

UHV Transmission Tower Testing Site

This site is used for testing the structural integrity and performance of UHV transmission towers. It features multiple lattice towers of varying designs and heights.



Overview

World-Class UHV Tower Testing Base

This ultra-high voltage (UHV) tower testing facility serves as a critical experimental research hub for verifying the structural integrity and performance of power transmission infrastructure. Designed to support rigorous real-world testing, it accommodates various tower types and complex component evaluations. The site is a premier destination for validating advanced electrical transmission designs to ensure safety and reliability under high-voltage demands.

Technical Capabilities

Testing Scope

- Structural integrity verification
- Component performance testing
- Overall real-scale tower testing
- Multi-circuit tower design validation

Supported Voltage Levels

AC 1000kV, ± 1000 kV DC, ± 800 kV

Infrastructure

Site Characteristics

Lattice Tower Structures • Complex Bracing Systems • Controlled Experimental Environment • Integrated Control Buildings