

Case Study

SAVING ENERGY at STATOIL PETROL STATIONS

MARKET REQUIREMENTS

Rising petrol prices and the economic environment throughout Europe have led to a decline in fuel sales volumes at petrol stations in the last few years. To compensate weakness in fuel sales, the oil companies started focusing on reducing operation costs and provision of additional services to their customers. Nowadays, petrol stations include facilities, such as convenience stores and restaurants which work 24/7 along with car wash that consume significant amount of electricity. With continuous increase in electricity prices, petrol station operators are searching for solutions to reduce their electricity consumption.

Statoil is a good example of energy saving initiative. The 2nd largest gas supplier in Europe and the 6th biggest in the world, headquartered in Norway, Statoil has representations in over 40 countries and puts energy saving strategies high in the corporate agenda.

SOLUTION

PowerSines technology was not new to Statoil. PowerSines Lighting Energy Controllers (LEC) proved itself as a robust and reliable device with consistent saving of 20-25% on lighting in Statoil petrol stations in Latvia. However, when PowerSines rolled out its universal energy controller - **ComEC VS**, Statoil appreciated the new concept of electricity saving on an entire facility with integrated monitoring and control system, and decided to conduct a test installation. After carrying out energy audit and technical survey, the ComEC VS 80A – 160A models had been deployed in Statoil stations. The first installations were made in Lithuania. The ComEC devices were mounted in the electric distribution rooms and put in operation with minimum interruption of electricity supply. All the ComEC units have been connected to PowerSines Remote Energy Management (Remote EMS) system for analyzing the electricity consumption, diagnostics and saving figures.

After several months of monitoring the energy consumption, the company reported consistent energy **saving of 9% - 12%** on different types of fuel stations. Currently, over 20 units of **ComEC VS** 80A to 250A systems are installed in the Baltic and Scandinavian countries with scheduled deployments in more Statoil fuel stations and other territories.

The Statoil project is an additional example in successful implementation of PowerSines solutions in the petrol stations sector. PowerSines energy efficiency products are installed at Lukoil, Repsol, OMV, GazPromNeft, WOG, Sonol and others.

Consistent saving of
9% - 12% on fuel stations

Deployed in Statoil fuel
stations in Norway and the
Baltic countries

Easily installed covering all
fuel station loads and
facilities

Integrated with Remote EMS
for monitoring & control

