



Meteorological Towers

- NRC compliant meteorological towers
- NIST & A2LA certified audit and calibrations standards
- PSD compliant meteorological towers
- AERMOD-ready towers (new/upgrades)
- Temporary or permanent wind energy towers
- Sensor/telemetry/datalogger upgrades
- All major brands of meteorological sensors
- Very high data recovery (typically > 99%)
- Simple to complex datalogging systems
- Complete turn-key installations
- Customized real-time display software
- Phone modems/radio telemetry/cell phones/satellite telemetry
- Tripods to tall multi-level towers
- Single or multi-station networks

Meteorological Solutions Inc. staff has extensive experience in installing meteorological towers and related sensors. We can recommend and install an appropriate meteorological tower, from a tripod to a free-standing or guyed 10-meter tower to a tall (100 m+) tower, or we can use an existing tower.



We can provide the datalogger and telemetry package to work at any location, including remote areas, using solar panels and cellular phone or satellite communications. If you have an existing tower needing and upgraded to accommodate the required inputs for the AERMOD model, or need a new AERMOD tower, we can assist you.



Meteorological Towers

Our professionals provide the full range of meteorological monitoring services from design and setup to installations to ongoing calibrations. We install proven and reliable instrumentation and provide turn-key installations that are cost-effective and specifically designed to meet your monitoring requirements. Depending on your application MSI can install sensors that can record the following:

- Horizontal wind speed/wind direction
- 2D/3D sonic anemometers
- Vertical wind speed
- Solar/net radiation
- Relative humidity
- Precipitation
- Evaporation
- Temperature/delta-T
- Pressure
- Stability
- Soil temperature
- Snow depth

Contact Us

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Other Services:

- [Meteorological and Wind Energy Towers](#)
- [Calibrations and Audits](#)
- [Ambient Monitoring](#)
- [Tracer Studies](#)
- [Air Quality Permitting](#)
- [Dispersion Modeling](#)
- [CALPUFF Modeling](#)
- [Remote Data Management](#)
- [Weather Forecasting](#)
- [Total Storm Rainfall Estimates](#)
- [Micrometeorological Field Measurements](#)