

AUTOMATIC METEOROLOGICAL STATION

Introduction

Zhice Yunlian automatic meteorological station is developed for extreme environments such as polar regions, high-altitude areas, cryosphere zones and deserts. Adopting a cloud-edge-end collaborative sensing architecture, the cloud platform performs data fusion, intelligent analysis and remote management & control.

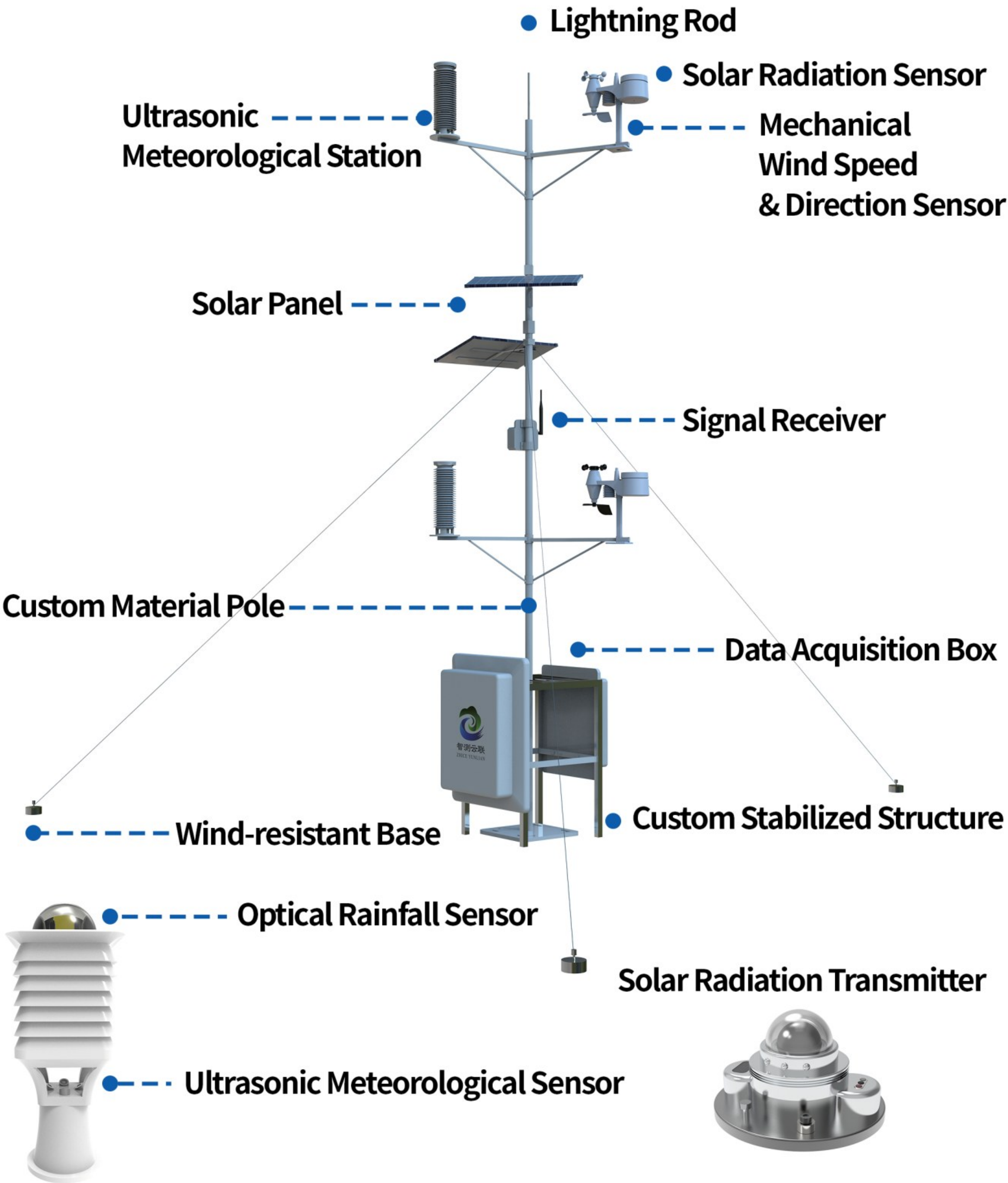
The device features wide operating temperature range, high ingress protection, corrosion resistance and low power consumption. It can operate unattended under ultra-low temperature, heavy wind-blown sand and no public network conditions, and accurately collect multi-parameter meteorological data. It can be seamlessly connected to the intelligent control system of scientific research stations, providing standardized, continuous and reliable meteorological sensing support for long-term field scientific observation, and fully meeting the construction requirements of intelligent environment systems for smart scientific research stations.

