



New ideas and impulses are constantly driving renewable energies forward. One of them combines electricity production and noise protection and is considered a unique project in Germany. We at Solar-Log are delighted to be part of this project.

An 887 meter long and almost 3 meter high noise barrier has been erected along the Autobahn 3 near Aschaffenburg - equipped with 600 PV modules from Solar-Log partner Solar-Fabrik (www.solar-fabrik.de). The modules, each with an output of 280 watts, were specially manufactured for this noise barrier. They are equipped with an almost glare-free special glass and were elaborately integrated into the existing noise barrier. The PV modules were installed on the side facing away from the road. A noise protection system from the company Kohlhauer from Baden-Württemberg is used. This pilot plant produces up to almost 170 kWp of power. The plant is monitored by the Solar-Log partner company Die Solar-Wächter (www.solar-waechter.de) with two Solar-Log 1200 PM+.

The project, which has been realized after many years of planning, is intended to provide insights into how photovoltaics can be sensibly integrated into noise protection equipment and how corresponding plants can be realized more quickly in the future. Thus the project can serve as a role model. According to current calculations, the residents of around 500 buildings near the freeway now suffer considerably less noise pollution thanks to the noise protection barrier. The costs of 3.5 million euros will be borne primarily by the federal government. The electricity generated here is fed into the public grid. The plant is operated by the municipal utility company Aschaffener Versorgungs-GmbH, which has signed a 20-year contract for this purpose.

In purely mathematical terms, 200 people can be supplied with this energy from the roadside for a year or 80 electric cars can be operated for a year.

**Electricity
from the
roadside**

Less noise, more clean energy: Noise barrier produces PV electricity.

