

Case Study

Hotel Alpenhof in Zauchensee Saves 10.1% on Electricity Costs



MARKET REQUIREMENTS

The Hotel Alpenhof Superior in Zauchensee is a family owned hotel located within the mountains of Salzburg, Austria. The hotel has a gourmet restaurant, convenient rooms and suites, a fitness center, a sauna, a spa, a swimming pool, relaxing wellness and beauty treatments, and more. The hotel is situated near the ski lift and is therefore an ultimate place for winter-sports vacations, and, for hiking and other outdoor activities, in the summer.

Being a large facility which operates around the clock, utilizing much electrical equipment, Hotel Alpenhof incurred high electricity expenses. Furthermore, the hotel was confronted with continuous challenges resulting from the high voltage-fluctuation caused by the nearby ski lift. The unstable voltage supply caused constant burning out of light bulbs, which required the investment of much time and money for bulbs' replacement.

Hotel Alpenhof's management searched for a practical solution to lower electricity expenses and maintenance costs by reducing, optimizing and stabilizing the power level supplied to the electrical equipment and light bulbs around the facility.



10.1% average direct saving in electricity costs

Increased equipment lifetime & reduced maintenance costs by optimizing and stabilizing the input voltage

Quick & simple installation, mounted onto existing electrical infrastructure

Reduction of CO₂ emissions



SOLUTION

Hotel Alpenhof performed in-depth market research and chose **PowerSines'** advanced solution in order to achieve its energy saving and cost reduction strategy.

PowerSines Ltd.'s distributor in Austria, **Electro Schartner GmbH & Co. KG**, installed and commissioned **PowerSines ComEC VS**. Installation and activation was rapid and with minimal disruption to ongoing hotel activities and operations.



RESULTS

PowerSines' ComEC VS achieved **10.1% direct saving in electricity expenses** at Hotel Alpenhof by reducing, optimizing and stabilizing the power level supplied to the hotel.

Additionally, significant indirect savings were noted, reducing ongoing maintenance costs by extending the light bulbs and other electrical equipment's lifetime.

The hotel also achieved notable reduction of CO₂ emissions, contributing to a cleaner environment.

