

SOLAR PARKING WITH ELECTRO STATION

ADES SL is a company founded in 1992 with the aim of designing machines to exploit renewable energy.

With its staff of 40 highly skilled people, the company is currently developing an R+D+I activity that allows, based on his numerous patents, develop and create innovative products in the renewable energy sector (pendular wind turbines, solar trackers, portable power stations...).

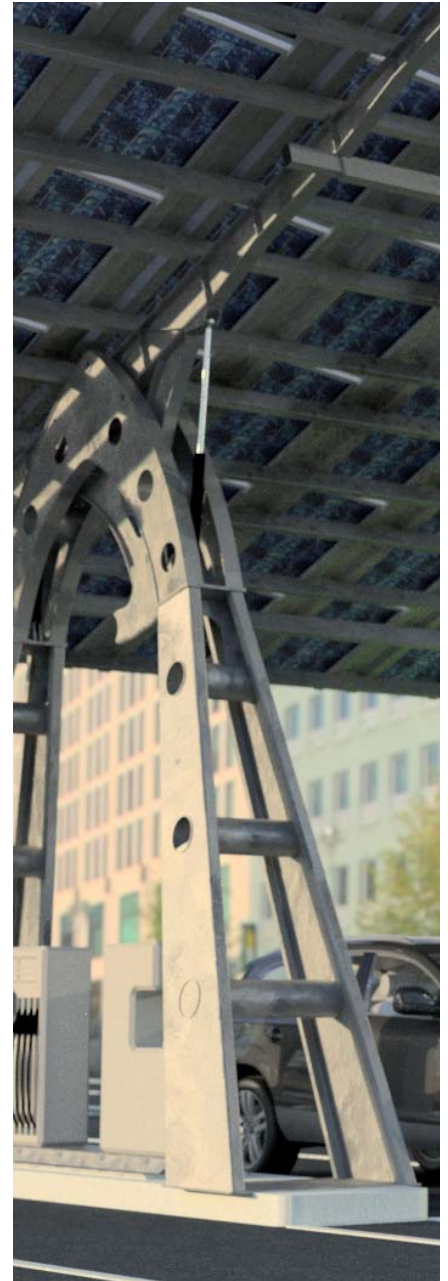
Our company is mainly based on the values of knowledge and it shows with its authorized Training Centre on Renewable Energies. Innovation and corporate philosophy are reflected in the globalization of customers and activities.

In 2004 we developed our own range of solar trackers, and since then we have established a strong leadership nationally and internationally as a leader in tracking technology. More than 150 MW with up to 4500 solar trackers support our know-how. National and international customers implement our solutions every day, because of its numerous advantages and technical differences. The list of our industrial partners and customers demonstrates confidence in our ideas.

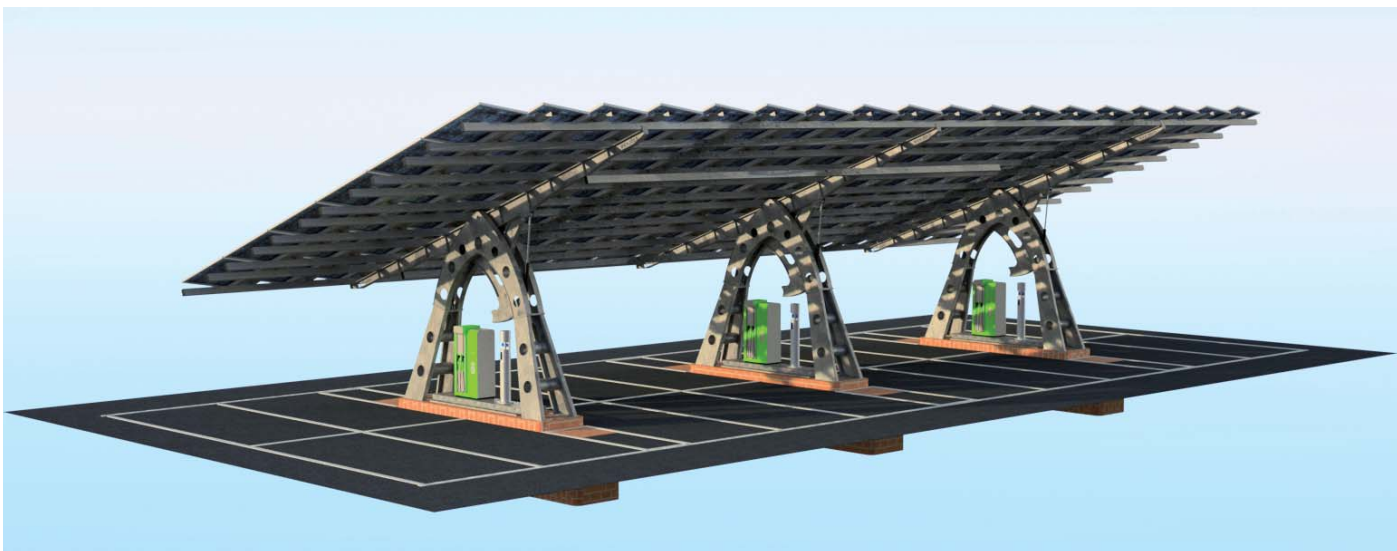
As a new solar tracker application, we present a new concept in parking that proposes maximising the use of solar power for sale to the grid and recharging electric vehicles.

