

## Solar Storage Container Solutions

# Warsaw Communication Small Base Station



## Overview

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How does a small cell base station communicate with a core network?

The small cell base station communicates with the core network over a high-speed backhaul connection. Core network: The core network manages the overall operation of the small cell network, including authentication, authorization, and routing of user traffic.

What was a Warsaw radio mast?

The Warsaw radio mast was a guyed steel lattice mast of equilateral triangular cross section, with a face width of 4.8m (15.7feet). The vertical steel tubes forming the structures of the mast had a diameter of 245 millimetres (10 in); the thickness of the walls of these tubes varied between 8 - 34 mm (0.31 - 1.33 in) depending on height.

What is a medium-range base station?

Medium-range base stations, which are adapted from microcell scenarios for Outdoor deployment. Small cells support various frequency bands defined by 3GPP [TS38.104], including FR1 and FR2 bands, which may be licensed, shared, or unlicensed, depending on deployment.

What are the functions of a small cell base station?

It includes various functions such as the User Plane Function (UPF), Control Plane Function (CPF), and Session Management Function (SMF). Transport network: The transport network provides the high-speed connectivity between the small cell base station and the core network.

Why did Poland build a radio mast?

Prior to the mast's creation, the Raszyn radio transmitter had served as the nation's principal transmitter. However, when that was rebuilt in 1949 it was designed to cover Poland's so-called Eastern Borderlands rather than 'Recovered Territories' in the north and west.

What was the purpose of a radio tower in Poland?

The opening of the mast was met with extensive celebration and was covered by the Polish Film Chronicle. The tower was used by Warsaw Radio-Television (Centrum Radiowo-Telewizyjne) for radio broadcasting on a frequency of AM-LW (longwave) 227 kHz before 1 February 1988 and 225 kHz (1332m) afterwards.

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