

Nachhaltigkeitswettbewerb Mobilfunk

#greenpower4tower

Award competition on sustainable mobile communications – Call for ideas

Objective:

“Who can operate a mobile communications mast using renewable energies in the most climate-neutral way, as reliably and as economically as possible?” With this question in mind, the mobile communications infrastructure company MIG organises a call for ideas and award competition on sustainable mobile communications on behalf of the Federal Ministry for Digital and Transport (BMDV), thus implementing a measure of the Federal Government’s Gigabit strategy.

The aim is to identify and test innovative local energy supply systems without local CO2 emissions for remote mobile communications sites that are particularly difficult and expensive to develop in live operations. Ideally, this energy supply completely replaces a conventional power supply for the mobile communications site by permanently and completely covering the respective needs. This would eliminate the costs and environmental impact associated with laying a power connection.

Procedure:

MIG starts the call for ideas with the publication of the award competition at www.netzda-mig.de/nachhaltigkeitswettbewerb. In a mandatory project description (template was downloaded with this document), participants are to outline their idea or solution in a concise and meaningful way. The call

for ideas and award competition runs from 19 August 2023 (date of publication of the competition) to 31 December 2023.

Generators of ideas will probably be given the opportunity to present their ideas and promote feasibility to operators of mobile communications sites and networks at a matching event. MIG will award the most promising idea with €10,000 worth of prize money and thereby support the further development of a concept ready for implementation. Depending on the number and quality of the ideas submitted, MIG reserves the right to award further ideas with special prizes. MIG will facilitate implementation of particularly suitable concepts as pilot projects.

Eligibility:

There are no restrictions on eligibility for the call for ideas. In view of the objective of the call, however, it is pointed out that only ideas, concepts and solutions with a high degree of maturity that can be implemented in live operations in the short term have a chance of winning an award and being realised.

Subject of the call:

Participants in the call for ideas can propose ideas and solutions for energy supply systems that are capable of permanently and completely covering the needs of a public mobile communications network mast in live operations, which amount to 25 KW to 40 KW. Different power generation and storage systems can be combined.

In order to ensure almost uninterrupted mobile communications coverage, power supply systems must be designed and dimensioned to ensure almost uninterrupted supply of energy (independent of e.g. weather conditions).

Only solutions that do not produce any CO2 emissions locally during operations are eligible for consideration. Primarily, solutions are considered that

completely replace the wired power supply of a mobile communications site. In exceptional cases, solutions that cover a significant part of the site's power demand can also be considered.

Only ideas, concepts and solutions that have not already been realised or are not already on the market are eligible. Approaches that differ significantly from existing solutions can be considered.

Further Information:

Information on the funding procedure in German is provided in the [Guideline on the Implementation of Mobile Communications Funding](#).

Please send an email to nachhaltigkeitswettbewerb@netzda-mig.de if you have any questions.

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