Equipment

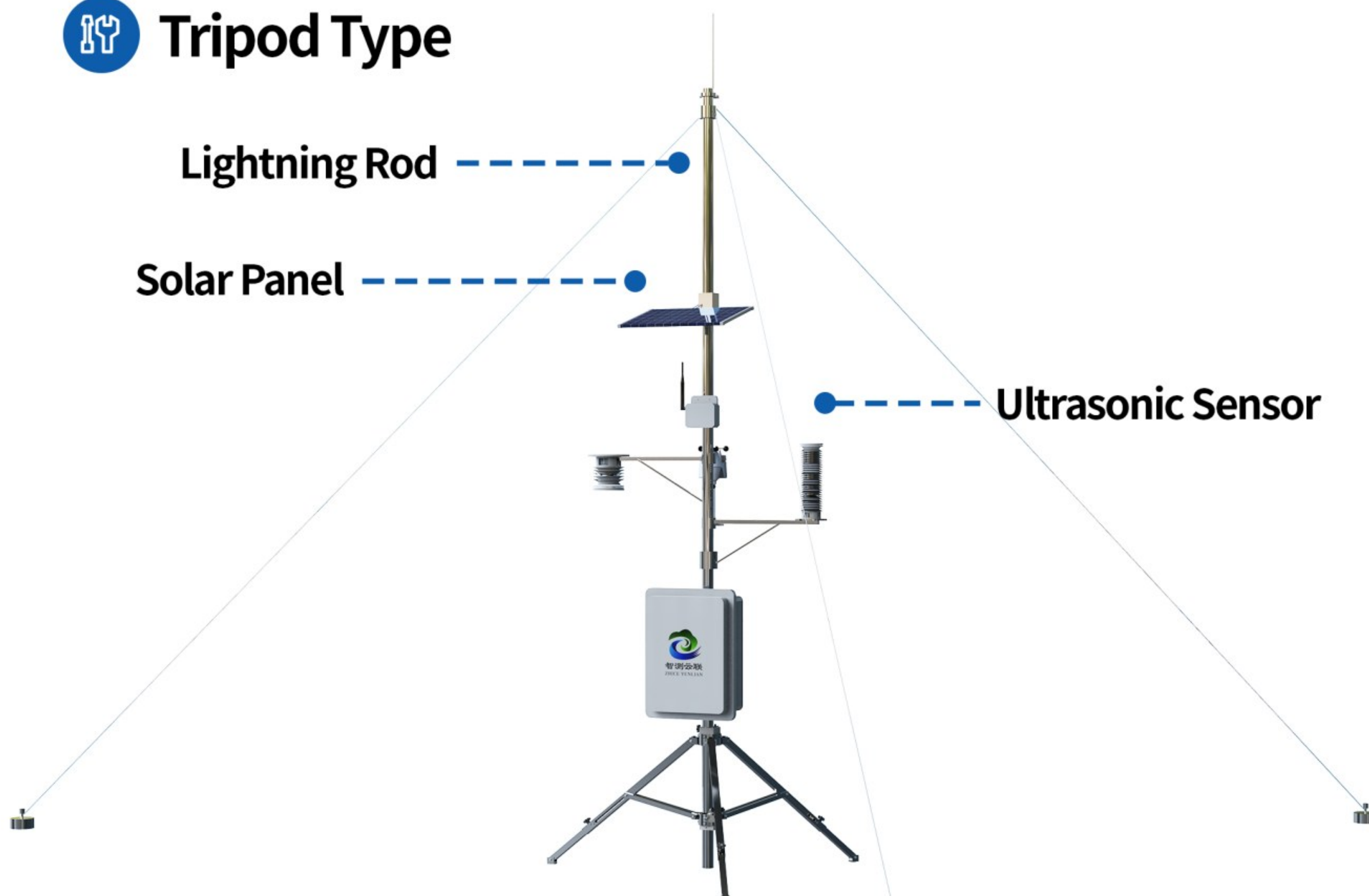
1. Ultrasonic multi-parameter meteorological sensor
2. Edge data acquisition RTU
3. Beidou / 4G dual-link transmission module
4. Solar low-power supply unit
5. IP67 extreme-environment protective enclosure
6. Cloud-edge-end collaborative management platform for smart scientific research stations



