

Chloride's static switches maximise uptime at CITI's award winning data centre



Case study:

Site: Frankfurt/Main, Germany

Application: Data centre

Chloride capabilities displayed:

- Product customisation
- Secure installation

Chloride products used:

- 48 x 400A CROSS Static Transfer Switches

CITI has commissioned 48 x 400A, 4-pole Chloride CROSS Static Transfer Switches (STS) offering short-circuit withstand of 20kA to optimise power security at its award winning Frankfurt/Main Data Centre.

This new €170m data centre was named Overall Winner of the 2008 Financial Services Technology (FST) Awards, as well as winning the 'Data Centre Excellence Green Energy Efficiency award'. These awards recognise excellence and innovation in the field of information technology within the UK and European financial sector.

The CROSS STS is the heart of the data centre's power protection system. Should the supply source fail, automatically controlled thyristors can switch to a second secure busbar within milliseconds, to ensure clean uninterrupted power for the installation and maximise critical uptime. Chloride Masterguard was able to provide CITI with a tailored solution from its complete range of rack, cabinet and chassis CROSS static transfer switches available to accommodate any load and environment requirements.

CITI is a leading worldwide financial service provider represented in more than 100 countries, with brand names including Citibank, CitiFinancial, Primerica, Citi Smith Barney and Banamex. The considerable investment in the Frankfurt/Main site is part of its global 50 billion dollar climate protection program. The goal is to achieve by 2011 a 10% cut in greenhouse-gas emissions across its 14500 sites worldwide by reducing energy consumption. Outside the USA, Frankfurt/Main is the largest used data centre and one of the most environmentally friendly. It is certified as a LEED (Leadership in Energy and Environmental Design) rated installation, contributing savings of 16 000 MWh electricity per year.



Client witness testing in the Erlangen facility