

Partner reference _____

Schubert & Salzer Iberica

The situation _____

As well as their headquarters in Valencia, HORA representative in Spain Schubert & Salzer Iberica has branch offices in Bilbao, Barcelona, Madrid, and Seville. Their customers' areas of business are diverse, but the company concentrates on the areas of power plant equipment, engineering, and new solar energies. "Solar energy is currently the most promising sector in Spain", says Sven Podlech, PT regional sales manager for Europe. "The key is concentrated solar power, or CSP for short, which is not to be confused with the photovoltaic systems we know in Germany." This technology utilizes parabolic mirrors to concentrate solar energy, which is then used for a conventional steam circuit. Currently there is a lot being invested in this technology in Spain. Due to European law, the power plants have outputs under 50 MW.

Our services _____

HORA is able to co-operate in these CSP projects with their Flow Control and Power Technology business divisions: With oil control valves for thermal fluids and in the steam circuit. In total, FC and PT have received three orders for the 'Andasol 3' project, a solar thermal power plant in Guadix in southern Spain, which will supply power to 20,000 residents.



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Our services _____

In solar thermal power plants, the energy provided by the sun is used in a specific manner. It is comparable to the effect of concentrating the sun's rays with a magnifying glass to start a fire. In the solar field, specially-shaped and coated mirrors concentrate sunlight by 80-fold and direct it to an absorber pipe in the mirror's focal line.

This is part of a closed heat transfer medium circuit, in which special bellows valves from the Flow Control division are used. The bellows valve is used to prevent leakage at the packing gland, so that toxic oil is not released into the atmosphere. A heat exchanger in the centrally located power plant generating unit transfers the heat to a classic circuit. Electricity is then generated by a turbine. Products from the Power Technology division are used in this circuit. According to the motto: Everything from a single source - from HORA.

Our representative _____

At the 4th International Concentrated Solar Thermal Power Summit, Schubert & Salzer Iberica were chosen as the best supplier of 2010. In this category, our Spanish partners managed to prevail against Foster Wheeler/Schott Solar and Siemens.

/// It became clear during the summit that the market for thermal solar power plants will continue its course of dynamic development. Besides Spain, the Middle East and North Africa, the driving forces will be the USA, India and Australia. ///

Sven Podlech

HORA Power Technology