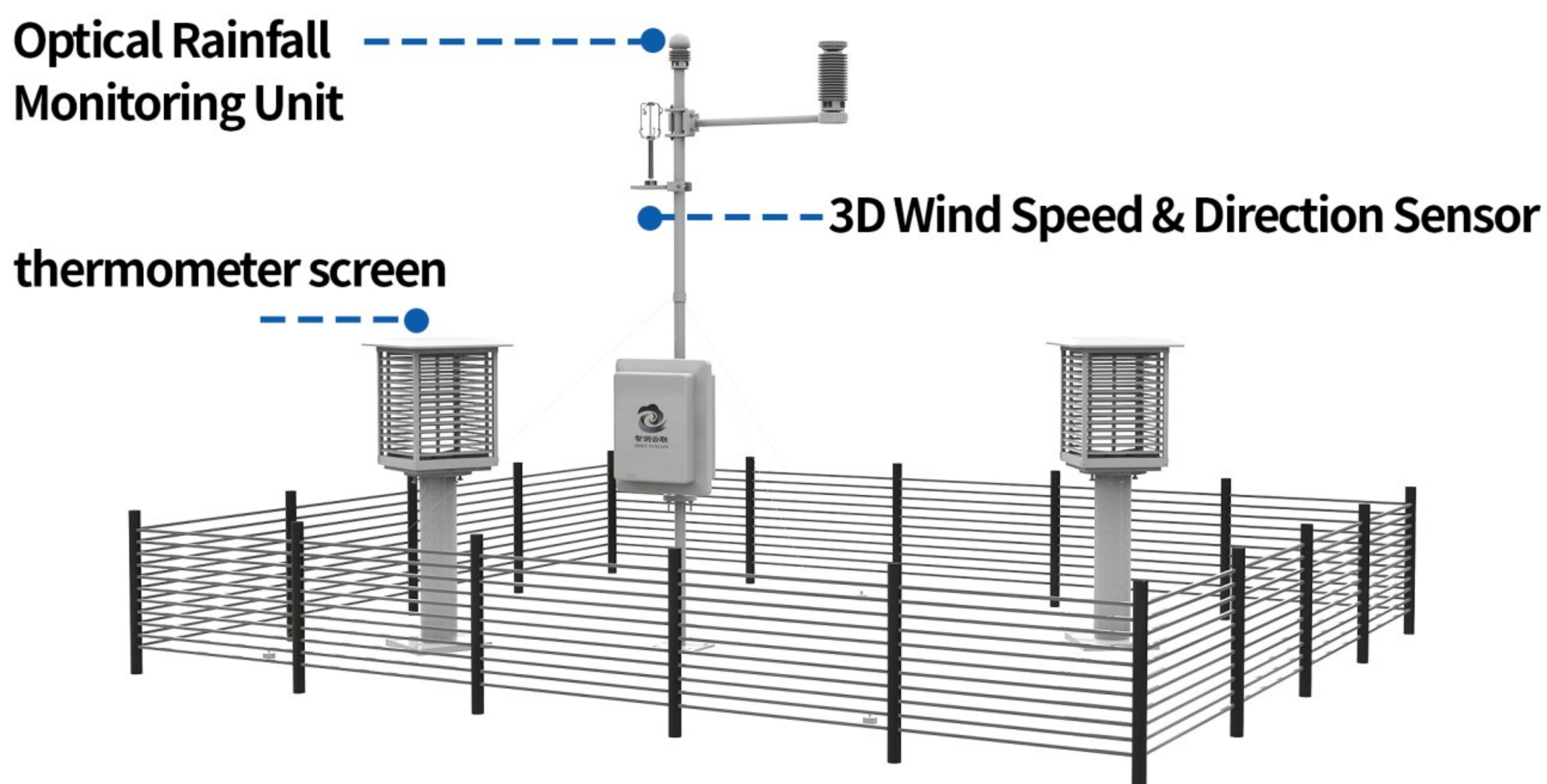
 Pole-mounted Type



Tripod Type

