

ISOFOTON S.A.



1981-2006

Prepared to adapt to growth.
Prepared to evolve.

Isofoton believes in economic and social improvement through models of sustainable growth. The current transformation of its institutions is solid proof.



5.4 SUMMARY OF EMBLEMATIC PROJECTS 2006

Carmona (Seville). Photovoltaic Power Generation Plant

This is a plant with 6 MW of power with solar tracking technology, situated on 46 hectares of land and developed by Isofoton for the CAENRE Group-Catalana Andaluza de Energías Renovables. With 225 dual-axis solar trackers, which contain 30,000 photovoltaic modules, a more than 30% increase in electricity production is reached. It could supply electricity to 2,500 homes, 40% of the locality's population. Thanks to this installation, emissions of CO₂ (carbon dioxide) and SOx (sulfur compounds) into the atmosphere will be reduced by 12, 600 tons of CO₂, and 35 tons of SOx annually. The plant has a monitoring system, through a web platform, in which the installation's clients have access to the past operations data of the photovoltaic system.



Bolivia. Rural Electrification Project

Isofoton has won the international tender to provide electricity powered by Photovoltaic Solar Energy to 17,000 homes, community centers, schools, and medical centers in 4 of Bolivia's 6 regions. The Rural Electrification project is 85% financed by the World Bank, and the other 15% is paid for by the users through tariffs and a micro-credit scheme. The payment system used is adapted to the financial capacity of the inhabitants of these underprivileged areas.



Senegal. Solar Generation Power Plants

Isofoton finished the majority of this project in 2006, contributing to the socioeconomic development of more than 80,000 people in an area declared a Cultural Heritage of Humanity by UNESCO. It consists of the electrification of 10,000 homes with 50 Wp of Solar Energy, and 4 sources of light, the installation of 9 photovoltaic hybrid plants of between 10 and 40 kWp, and a demonstrative photovoltaic application program with the installation of fifteen 300 Wp windmills. Also begun this year was the installation phase of the first plant for desalination through reverse osmosis powered with Photovoltaic Energy, carried out by Isofoton, with a production of 3 m³ of drinking water per day, which will help to reduce one of the most important problems for the inhabitants of these zones.



Spain

PHOTOVOLTAIC

OCHÁNDURI (LA RIOJA). PV generation power plant with solar tracking and roof.

BECILLA DE VALDERADUEY (VALLADOLID). PV generation power plant with solar tracking.

JAÉN. Grid-Connected system on the roof of an industrial warehouse (project carried out in collaboration with Endesa).

BARCELONA. Installation on the roof of the Tram Baix car-park (project carried out in collaboration with Endesa).

THERMAL

Getafe North Municipal Aquatic Park. Covered pool air-conditioning.

La Morenita Geriatric Center.

El Ejido Sports Complex.

Fundación Centre Splai.

Offices of Gas Natural.

Ugena Town Hall.

America

DOMINICAN REPUBLIC. Photovoltaic Solar Electrification of 10,000 homes on the Dominican border.

BOLIVIA. Decentralized Infrastructure Project for Rural Transformation (IDTR). Supply and installation of more than 17,000 systems in the Santa Cruz, Potosi, and Cochabamba provinces over a period of 3 years.

PERU UNOPS. Supply, installation, and administration of Solar Home Systems (4,632 I-50 modules) and Photovoltaic Communal Systems (schools and medical centers) in the Cajamarca, Amazon, Loreto, Ucayali, Huanuco, and Pasco departments.

ECUADOR. Supply and installation of 604 Solar Home Systems in the Esmeraldas province.

EL SALVADOR. Grid-Connection (Universidad de Jaén) of an installation in the Engineering and Architecture School-Universidad Politécnica de El Salvador.

Africa

EGYPT. Supply and installation of a power plant for Teleco; GUPCO.

ALGERIA. Supply of 1,500 Solar Home Systems (SHS) and 30 pumps for the High Commission of the Estepa.

IVORY COAST. Akwaba Foundation-Technoambiental; Photovoltaic Electrification Hospital Cataluña-Bouaké.

MALI. Electrification of the town of TINZAOUATEN.

MOZAMBIQUE. Electrification of the Chupanga (Solafa) village, medium Rural Electrification systems, pumps, and portable lighting.

MOZAMBIQUE. Rural Electrification of schools with financing from the Spanish Government FAD.

MAURITANIA. Rural Electrification of homes in various parts of the country with financing from the Spanish Government FAD.

GUINEA CONAKRY. Supply of 15 pumping systems, funding FED - EU.

MAURITANIA-PRS II. Supply, installation, and maintenance of 28 pumping systems, funding FED - EU.

BURKINA FASO-PRS II. Supply, installation, and maintenance of 163 pumping systems, funding FED - EU.

NIGERIA. Supply of 40 pumping systems for the Katsina State Ruwassa.

GAMBIA. Supply of 10 pumping systems, JICA Project Phase II.

CHAD - Broadening of pumping project with FED funding-EU: supply, installation, and maintenance of 4 new systems.

SENEGAL. Continuation of project of installation and supply of systems for 10,000 homes, three 10 kWp power stations, and 2 hybrid power stations awarded in 2004.

MOROCCO. Continuation of the PERG (Program of Global Rural Electrification). Isofoton won the tender in 2005, leading to the supply, installation, and preventive maintenance of 34,500 photovoltaic systems.

Asia

IRAN. Supply of 21 systems of Teleco.