



## GENERATOR SERVICE VISITS

A proactive maintenance, servicing, and testing regime is vital to ensure your generator sets are up to the task in the event of a power outage.

We would recommend all sites should run a generator on load test once a month and have a thorough maintenance inspection every 6 months to maximise the reliability and integrity of your standby power system.

In addition, it is highly recommended to keep offload running to a minimum to avoid wet stacking and potential mechanical damage.

Having such a robust maintenance regime can help prevent issues such as the build-up of carbon deposits, as well as ensuring the battery and all ancillary parts are healthy.

With a proven track record of maintaining thousands of generators in the field, you can rely on Riello UPS to service your essential generators.

We will agree the most convenient date and time for one of our highly trained and competent engineers to attend site so that you can plan in advance for and manage any generator downtime.

Generator maintenance contracts can also be incorporated alongside maintenance for your UPS systems to ensure all your critical infrastructure is protected.

In addition, we also offer a comprehensive range of additional generator services, including fuel polishing, sampling, load bank testing, refuelling contracts and refurbishment.

Contact our team for further information about any of these additional options.



## MINOR SERVICE VISITS - WHAT'S INCLUDED?

With a standard (Minor) generator service visit, our certified engineers will visually and physically check the generator and all of its key components.

They'll carry out a series of comprehensive electrical and mechanical tests to ensure the generator is functioning correctly, and also make sure that the installation environment and surrounding areas are safe and secure.

### Physical & Visual Inspection

- Check and if necessary adjust belts, hoses, fuel supply lines, water pumps, pulleys, and valves
- Visually check engine/alternator couplings, fuel transfer pumps, float switches, and fire valve operation
- Check radiator matrix, radiator, fuses, and mechanical gauges
- Visually check breather/crankcase and cooling airflow path
- Check all anti-vibration mountings, holding down bolts, retaining bolts, and all other fixings
- Check shutdown devices, meters, switches, indicators, wiring loom, insulation, clips, and grommets
- Check the battery, including fluid level terminals, starter motor, and battery charging alternator
- Ensure battery terminals are secure and all switches, selectors, and circuit breakers are in the correct operational positions.

### Electrical Inspection

- Check all meters, switches, indicators and fuses
- Remove and inspect the main load and alternator covers
- Visually check AVR, SCM, control electronics, changeover switch/contactors, relays, panel connections, insulation, bypass switch, circuit breakers, trips, and isolators.

### Mechanical Inspection

- Run the generator on load for at least 15 minutes
- Adjust the voltage and frequency
- Verify functionality of any remote management software
- Check operation of the fuel control solenoid and electronic governor
- Check operation of the turbo chargers and condition of the exhaust system.

### Environmental Inspection

- Check the area around the generator is uncluttered
- Ensure safety mats and warning signs are in place, and the generator house is secure
- Thoroughly clean the machine and empty drip trays
- Check for leakages.

Following the service visit, we'll also provide you with a full maintenance report including any recommended remedial actions.

## MAJOR SERVICE VISITS - ADDITIONAL PEACE OF MIND

For an even more comprehensive generator tune-up, you can also opt for a Major service visit, where you'll get everything that takes place during a standard visit along with the following:

- A change of oil filter, oil sample analysis, and oil top up
- A change of fuel filters and drainage of the sediment trap
- Clean and replace the air filter, if necessary
- Coolant top-up
- Replace and fit coolant filters.

Contact our team to discuss your range of options and to book your Generator Service Visit today!

