

# Environmental Performance of Infrastructures

Cintra's environmental policy is committed, among other things, to the continual improvement, the optimization of resources, complying with the law, the implementation of certified management systems and active communication with stakeholders.

## R&D&I on road embankments

The Project EXPERTAL "Experimental basis for the ecological sustainability of toll road embankments" aims to obtain better knowledge of the plant life on the artificial road slopes. This knowledge will enable the optimization of its maintenance in a sustainable, ecological and economic way. Proper development and maintenance of the vegetation cover guarantees the embankment's stability and erosion resistance.

The embankments on Spanish roads total an area of 5,000 km<sup>2</sup> (10 times the area of Doñana nature reserve)

**Waste**  
As consequence of infrastructure maintenance activities, many different types of waste are collected. The efforts made in the separation process lead to a high rate of recycling

Reduction in electricity consumption

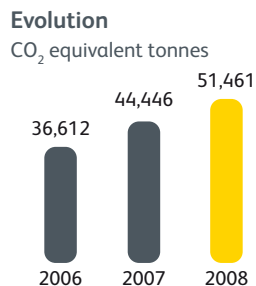
Use of solar panels in parking meters

Illustration: visual & thinking

## Emissions

In spite of the increase in the overall data as a consequence of two new concessions (Azores and Greece), the evolution of greenhouse gases emissions has been positive, since the overall emissions of the rest has been lower than last year.

It is important to highlight that the tool that calculates emissions has been updated, which has increased emissions related to electricity consumption. Despite the important reduction in the consumption of electricity, it did not result in a proportional reduction in the emissions.



## Energy consumption

The energy consumption of the main toll roads, the car parks and the central offices reached 327,809.52 GJ in 2008, meaning a reduction of 0.44 % with regard to the previous year, in spite of the inclusion in the consolidated measurements of two new toll roads and the headquarters in Santiago de Chile.

This reduction in energy consumption is due to the efforts made on the Chilean toll roads which reduced overall consumption by 18 % (more than 56,000 GJ), and on the 407-ETR which has the highest levels of energy consumption in absolute figures and which obtained a reduction of 24 % (14,000 GJ) this year.

