



**BÜNDNIS
ALPENKONVENTION
KÄRNTEN**

Contact: Robert Unglaub, unglaub@archi-noah.at, Tel: 04237/23007
9133 Sittersdorf, Proboj 2 [www.buendnisalpenkonvention .at](http://www.buendnisalpenkonvention.at)

Sustainable Energy Cycle

A Project of METRON Institut in Slovenia

Recension

The project "Sustainable Energy Cycle" ideally doubles the benefit of an electric energy storage for an electric vehicle by connecting it to the grid of the home of the car owner. It provides energy just when it is needed or stores sustainable produced energy like PV from the roof of the house, when the sun is shining and the production is higher than current consumption.

This innovation reduces CO2 emissions

- by increasing the degree of capacity utilisation of the batteries that have a serious carbon footprint when they had been produced and
- by increasing the percentage of the consumption of locally generated low carbon energy by storing it.

Storing renewable electric energy that can only be temporary produced also contributes to balancing the grid.

The project meets all criteria concerning the integrated approach of sustainable development as it is demanded e.g. in the Alpine Convention. And it offers a great opportunity particular in rural areas to establish a system to combine e-mobility and renewable energy that also makes economic sense.

I personally visited this project and was deeply impressed by the high practicability and functionality.

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Robert Unglaub
(Chairman of Alpine Alliance Carinthia)