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## AMPS Members' News

### AVK/SEG responds quickly to Lime Street opportunity

**When British Land decided to develop their site in Lime Street London they chose AVK|SEG (UK) Ltd to provide the Standby Generation.**

**Why?** Because AVK|SEG (UK) Ltd, having achieved successful steady growth since 1989 our structure enables us to react quickly to customer requirements. We provide expertise in the design, planning and implementation of power systems projects in all major market sectors ranging from Retail, Banking & Finance and Energy through to Industrial and Petrochemical.

They chose AVK|SEG (UK) Ltd not only the Landlords 800 Kva generator but also the two 1700 kva generators for the Tenants - Willis Insurance of America.

The challenges were quite considerable because the tenants generators are situated on the 27th floor of the highest building in the City. However with the help of the Consulting Engineers and Phoenix Electrical, AVK|SEG (UK) Ltd with all their years of expertise developed an engineering solution. The generating sets had to be



stripped down to allow the craneage to the 28th floor, lowered down to the 27th floor and then reassembled. The acoustic containers likewise came to site in flat pack form and lifted to the roof for reassembly.

The Tenants generators had to be 11Kv and AVK|SEG (UK) Ltd employed their unique dead bar synchronizing system with step up transformers to 11Kv. The

dead bar system allows for very fast paralleling of the sets which is essential in providing 3.4 Mva within 15 seconds !

Because of possible fire risks the step up transformers were cast resin dry type and AVK-SEG supplied the neutral earthing resistors as part of their overall package.

The acoustic containers are fully banded and designed to reduce the noise to 70 dBA at 1 metre with both sets running. The containers have motor /gravity louvres fitted and a fire fighting system is installed in the unlikely possibility of a fire.