

# High-Altitude Power Transmission Testing Facility

This facility is designed for evaluating the performance and reliability of power grid components in high-altitude environments. It features lattice towers and associated electrical equipment for comprehensive testing.



## Facility Overview

### World-Class High-Altitude Research Platform

This state-of-the-art research base is situated at an elevation of 4300 meters, making it the highest power pilot research facility in the world. It provides a comprehensive test platform specifically designed for evaluating power transmission lines in extreme high-altitude conditions. The facility is essential for assessing equipment insulation, corona characteristics, and the overall electromagnetic environment for high-altitude energy infrastructure.

## Technical Specifications

### Research Capabilities

- High-altitude environmental simulation
- Equipment insulation performance
- Corona characteristics analysis
- Electromagnetic environment testing

### Operating Altitude

4300 m

### Key Infrastructure

Lattice Towers, Transmission Conductors, High-Voltage Testing Equipment