

**MD.7.**

<b>Title</b>	<b>Installation for orientation of photovoltaic panels</b>
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**Description  
EN**

The "sunflower" photovoltaic installation refers to the photovoltaic solar energy conversion installations, ie to the photovoltaic installations with self-orientation in the southern and azimuthal planes.

The technical solutions proposed in the invention allow:

- automatic realization of the orientation of the

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photovoltaic panel towards the Sun in the southern and azimuthal plane according to the natural model of the sunflower, by using relatively simple constructive innovative solutions;

- consideration of the seasonal factor through a relatively simple purely mechanical construction solution, which ensures increased conversion efficiency and low cost.

The technical result of the invention is to increase the conversion efficiency by automatically orienting the photovoltaic panel in the southern and azimuthal plane taking into account the seasonal factor according to the natural pattern of the sunflower, simplifying the construction and reducing the cost.

Class no.

2. Energy and sustainable development