

1/2 Bihar project. SOLAR cart for water pump and other

It's a cart made with galvanised sheet and mounted on two bicycle wheels. It consists of two symmetrical parts, articulated by hinges at a mollusc bivalvo mode.



Solution

It's a cart made with galvanised sheet and mounted on two bicycle wheels. It consists of two symmetrical parts, articulated by hinges at a mollusc bivalvo mode. Each of the parts or leaflets integrates a photovoltaic solar panel and also has a space to put up components, alarm, motion sensor, water pump, hose, chain, irrigation drop by drop, multi charger (of the type Ecoboxx, Yake, etc).

Solar panels are fastened with two separate structures, which are attached to the valves. At bottom of the valves is set the wheel axle. This axis is articulated in such a way that allows raising the valves and open them. In this position the valve leaflets are supported on wheels. Given that the other end of the valves relies on earth, the panels are oriented to the sun with the angle that determines the height of the wheels.

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Creative's profile



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