



## noise barrier with integrated solar panels

### Characteristics

- Blocks sound, absorbs sound, scatters sound.
- Beautiful, comfortable, safe and functional.
- Quickly and easily installed in large numbers with a wide range of appearances.
- High solar output from south, east, west and even from orientation.
- Reduces the minimum distance from the sound source.
- Elements can be easily and quickly installed, for new noise barriers and for upgrading.
- Sound absorbing materials are placed in these units. For absorption of high tones (> 500 Hz), a thin layer of absorber can be used. To also absorb lower tones (> 125 Hz), a thicker layer can be chosen.
- The solar panel faces the sun for the highest yield. Due to the patented 'soft-concentrator' and the 'solar-trap' the solar panel yield is particularly high.
- The solar panel reflects sound to the absorber to be neutralized there.
- Unwanted reflections will in no way blind the road user.
- Decorative panels can be made with perforated material and an acoustic membrane in a color or pattern of your choice.
- The monotony in the noise barrier can easily be broken by variations in color, pattern, interposition of transparent materials and interposition of vegetation.
- Height and width of your choice.

### OUR GOAL:

noise pollution 'beautiful  
and with a profitable  
revenue model' solved



Continuous images of birds give the impression that they are flying with you.

## Where to place it?

- Along transportation routes with high noise levels, such as roads, highways, railroads.
- In industrial areas to reduce noise caused by production and manufacturing activities.
- Near sensitive locations, such as schools, hospitals, parks, residential areas.



An example of cassettes along the highway.

## What are the benefits?

- Solves the sound problem. It blocks sound, absorbs sound and scatters sound.
- Affordable through efficient and effective use of materials and is quick to install on a large scale.
- Harvests solar energy through efficient use of solar panels and is financed by the output of the solar panels.
- Produces electrical energy and accelerates energy transition and reduces dependence on energy imports.
- Beautiful, versatile, no glare to road users, safe, robust, combinable with greening and transparent materials.



2 rows of ZigZagSolar cassettes with transparent sections and vegetation in between.

MORE ABOUT US:

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