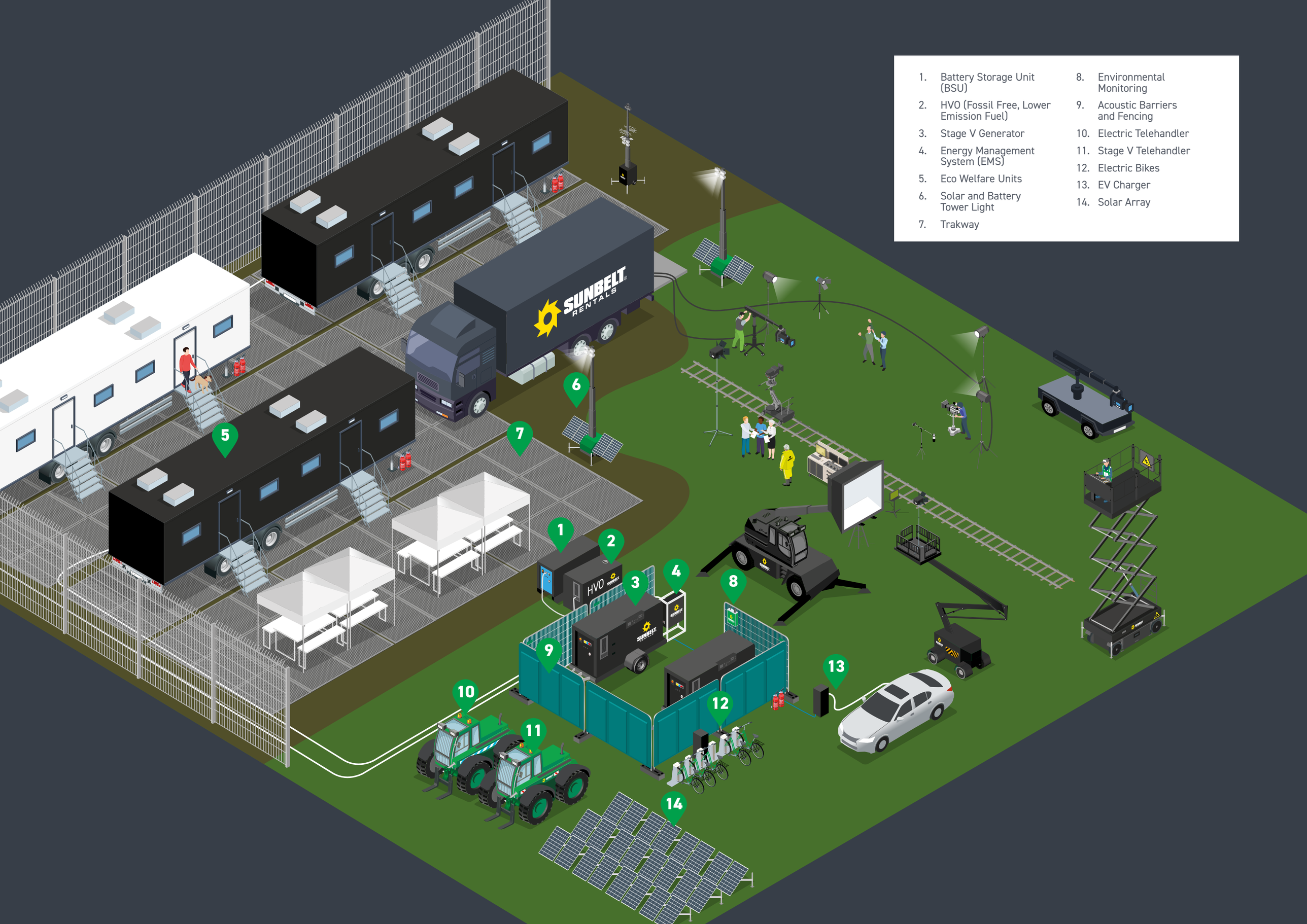
SUNBELT® RENTALS

Power Solutions

Film & TV



1. Battery Storage Unit (BSU)
2. HVO (Fossil Free, Lower Emission Fuel)
3. Stage V Generator
4. Energy Management System (EMS)
5. Eco Welfare Units
6. Solar and Battery Tower Light
7. Trakway
8. Environmental Monitoring
9. Acoustic Barriers and Fencing
10. Electric Telehandler
11. Stage V Telehandler
12. Electric Bikes
13. EV Charger
14. Solar Array

On location
In control

Wherever you are in the world, we'll keep your shoot days running smoothly.

From construction, through to live shoot days, we can provide camera, lighting, grip, plant, power, and temporary infrastructure. We're proud to support productions of all kinds, from feature films to experimental proof-of-concept shorts and everything in between.

We have a team of friendly and skilled in-house technicians, production experts and best-in-class maintenance specialists.

"Killing Jesus" bts (behind the scenes) courtesy of Andrew Cooper

Stage V & HVO Fuel

Whilst electric power isn't an option across larger plant, you can still reduce your emissions by choosing Stage V.

We offer a wide range of stage v complaint equipment including excavators, dumpers, generators, butt fusion machines and powered access equipment.

And to reduce your emissions further we can supply HVO fuel and endorse its use across our range of equipment.

HVO Fuel

HVO fuel is one of the cleanest fuels on the market. It's a second-generation, synthetic, advanced biofuel that eliminates up to 90% of net CO2 and significantly reduces nitrogen oxide (NOx), particulate matter (PM) and carbon monoxide (CO) emissions.

