



METER

For Security and Reliability – Count on ZENTRA Cloud

At METER, we know your data needs to be secure. Nothing can be left to chance. That's why, instead of relying on third-party providers, ZENTRA Cloud data is stored on localized servers which are monitored and maintained by METER Group to maintain the high standard of up-time and security that our clients require and deserve. Data is also duplicated on several off-site backup servers for redundancy and added reliability. Data is never removed from our servers, so there is no fear of losing valuable information, no matter how long ago it was gathered. All this information is protected with the latest in security protocols. METER actively monitors and invests in updated security protocols as they become available to keep information secure in an ever-evolving data security landscape.

Government Agencies Rely on ZENTRA Cloud

US State Government Mesonets

[Montana Mesonet](#) (Montana state), [Ag Weather Net](#) (Washington State), and [ZiaMet](#) (New Mexico State) all utilize METER's [ATMOS 41](#) all-in-one weather stations, [ZL6](#) data loggers, and [ZENTRA Cloud](#) platform to gather and store weather data statewide. All three mesonets use our [API](#) to upload information to the national weather database, which requires all data to have less than 1% of downtime over a 365-day cycle to maintain funding from [NOAA](#). This data is then used to make national and global weather models.

International Government Mesonets

The Trans-African Hydro-Meteorological Observatory ([TAHMO](#)) initiative seeks to install and operate 20,000 weather stations in sub-Saharan African. The TAHMO initiative supports World Meteorological Organization (WMO) Resolutions 40 and 25 by giving free access to raw weather data for scientific and government use. Our ZL6 data loggers and ATMOS 41 weather stations have been in place within this project for over 8 years.

To date, this initiative has installed over 500 weather stations in Cameroon, Chad, Democratic Republic of Congo, Ghana, Kenya, Mali, Nigeria, Senegal, South Africa,

and Uganda. This publicly accessible data is increasing the ability of food production across Africa. The program's data makes it possible for farmers to use historical weather data to make more informed growing decisions and is accurate enough for them to acquire crop insurance. Learn more about the project in [this case study](#).

ATMOS 41 + ZL6 + ZENTRA Cloud = Trusted Data Collection and Storage

Robust and reliable instrumentation, near-real-time data uploads, and powerful and reliable data storage and computing – that's the power of combining the ATMOS 41, ZL6, and ZENTRA Cloud.