

Base station design for mobile communication companies





Overview

What is a mobile base station?

A mobile base station, also called a base transceiver station (BTS), is a fixed radio transceiver in any mobile communication network or wide area network (WAN). The base station connects mobile devices to the network and routes them to other terminals in the network or to the core network of a mobile operator. Read more [Explore Mobile base](#).

Why are base stations important in cellular communication?

Base stations are important in the cellular communication as it facilitate seamless communication between mobile devices and the network communication. The demand for efficient data transmission are increased as we are advancing towards new technologies such as 5G and other data intensive applications.

What are the components of a base station?

The base station will have one or more RF antennas installed to transmit and receive RF signals from other devices. The block diagram of a base station typically includes the following key components: Baseband Processor: The baseband processor too deals with different communication protocols and interfaces with mobile network infrastructure.

What is a base station?

Network Coverage: Base stations cover a given part of the earth. Various base stations are set up in such a way that forms a network to encompass all areas of the city, region or even an entire country.



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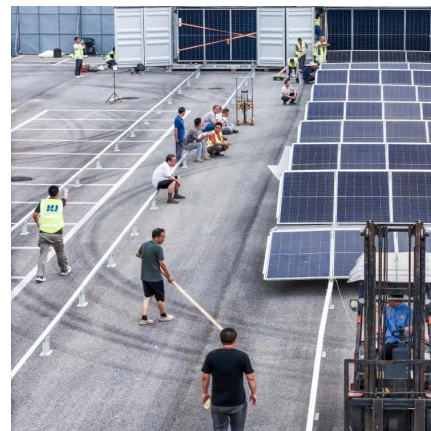
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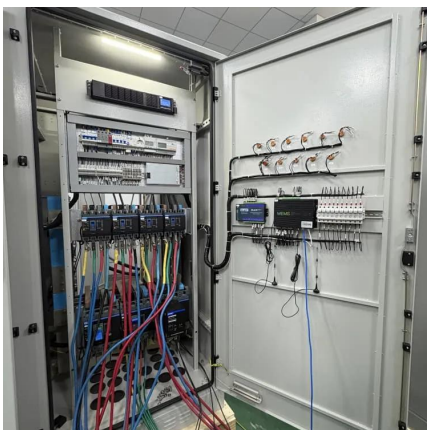
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