



VERTIV™

INTEGRATED UPS AND DIESEL GENERATOR OFFERING

Custom Design and Installation



Vertiv provides complete turnkey packages incorporating UPS, generator sets and related services, designed to optimise operating costs and increase infrastructure availability.

Vertiv supports critical infrastructures through comprehensive, technologically advanced UPS and generator portfolios. Our dedicated team has the qualifications, experience and know-how in designing as well as delivering integrated UPS and diesel generator systems, tailoring each project to the unique requirements of customer-specific applications.

Vertiv expertly manage everything from the design through to the installation and service requirements of each project, with the aim of meeting the highest level of operational performance, availability and total cost of ownership.

Capabilities Include:

- Designing integrated slow, medium or high speed diesel generators from 100kVA upwards; from 400V to 11kV; as single or synchronised sets, paralleled to support UPS systems up to 27 MVA.
- Delivering entire systems including bespoke mechanical and electrical installation, through highly experienced project management and installation engineering teams.
- Supporting equipment throughout its life span with market-leading remote monitoring capabilities and the largest service team in the country.
- Working with customers to design and deliver installations that meet stringent noise, vibration and emission requirements.
- Working with manufactures of engine, alternator, control and attenuation, we offer more diverse, flexible and cost effective solutions.



Integrated UPS and Generator Expertise

Project Management

Vertiv's project managers are dedicated to delivering comprehensive systems, complete with operation plans as well as the required quality, risk and method statements.

Our project managers follow and support Factory Acceptance, Site Acceptance and Integrated System testing, together with the coordination of on-site operations, ensuring that projects are delivered on-time and to specification.

System Design

Specialised in customised project architecture, Vertiv engineers design systems according to individual customer requirements, formulating comprehensive technical solutions for the highest possible performance.

Vertiv's integrated approach covers everything from the supply of single systems to the provision of multi-megawatt installations.

Installation & Commissioning

Project managers work in close coordination with on-site teams, overseeing the implementation of the project throughout the installation phase, thus providing expert support right up until final delivery.

Service

Proactive equipment maintenance reduces downtime and extends equipment life, which in turn maximises return on investment and increases system availability. Vertiv supports entire critical infrastructures with an extensive service offering, guaranteeing network availability and total peace of mind 24/7.

With over 200 service engineers and technical support staff working from service locations nationally, Vertiv has the largest dedicated service team in the UK.

Our approach to servicing critical infrastructure covers all aspects of availability and performance, from single units to entire mission critical systems.



Vertiv's service program is designed to ensure that your critical systems are maintained in an optimum state of readiness at all times.

REMOTE MONITORING FOR DIESEL GENERATORS AND UPS

LIFE™ for UPS and ENEC for Diesel Generators are remote monitoring and diagnostic systems, connected to Vertiv's permanently manned UK Service Centre 24 hours a day, 7 days a week, 365 days a year. Both systems provide powerful monitoring capabilities, maximising system availability while minimising the costs associated with downtime.

LIFE™ for UPS

LIFE™ delivers maximised system availability via real-time diagnosis and resolution of operating anomalies.

- 24-hour monitoring and service delivery by expert engineers
- Monitoring and trending of system data
- Diagnosis through expert data analysis allowing effective proactive maintenance and prevention of future anomalies
- Prompt alarm identification and resolution
- Alarm notification
- On-site corrective maintenance dispatching
- Third party equipment integration
- Customer reporting

ENEC for Diesel Generators

ENEC for Diesel Generators' provides real time energy management information for effective system operation.

- Parameters impacting start-up measured in standby include:
 - Cranking battery voltage
 - Engine block temperature
 - Fuel tank contents*
- Analysis of historical data by trained engineers for extended equipment life.

* Dependent on suitability of site following site survey



