

Hited improves banking efficiency at Europe's largest data centre

Hited, one of our official FG Wilson Dealers in Russia, recently completed the complex design and installation of a 21.6 MW data centre project for Sberbank, the largest bank in Russia and CIS, helping to improve efficiency of online customer services and new product introductions.

As an FG Wilson Dealer since 2000, Hited has implemented a number of solutions of varying complexity for standby power supply to Sberbank's facilities throughout Russia. However, the recent challenge of designing a major backup power supply for Sberbank's Mega Data Centre, the largest in Europe, was truly unique in both scale and level of responsibility.

Hited's skilled engineers were tasked with designing, delivering and commissioning the complex power solution within very short timeframes. The venture brought together unique energy efficient technologies, many of them implemented for the first time on such a large scale.

Sberbank's Mega Data Centre has a total area of 16,500 sq m with 5,000 sq m dedicated to Information Technology (IT). The power supply system has a combined capacity of 21.6 MW and includes:

- 12 FG Wilson P2250B1X containerized high-voltage (10.5 kVA) diesel generator sets
- Two distribution substations
- Two multi-flue chimneys
- Schneider Electric containerized loading transformer
- Mobile loading device

During simulated tests over a five-day period, results showed both superior reliability and rapid response capability with accreditations being awarded for Tier III Certification for Operational Sustainability and Tier IV Certification for Power System Sustainability from the global data centre authority, the Uptime Institute.

The data centre combines the information resources of all Sberbank's regional branches, providing efficient online support for customer service divisions. The Mega Data Centre has helped to unify maintenance of all banking processes and has significantly reduced the lead-time for introducing new products.

Sberbank also won the top award for 'Innovation in the Mega-Data Centre' category at the Datacentre Dynamics Awards 2012 for its creative, energy-saving solutions and innovation technologies.