It is a modular photovoltaic roof for shaded parking and electric vehicle recharging (electro station) with capacity for 16 cars and 6 motorcycles. The electro station has a capacity of 48 kW in photovoltaic panels and is equipped with single-axis solar tracking, increasing electricity production by more than 30%. Each module can contain up to three electro stations. Surplus photovoltaic energy can be sold to the grid at the maximum official price and generate high annual income, thus guaranteeing the return on the investment.

This concept provides companies with a character of innovation and environmental awareness, while attracting new customers, especially users of electric vehicles.



TECHNICAL CHARACTERISTICS



ENERGY INSTALLATIONS

Photovoltaic power*	Up to 48 kW
Increase of production by solar tracking	Over 30 %, depending on the location

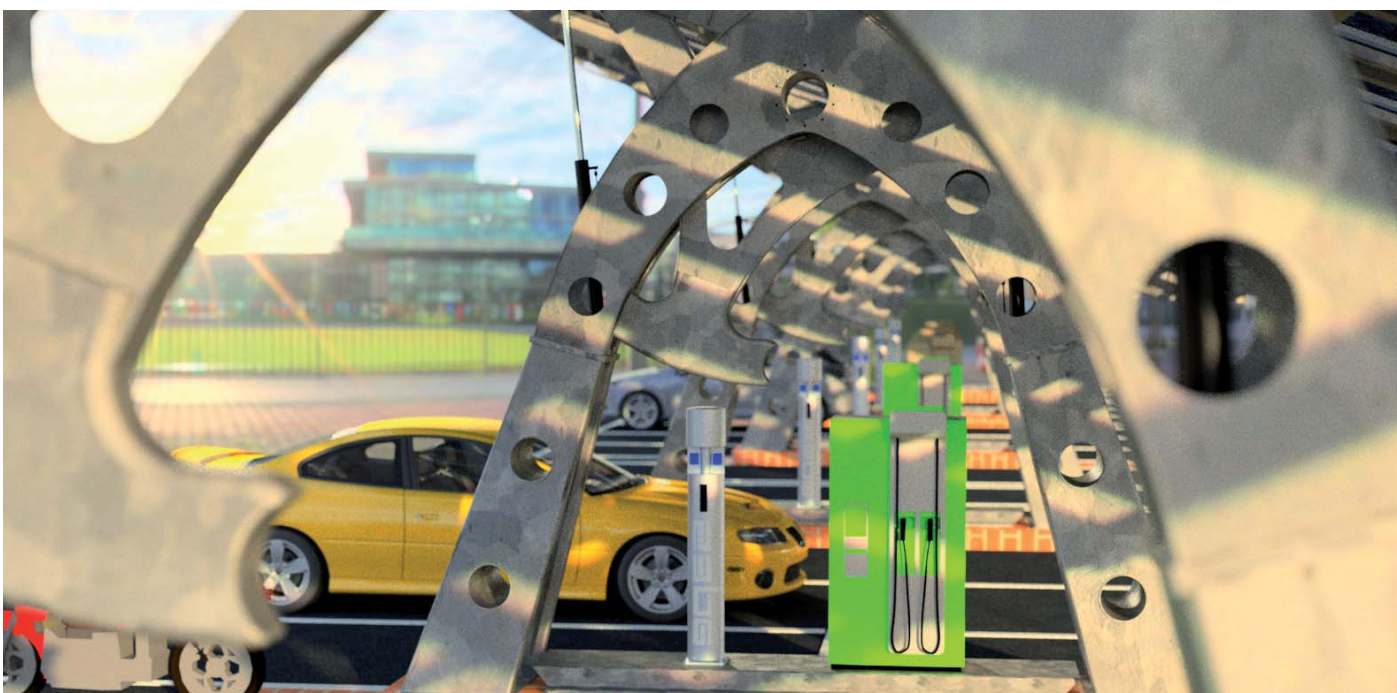
BASIC CHARACTERISTICS PER PARKING MODULE

Dimensions	10,85 x 24 m
Structure	A grid of 7 rows over 3 semi-elliptical arches
Distance between arches	8 m
Minimum height**	2,25 m
Orientation	North - South
Tracking	1-axis tracking per East - West tilting at $\pm 20^\circ$
Wind resistance	145 km/h in work position
Communications	Communications module and PLC for management
Recharge posts (optional)	3 outdoor posts of 3 kW

(*) Calculated for optimal conditions (modules with 20% efficiency at the equator).

(**) A higher module is also available for buses, trucks and so on.

All technical specifications can be modified by ADES without prior advice.



PATENT PENDING



ades

APLICACIONES DE ENERGÍAS SUSTITUTIVAS



Head offices

Polígono Malpica-Alfindén
C/ La Sabina, 13-15
50171 La Puebla de Alfindén
Zaragoza (ESPAÑA)
Tél.: +34 976 571 193
Fax: +34 876 246 024

Production and technological centre

Polígono Industrial Tarazona
C/ Galicia, Parcela 76
50500 Tarazona
Zaragoza (ESPAÑA)
Tél.: +34 976 199 662
Fax: +34 976 640 825

More information:

info@ades.tv

www.ades.tv