

# London Data Centre Packaging

## Acoustic Enclosures



# 32 Packaged Standby Generators for a 40 MW London Data Centre

When AVK secured the contract to supply 96.96 MVA of emergency standby generator systems to a new hyperscale data centre in London, they once again turned to ADE as their trusted acoustic enclosure partner.

This project supports the third building at the data centre provider's expanding London campus. Upon completion (scheduled for mid-2026), the new 40 MW facility will bring the total capacity of the campus to just over 100 MW, making it one of the largest sites in the UK. Reliability, acoustic control, and programme certainty were therefore paramount.

ADE designed and manufactured 32 bespoke acoustic enclosures, engineered to house 3030 kVA MTU emergency standby diesel generator sets. Each housing was fully mechanically fitted out at our facility with AVK's free-issue equipment, including the generators, LV switchgear, and fuel polishers, as well as ADE-manufactured lube oil tanks and other required auxiliary equipment.

To meet stringent planning requirements, the enclosures were designed to achieve a noise level of 60 dB(A) at 7 metres. Each unit incorporates motorised outlet dampers, bolt-on inlet attenuators and roof-mounted cylindrical silencers, delivering controlled airflow without compromising acoustic performance or efficiency of the generator sets themselves.

ADE also facilitated a comprehensive 12-hour factory acceptance test of a completed unit, enabling AVK's engineers to validate mechanical, electrical and acoustic performance under operational conditions. Following approval, all 32 enclosures were delivered to site in line with the construction programme, ready for installation and commissioning by AVK.

The overall result was almost 100 MVA of robust, fully integrated standby power solutions, tailored to meet the stringent demands of modern hyperscale data centre infrastructure.

### Products:

- ◆ Acoustic Enclosures

### Industry:

- ◆ Data Centres

VIEW ONLINE

