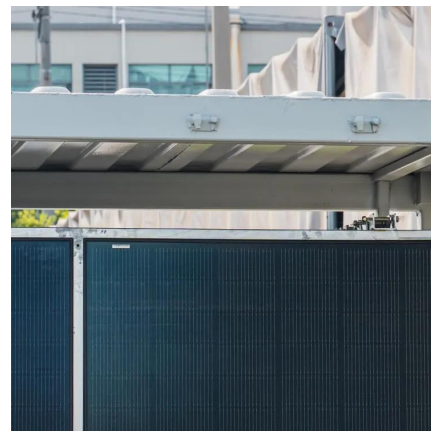


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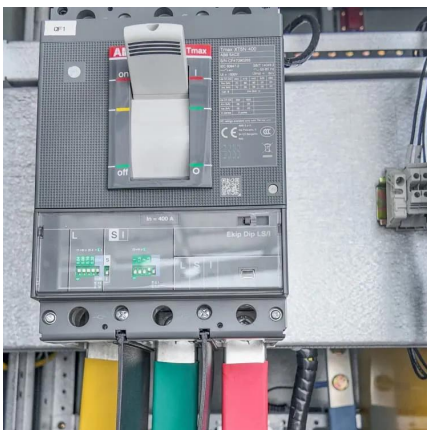
[Nokia confirms Tampnet 5G radio deal](#)

Dec 3, 2025 · Nokia confirmed its Tampnet 5G deal, which we first reported in August. Tampnet has operations in the North Sea and the Gulf of Mexico, after Fierce first reported on this deal ...



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