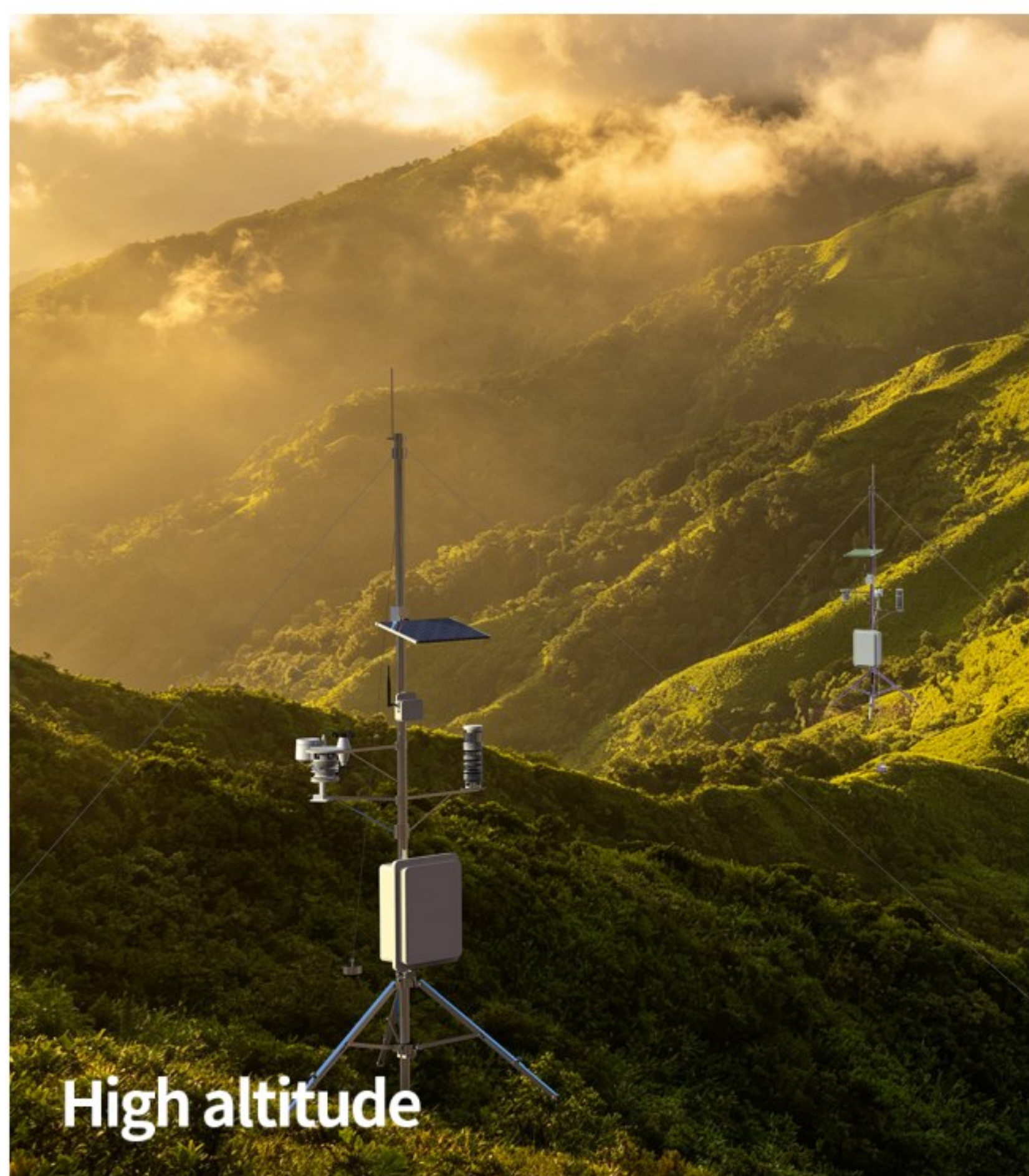


Stevenson Screen Fence Type





Environment



Case

