NTi Audio AG – April Fool’s Day 2023

Rain Turbine Powers Noise Measuring Station

For unattended noise monitoring, a solar panel is often used to power the measurement station. However, if it is raining, the panel's output can be reduced by up to 90% due to the lack of sunlight, which may result in the station being underpowered. By using the groundbreaking NTi Rain Turbine, you can generate energy from rain to ensure power supply even in bad weather.

The NTi Rain Turbine attaches directly to the bottom edge of the solar panel and collects all the rain that falls on the panel. The telescopic collection gutter, which fits most solar panels, then channels the rainwater and directs it to the NTi Rain Turbine. Thanks to maximum efficiency, the Pelton Turbine wheel generates enough energy from this to ensure the power supply of the measuring station even with low rainfall. The NTi Rain Turbine is maintenance-free and can be connected directly to any NTi measurement station.

If required, NTi Audio offers further solutions for autonomous systems, e.g. for defrosting snow-covered solar panels or for capturing energy from lightning strikes.

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