

Lidar Measurement from Ge:Net GmbH



Lidar-Technology

Lidar means Light detection and ranging. Das Lidar-Device sends laser beams into the atmosphere and catches the reflection of the beams from the smallest particles in the air. Using the Doppler-effect the wind velocity is determined. Usually the measurement range goes from 40 m to 200 m. The wind velocity can be measured from 0 to 70 m/s with an accuracy of 0.1 m/s.



Lidar-Device

We use a Windcube from Leosphere type V2 with FCR (Flow complexity recognition) With a 5th vertical beam the V2 delivers very precise data even in complex terrain.



Power supply for the lidar device

The lidar device can be connected to a stationary power supply. Mostly the measurement sites are remote and an autarkic power supply is necessary. You can rely on our Lidar Trailer with power supply. The lidar device will be supplied from several different independent power sources. Additionally the trailer protects the device from theft and vandalism.



Prices

Lidar V2 with FCR – rent for three months

32,500.- EUR

Lidar Trailer – rent for three months

5,000.- EUR

(prices are net, non-binding)