



GREENGEAR IN AFRICA

Extreme weather conditions and over-burdened power grids make power outage a more common occurrence. Whether it's summer and you find yourself in sweltering heat without air-conditioning, or you just filled the freezer after a summer of gathering garden vegetables, or you are working from home and find yourself suddenly without battery power for your devices, a generator can save the day. Or you may be shopping for

a generator that will be handy and light for camping or other recreational activities.

Power backup is one of the principal requirements for various industrial applications such as data centres, infrastructural development and commercial applications, which mandate uninterrupted power supply. Unreliable grid operations and extreme weather conditions in Africa are also compelling end-users to prefer generators

as a reliable backup solution to avoid loss of operational failure. In the African commercial, industrial, and residential sectors, many individuals and businesses own their own generators to make up for the lack of access to and supply of energy. In Kenya, 57 percent of businesses own generators, with numbers reaching 42 percent for Tanzania and 41 percent for Ethiopia (ref: mckinsey.com). With these statistics, we could not only



environmentally damaging. Even those energy sources can be hard to come by and the consequences of this underdeveloped energy infrastructure therefore include not only a loss of developmental opportunity and higher pollutants, but also a higher cost for basic needs.

According to International Energy Agency, 84 million people in Nigeria alone had no access to electricity as of 2011 and across the continent, an average of 11 million people per country had no access to electricity. Roughly 600 million people in Africa were living without access to electricity in 2011 (ref: theGlobalist.com). Thus meaning the simplest of tasks are unachievable – powering a small refrigerator or having a light at night.

This is where Greengear Global can help!

Greengear Global Ltd. Is a Cavagna group company – the world’s leading supplier of gas valves and regulators. Greengear was established in 2014 and is headquartered in Breaston, Derbyshire (UK). Thanks to technology that highlights the benefits (in terms of efficiency, cost-effectiveness and sustainability) of using LPG in a wide range of equipment and combustion engines, Greengear Global Ltd has positioned itself on the market with a strong focus on innovation and “smart” projects, as well as a continued commitment to the “green revolution”. In addition to offering business-to-business solutions, Greengear Global is also involved with professional users and end consumers. Though its marketing approaches are diverse, the company’s aim remains the same: to get the results of its engineering research on the market in the easiest and most practical way possible. Part of this commitment is the use of the industry’s best technological advances. Our goal is to allow

decrease costs for these businesses but also contribute to save the planet – with a reduction in CO2 emissions by up to 50%!

In the Sub-Saharan Africa region approximately 600 million of the 940 million

people, lack access to electricity (ref:energyclub.stanford.edu). The main source of energy for cooking and heating in Sub-Saharan Africa is still firewood, charcoal and kerosene, all which include serious health concerns and are

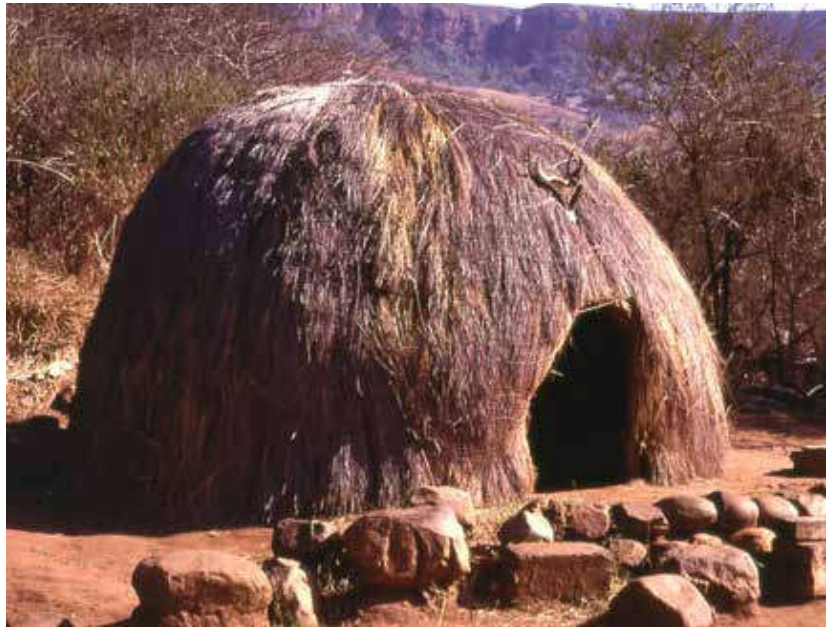
people to use tools and equipment with lower CO2 emissions, reduced engine maintenance and greater convenience – that’s why we developed ENERKIT. ENERKIT is a unique compact carburettor, enabling all engines to easily use LPG with top-notch performance. Our commitment is to promote a healthier and greener way of life. Greengear have a large range of specifically LPG designed products from lawnmowers to generators and water pumps to snow throwers!

Greengear offer a range of generators ranging from 1kW to 8.5kW providing you with power at the jobsite, at home or for recreational use.

The difference between us and other generators is that we create specifically LPG designed equipment and not a conversion of a gasoline generator. Meaning that we do not compromise on performance and reliability. All our generators are equipped with a dedicated LPG system that includes an automatic safety shut off device to ensure that when no power is needed from the engine no gas will flow. They also include a load indicator for safety protection against overloading and a low oil level warning. Another technological benefit to our generators is that there is a multifunctional display which can show the user Working Hours (So no more guessing on when you should service your generator!), Voltage and Frequency. Most of the models include wheels and a handle for easy manoeuvrability.

There are many benefits to using a Greengear LPG/ Propane powered generator over a gasoline powered generator including:

- Fuel savings – in some parts of Africa LPG can offer a significant cost saving over gasoline
- Full Performance – LPG fuelled engines retain their



performance fully and require less maintenance than traditional gasoline engines

- Increased engine life – Our generators provide less strain on the engine which creates the best conditions to prevent excessive wear and mechanical problems
- Large reduction in pollutants – with increasing pressure from the government to reduce emissions our generators do just that. No more trail or that foul-smelling smoke typical of gasoline-fuelled internal combustion engines
- Noise reduction – You not only breathe better with LPG but you also slightly reduce engine noise
- Less frequent Refuelling – LPG cylinders and cartridges need changing less often than gasoline engines need topping up
- Cleaner and Tidier – There is no filling from dirty fuel cans and drums with LPG. Changing cylinders and cartridges is quick, easy and safe

- And finally – we offer the same performance output as a gasoline generator!

Greengear has already experienced success around the globe including partnership with Calor Gas in the UK and Ireland and many other partnerships in USA, Europe and Asia! The benefits of Greengear are clear and with big potential in African markets, it is exciting for Greengear and for the LPG community to see a large growth around the globe.

For more information please visit

www.greengearglobal.com
or contact rebeccaball@greengearglobal.com