Our dedicated fuel team can arrange for HVO to be delivered directly to your site and it's compatible with our full range of equipment.

We've partnered with a leading HVO provider to ensure the fuel we provide is manufactured from 100% renewable and sustainable waste, all ethically sourced and derived from raw materials.

HVO is a 'drop in' fuel that can replace diesel with no changes required to the engine or operational infrastructure. It's completely bio degradable, odourless and has a 10 year shelf life.

FOR MORE INFORMATION ON HVO FUEL CONTACT OUR DEDICATED FUEL TEAM:
08081 695349
FUEL@SUNBELTRENTALS.CO.UK

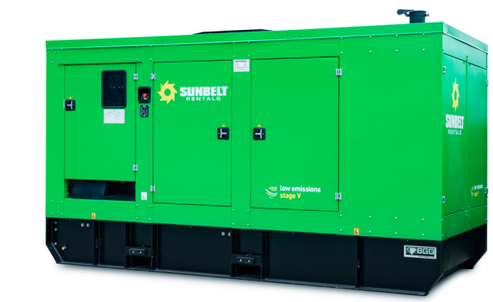
Stage V

Stage V is the latest stage of engine emission legislation designed to reduce pollution from the use of off-road engines.

At Sunbelt Rentals we've invested millions in Stage V compliant equipment from a range of leading manufacturers.

Equipment that meets the Stage V standard can help improve air quality, reduce carbon emissions and PM (by filtering out particulate matter before it reaches the exhaust) and offer greater fuel efficiency.

Our Stage V plant equipment can be used with HVO fuel to reduce emissions even further.



HVO Compatible Fleet

All our plant, lighting and generators are compatible with HVO (Hydrotreated Vegetable Oil) fuel.

HVO Emission Reduction

- Carbon reductions of up to 90% (Confirmed by ISCC - the International Sustainability and Carbon Certification Scheme)
- Reduction in NOx (Nitrogen Oxides) emissions by up to 27%
- PM (Particulate Matter) reduction by up to 84%
- Fuel consumption reductions of up to 10%

Cleaner Energy Solutions

Temporary power solutions are often one of the largest contributors to noise and carbon emissions on sites, film sets and at events.

But it doesn't have to be this way...

With our cleaner energy solutions and proven expertise, you can lower emissions, reduce fuel consumption, often reducing costs while optimising your energy, and strengthening your ESG credentials.

Through our team of experts and wide range of cleaner energy solutions the power to go greener is well and truly in your hands.

Whatever the challenge, leave the how to us.

Battery (Energy) Storage Units

zero emissions electric

Save fuel, lower emissions and enjoy silent power when you combine a battery (energy) storage unit (BSU) with a generator.

BSUs are designed to work alongside power sources such as generators (or a mains electricity supply) to create a hybrid power system.

They are ideal when 24/7 power is required with varying loads (typically higher loads during working hours and minimal loads out of working hours).

As the generator delivers power it will simultaneously charge the BSU, and when a lower load is detected (such as overnight) the generator will turn off, seamlessly transferring the load to the BSU delivering silent, fuel free, emission free power.

The two systems work together in harmony to ensure that when a higher demand is detected, the load transfers back to the main generator, allowing the battery bank to then recharge.

All savings can be tracked and monitored through the BSUs built in telemetry, enabling the user to make better informed decisions on energy usage and optimisation.

Energy Management Systems

zero emissions electric

Take control of your energy consumption and distribution on site with an energy management system (EMS).

An EMS works by controlling and reducing the energy output from appliances used in welfare cabins and temporary accommodation units. It can be programmed by our expert engineers to turn off devices when not in use (heaters, water boilers etc).

In doing so the EMS can effectively suppress peak loads which not only save fuel consumption but also enable generators to be downsized, creating further cost savings and lowering emissions.

It works silently in the background enabling sites to become more energy efficient as power consumption is regulated during times when demand is at its highest.

Through built in telemetry the EMS enables you to view advanced data and statistics via the real time dashboard, allowing you to adjust, optimise, measure and report on carbon and cost savings.

Solar Panels/Arrays

Our solar panels can be paired with other power sources (such as generators and BSUs) to help hardness renewable energy and further reduce your carbon footprint.

Solar panels can be deployed as a single unit – or arrays containing multiple panels on purpose-built frames.

Our expert team can advise the most effective set up based on your power requirements and availability of space.

Electric Vehicle Charging Solutions

We have a range of temporary charging solutions for electric vehicles and electric plant.

Whether you need to charge a single vehicle, or hundreds of electric vehicles, our team of experts will work with you to develop the most commercially viable and environmentally friendly solution to suit your needs.

zero emissions electric

Peak Power Support (Punch-Flywheel)

Downsize your generator and reduce fuel consumption when powering equipment with a dynamic load (cranes, pumps & hoists).

Peak power support systems (also known as flywheels or a punch-flybrid) will capture energy that's typically wasted when powering dynamic loads and store it in a high-speed energy 'flywheel'.

When used in conjunction with the generators (or mains power) they'll capture, store and discharge large bursts of energy needed to support the operation of tower cranes, hoists and large pumps.

This enables you to significantly downsize your generator(s), enabling them to run more efficiently, with no interruption to the power supply. The unit can also be paired with a BSU to further reduce energy consumption if overnight power is needed for minimal loads such as aviation lights (typically found on tower cranes).

Peak power support units have resulted in customers being able to halve the traditional size of generator which can equate to a 40% reduction in fuel consumption, that also lowers CO2 emissions and fuel costs. Savings and performance can be tracked through the on-board telemetry.

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