



GenSuite

The renewable energy centre from High Yield Energy

GenSuite is an innovative and powerful hybrid power solution that delivers up to 16kW of renewable energy generated by photovoltaic cells and a wind turbine, within a self-contained unit.

The 40 feet high-cube container is easy to transport by road and sea, making it ideal for use in remote locations where the electricity grid supply is intermittent, limited or non-existent. Coupled with a back-up diesel generator and a battery storage system, it represents an ideal and practical solution where off-grid power is required.

Currently being manufactured in Northern Ireland, GenSuite can be modified and customised to meet individual requirements. In addition to the generation and storage options, there is substantial space within the unit that can be used for a range of purposes and can be constructed and fitted out to meet our customers' specifications. The mast supporting the turbine is raised and lowered hydraulically and can support microwave and other telecommunications antennae.

HYE
High Yield Energy



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Specifications

- ✦ 12m x 2.4m, insulated and secure building
- ✦ 3m for plant room
- ✦ 9m customer use
- ✦ 7kW peak PV system
- ✦ 10kW peak option
- ✦ Single or twin 3kW wind turbine on monopole
- ✦ Diesel generator back-up option
- ✦ Energy storage battery system
- ✦ Remote monitoring
- ✦ CCTV, security and fire alarm system options
- ✦ Main features can be customised to meet customer requirements

Features & Advantages

- ✦ Off-grid electricity generation
- ✦ Reduced fuel consumption & maintenance costs compared to conventional diesel generators
- ✦ Factory fitted and tested systems
- ✦ Rapid site installation
- ✦ Pre-fabricated building for ease of transport and deployment
- ✦ Self-supporting building without requirements for foundations or ground fixings

Applications

- ✦ Telecommunications infrastructure and housing
- ✦ Hostile territories
- ✦ Disaster-relief telecommunications, medical centres and accommodation
- ✦ Water filtration and purification systems
- ✦ Portable offices and welfare facilities
- ✦ Secure ITC facilities



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