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Erasmus+



Solar Power

Solar power is the conversion of solar radiation into electricity.

The solar power energy system consists of solar panels which convert light energy into electricity.

Photovoltaic cells convert solar energy into electricity through a process called the photovoltaic effect.

INNOVATIVE ENERGY

'Ideas for generation electricity'

KITE GEN

LATE REVELATION OF THE CONCEPT ABOUT WIND ENERGY THROUGH THE STUDY OF THE WIND TURBINE AND THE KITE.

ABILITY TO USE AN EXISTING ENERGY SOURCE (WIND) TO GENERATE ELECTRICITY.

THE KITE IS PULLED BY WIND AND STRETCHED BY THE WIND.

THE WIND SPEED IS ESTIMATED BY THE ANEMOMETER.

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2A ITE
Sofia Mencori
Riccardo Cantarini

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Activity P13

Poster show, ways to save energy: think to renewable energy

TIDAL ENERGY

THE TURBINE IS MOVED AND QUARTERS PERIODICAL BY THE TIDES.

TIDAL CURRENTS CAUSE THE BLADES TO ROTATE AND GENERATE ELECTRICITY.

UNDERGROUND CABLES CAN BE USED TO TRANSMIT THE ELECTRICITY.

TIDAL ENERGY IS A PREDICTABLE SOURCE OF CLEAN ENERGY.

WATER LEVELS A FEW FEET OF THE OCEAN'S SURFACE ARE ENOUGH TO MOVE THE TURBINE.

BAD NEWS

IN ITALY, WE CAN EXPLOIT THE ENERGY OF THE TIDES, WHICH ARE VERY WEAK.

Wind Energy!

Kinetic energy possessed by air masses that move because they are heated by the sun.

Renewable energy, clean, instead to produce electricity. However, it requires large turbines (Wind Farms) to read significant quantities.

Good News: Wind turbines powered by a paddle like that can with the wind connected to an alternator placed inside a generator.

Bad News: Because of the vulnerability of blades being in the sea, wind farms are not built in the sea.

Thanks to blades being from the sea, they are more resistant to wind.

What a pity!