



PRESS RELEASE

## **ISOFOTON PARTICIPATES IN THE CONSTRUCTION OF A BIOCLIMATIC BUILDING WITH SOLAR COOLING IN ASTURIAS**

**One of the five buildings that comprise the entire Arfrisol project, developed by Ciemat in different geographic areas of Spain.**

Isofoton, Spanish leader in the area of solar technology, has participated in the construction of the Fundación Barredo's Bioclimatic Office Building with solar cooling, in the asturian locality of San Pedro de Anes.

The Fundación Barredo's Building is included in the Arfrisol project of Research, Development and Innovation (R+D) of bioclimatic architecture and solar cooling, which CIEMAT (Center for Energetic, Environmental and Technological Research) is leading, and which is comprised of research institutes, construction companies and technology companies within the field of renewable energies.

Isofoton designed and developed the project of the building's solar installation, in which the main objective focused on the search for maximum energy efficiency. This efficiency was achieved by combining different forms of high technology architectural integration and bioclimatic architectural criteria, which reduced the energy consumption considerably.

The covered balcony and greenhouse work as energy collectors in winter and as a cross ventilation system in summer. For this to work, the building has a thermal installation with large format collectors and a 4.08 kW photovoltaic façade with glass modules of multicrystal silicon cells installed on static structures. All elements are manufactured at Isofoton's production center in Málaga.

The Arfrisol project combines the design and execution of five similar buildings in five climatically different areas, such as Almería, Madrid, Soria and Asturias, combining architectonic quality and composition with criteria of environmental, energetic and economic sustainability.

### **About Isofoton**

Isofoton is the leading Spanish company in the development of technology solutions for the generation and exploitation of solar energy in its three technologies: Photovoltaics, Low-temperature solar thermal energy and High-concentration photovoltaics, and it is committed to Society and the Environment on a worldwide level.

The company is present in more than 60 countries and has 9 subsidiaries, in Italy, USA, Bolivia, Ecuador, The Dominican Republic, Algeria, Morocco, Senegal and China, consolidating furthermore its position as market leader in Spain.