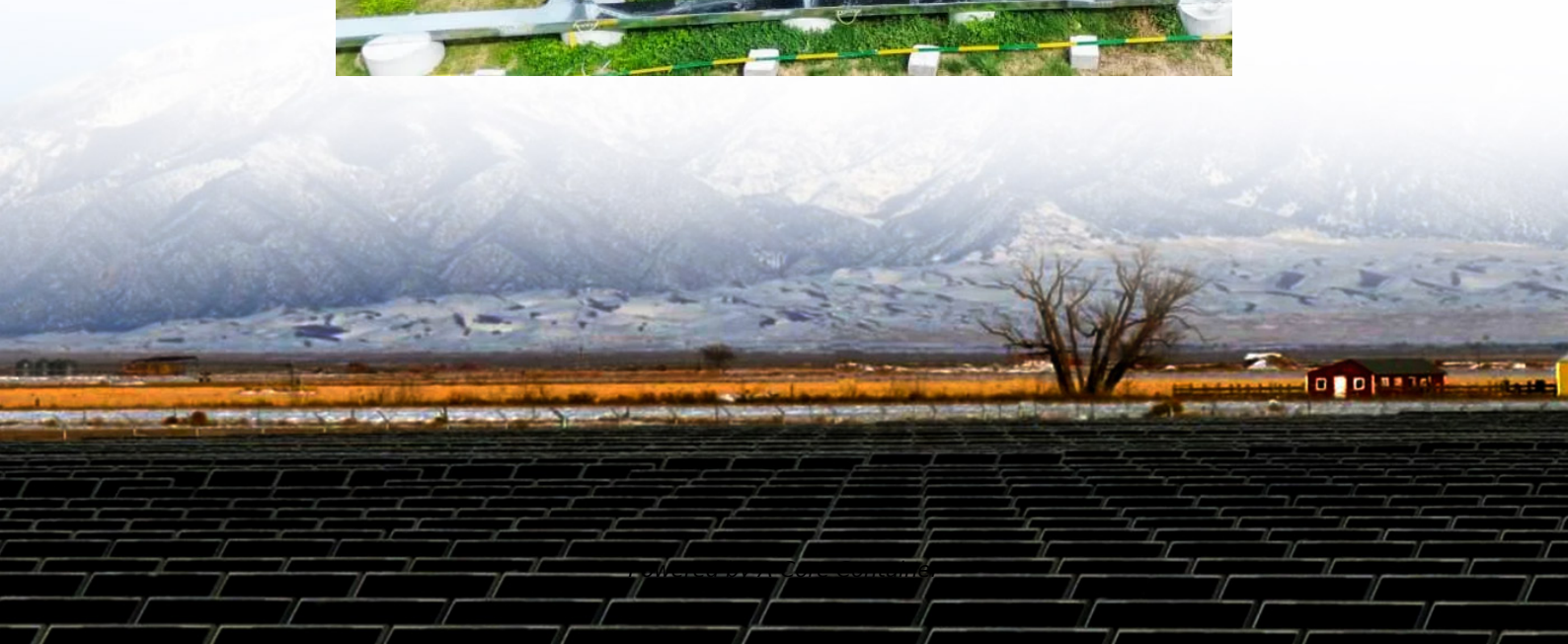


A-Core Container

USA Outdoor Wind Power Base Station Customization



Overview

Where do technical specifications for wind turbines come from?

Technical specifications for turbines are obtained directly from project developers and turbine manufacturers, or they are based on data obtained from public sources. In 2016, USGS, LBNL, and the American Wind Energy Association (AWEA, the predecessor of ACP) began collaborating on development of the USWTDB.

Are passive base station antennas transforming mobile networks?

Explore the latest white paper from ANDREW and dive deep into the cutting-edge innovations in passive base station antenna (BSA) design that are transforming mobile networks.

How many turbines are in the uswtodb?

The latest release includes data on 76,051 turbines covering 45 states (plus Guam and PR). The most recent turbines added to the USWTDB became operational as recently as the fourth quarter of 2024, with a few from the first quarter of 2025. The oldest turbines in the data set were installed prior to 1990.

How are wind turbine records collected & compiled?

Wind turbine records are collected and compiled from various public and private sources, digitized or position-verified from aerial imagery, and quality checked. Technical specifications for turbines are obtained directly from project developers and turbine manufacturers, or they are based on data obtained from public sources.

How long does a uswtodb release lag a turbine installation?

The oldest turbines in the data set were installed prior to 1990. USWTDB releases generally lag installations by one quarter to allow for merging of the various datasets, visual verification, and quality control. See more details on

the release.

How was windfarm data created?

The data were created by combining publicly available data sets from the Federal Aviation Administration (FAA), USGS WindFarm data from a prior effort, online sources, and data privately held by ACP and LBNL. The locations of all turbines were visually verified to within 10 meters using high-resolution imagery.

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Contact Us

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