



MICROGRIDS FOR OFF-GRID ENERGY SUPPLY

The problem

Customers located in remote locations, such as islands or sparsely populated regions, often do not have access to a suitable grid connection for energy supply. This affects a wide range of applications from remote towns and villages, through island holiday resorts to remote mines.

The traditional solution of diesel generation is expensive. Diesel costs are high, driven by challenging transport and storage of the fuel, and with generators often running 24/7, operating and maintenance costs are also significant. With a parallel need to reduce carbon emissions, carbon-intensive diesel is becoming an increasingly unattractive option.

For some applications such as hotels or villages, the noise impact on customers and residents from generators running over night is also not insignificant.

There is a need for a clean, affordable and reliable alternative.

Our solution

Off-grid microgrid solutions, integrating local renewable generation and energy storage, can be implemented at both new and existing sites, reducing reliance on carbon-intensive diesel and providing a reliable, cost-optimised and sustainable power supply.

[#applicationofthemoth](#)



A Rolls-Royce solution