

## CASE STUDY

### Emergency Services Network Site for Mitie Telecoms



**NO ENVIRONMENTAL POLLUTANTS**



**NO REQUIRED SITE SERVICE VISITS**



**REDUCED FUEL COSTS BY 35%**

#### BACKGROUND

Hundreds of Telecom sites around the UK support the Emergency Services Network by delivering reliable communications to Emergency Services personnel, police and paramedics. Sites situated in rural or remote locations have no access to electricity, so they require a reliable source of primary power to run 24/7/365. Sites powered by diesel gensets can be noisy and expensive to maintain and operate. They are also sources of pollution that can harm the environment, wildlife and farms.

#### SOLUTION

Mitie Telecoms installed a Bladon Micro Turbine Genset and a fuel tank containing a kerosene/heating oil mixture to provide primary power for the ESN site. Lacking space, sufficient sun or wind to generate the required 5kW of site power, and no grid connection to fall back on, the Bladon MTG was the ideal solution. It provides continuous clean, quiet power.

#### BENEFIT

After nearly a year of service, the Bladon MTG operates with no required site service visits, no environmental pollutants, no risks of oil spillage, and no liquid coolant because the Bladon MTG uses none. Further, the Bladon MTG has cut fuel costs by 35 percent because the kerosene/heating oil mixture is less expensive than diesel fuel. In short, Bladon delivers clean, quiet power for the telecom site in a residential, clean-air zone.

#### SUMMARY

- No required site service visits
- Cut fuel costs by 35 percent (diesel fuel to kerosene/heating oil)
- No environmental pollutants
- No risk of oil spills
- No liquid coolant required
- Provides quiet, environmentally friendly operation
- Generates no complaints from neighbours

“The Emergency Services Network (ESN) by its very definition is a network that is crucial for our paramedics, and police forces to be able to communicate to their control centre no matter where they are. The Bladon MTG provides that crucial reliable primary power that is cost effective, quiet and cleaner than any regular diesel genset option.”

**Pamandip Kang, Technical Director, Mitie Telecom**

**CLEAN POWER. TODAY.**

