

Welfare Cabins Offer a Sustainable Option for Multi-National Technology Company



This high specification welfare cabin was designed and manufactured for a leading multi-national technology company by RS French Ltd in Faversham, Kent. The client had specified that these new welfare cabins needed to be diesel-free in order to meet their sustainability targets; meaning a traditional generator was off the cards and a suitable hybrid solution was needed to provide power for the kitchen, office, toilets and drying rooms.



Case Study

EasyGrid 5000Li Off Grid Power System

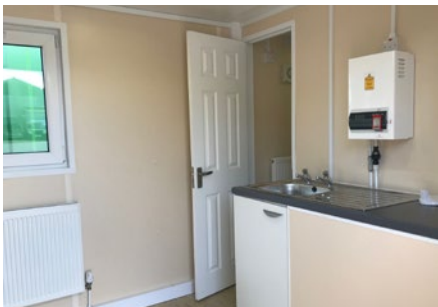




RS French approached Energy Solutions to discuss the power options they could provide and an EasyGrid 5000 Lithium system with solar and wind was specified. The trial container was then built to effectively incorporate the elements of the system, with the solar panels being mounted to the roof and the wind turbine on a pole. Within the container the EasyGrid and generator were housed in their own compartment.

Off Grid System:

- EasyGrid 5000 Lithium
- 2.4kW Solar Array with string combiner box
- AirForce 1 wind turbine
- Connected to clients existing 4kVA LPG generator



The system was put into test in the autumn and the results on site have been outstanding. The solar array and wind turbine delivered the majority of the power needed to run the amenities with the LPG backup generator only needing to run 11% of the time since installation. In the spring and summer time this will be reduced even further.

For 24/7 monitoring the system is connected online so the client can view and assess the power and loads at any time, giving them a complete window on the system.



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