

Case Study

Efficient Escalator Use at the Galeria Kaufhof Mega Stores

MARKET REQUIREMENTS

Galeria Kaufhof is one of the leading department store chains in Germany. Presently part of the Canadian Hudson's Bay Group and formerly belonging to Metro Group, Galeria Kaufhof has 21,500 employees, operating 105 department stores and 17 sports shops, with more than **2 million customers** visiting the shops daily.

When running such a large retail chain, electricity is one of the significant operating expenses. The chain's management was searching for a practical solution to reduce energy consumption on its constantly operating escalators.

With stores being spread all around Germany and built along the years, there is a wide mix of escalator brands across the chain. Each shop has between 6-10 escalators, some are new and some date as far back as 1956.

SOLUTION

To address the energy saving need, **PowerSines' SinuMEC** had been considered, tested and then selected as the most suitable product to reduce energy consumption in the stores.

The **SinuMEC** installation and commissioning process in each of the stores was quick and without much disruption to the stores' operation, supported by **E. Kretzschmar** and led by **AFS**, managing the process of mounting the systems onto the diverse existing escalators infrastructure.

The project included installation of **640 units** of **SinuMEC 30A Escalators Version** in **70 stores** across Germany.

RESULTS

The SinuMEC installations achieved a significant, immediate and **ongoing saving in electricity in the range of 15 -23% on escalators** across the Galeria Kaufhof's chain.

**Consistent saving of
15% - 23% in energy use**

**Deployed 640 SinuMEC units
in 70 stores across Germany**

**Simple and seamless
installation**

