



European Parking Awards 2011 – Category 4

Multistorey car park “IV Novembre”

Via IV Novembre, 169 – Cesena (Italy)



Local Schools Awards
“Colora l'Energia”

Awareness of alternative energies employed by the car park

PARCHEGGI



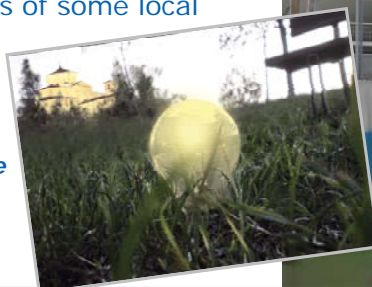
European Parking Awards 2011 – Category 4

PARCHEGGI

... the idea

The idea offered a chance to make new generations aware of the importance of energy consumption reduction, as well as of alternative energy enhancement through a contest regarding the realization of graphic images and involving 6 to 17 year-old students of some local schools.

Theme of the contest:
«The renewable energies»



“IV Novembre” Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

A technological car park powered by renewable energy

The idea of the **exchange point** consists in devising a container that may represent a functional car park developed for people's daily needs to **access the town** and may be – at the same time – an **«energy» plant** generating and managing an energy self-sufficiency by exploiting one's own technological resources and optimizing an **operational sustainability**.



“ IV Novembre” Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

1-Car park

The car park consists of a **multistorey structure** (*four storeys*) suitable for containing **326 cars** and represents an exchange point for vehicles' and pedestrians' mobility within the town which turns out to be a perfect solution for Cesena's old town centre.

The Bearing Structure is the traditional one; prefabricated with reinforced concrete with pillars' grid of 7.20 ml. and prestressed floors.



“ IV Novembre” Car Park Project

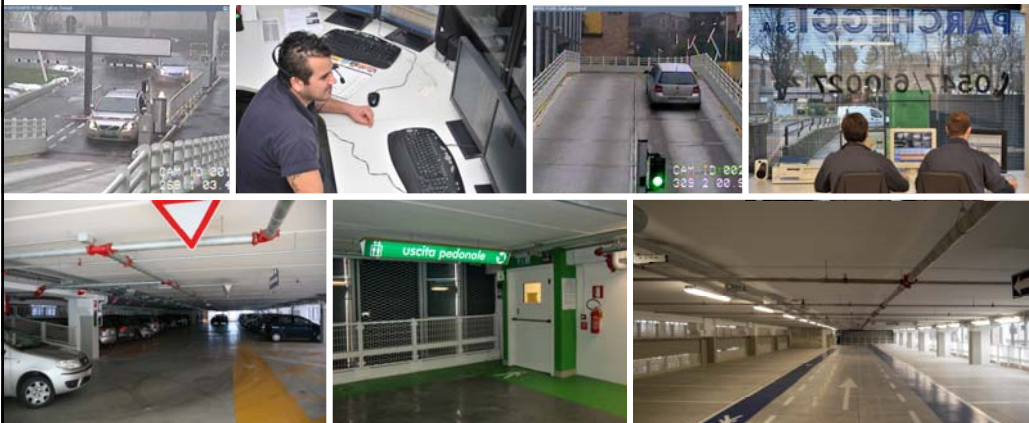
2-Automated car park

- **No cashpoint** and no cash circulation
– payment by means of «Prepaid cards»,
"Fast Pay Cards", Credit Cards.



" IV Novembre" Car Park Project

- **Remote control and management**, remote control surveillance, on time customer service, remote control intervention for alarms and emergencies.
- **Revenue management, transmission and reports.**



" IV Novembre" Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

3-Self-powered car park

- «High efficiency» photovoltaic plant installed on the car park's roof to produce enough electric energy to satisfy its own needs and to feed two heat pumps of a geothermal plant.



" IV Novembre" Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

- **Lighting system** employing low-energy consumption lamps with an operating device which optimizes consumptions according to the number of people present and to the daily lighting level of the environment.



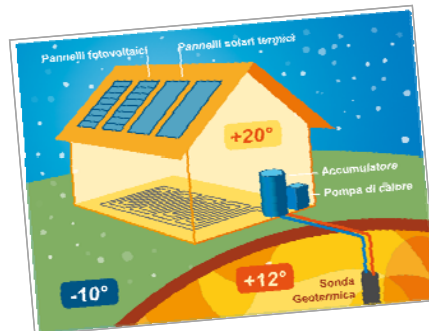
" IV Novembre" Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

- **System for the production of geothermal energy** to hand over to third parties, made up of a thermal plant consisting of two heat pumps; this pumps are connected to 40 probes (125 m deep) perfored under the car park's building print.



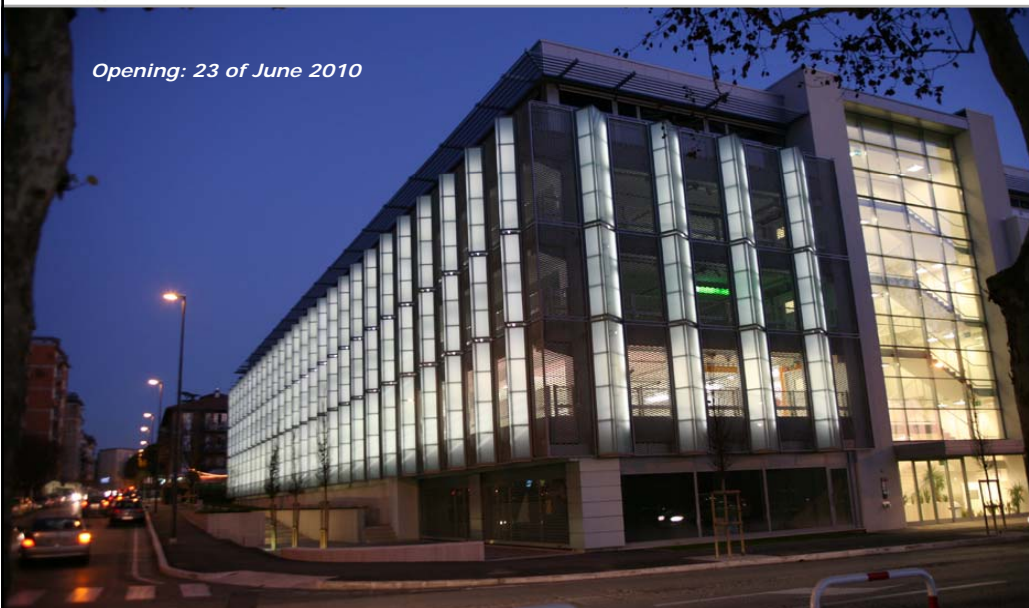
" IV Novembre" Car Park Project



European Parking Awards 2011 – Category 4

PARCHEGGI

Opening: 23 of June 2010



" IV Novembre" Car Park Project