

**Market Segment:** Mobile Emergency Generators

# POWER PROFILE

**Energy Power Systems Australia**

## BACKGROUND

Following the 2007 bush fire season, where extensive power outages caused a national scramble for mobile power generation units, Energy Power Systems Australia (EPSA) Sales Engineer, Brian Williams, set about designing a mobile energy generator – or MEG, that would have appeal to a wide range of public and private sector operators.

According to Brian, the primary objective was to achieve a mobile power generation solution that could be moved from location to location over a wide range of terrains that included rugged off-road terrain accessible only by four-wheel drive vehicles.

In addition the units had to be reliable, be able to operate in extreme heat conditions, be easy to start, be easily to operate by a range of personnel, and be able to be run for long periods of time unattended.

## REQUIREMENTS

“EPSA worked closely with a number of specialist suppliers, including a heavy duty trailer manufacturer, to take the MEG from concept to reality.

“We developed the framework for the MEG based around the need for mobility, as it would need to be moved from location to location, quickly.

“Once the scope of works was finalised EPSA set about solution engineering the ideal package based around a single phase Olympian GP14SP 14 kVA generator set, as apart from being highly reliable and ideally suited for trailer mounting they are backed by the national Caterpillar dealer network - so service support would be guaranteed throughout Australia.

“From there we built a list of unique project requirements that included a 24 hour, double walled, base fuel



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## SOLUTION

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## PRODUCT

Single phase Olympian GP14SP 14 kVA generator sets

## FURTHER INFORMATION

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[www.olympiangenerators.com.au](http://www.olympiangenerators.com.au)

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tank to meet the EPA's guidelines covering fuel contamination, a 12 volt pump to manually top up the fuel tank from a jerry can if required, dual standby batteries, outlet plugs and leads with earth leakage protection, a static battery charger, a 240 volt engine heater kit so the MEG can be plugged into mains power to keep the batteries charged and the engine warm for short notice starting.

"In addition, a heavy duty service kit was fitted to the gen-sets to enable transportation off-road – which included beefing up the engine mounts, while the provision for removable work lights was also incorporated into the trailer's design," Brian said.

## RESULT

Commenting on the MEG project, Olympian's National Business Manager, Kim Howlett, said that the MEG had exceeded all expectations.

"The MEG is a well built and well balanced unit and has delivered on every one of Brian's objectives. As far as the Olympian Gen-sets are concerned, their rugged design, field-proven reliability and fuel

efficient operation will ensure that end users have up to 14 kVA of mobile power for use wherever it's needed," Kim said.

## ABOUT OLYMPIAN

Olympian generator sets are manufactured at Caterpillar's ISO 9001 certified facility in the UK and represent a lower entry level product range that boasts CAT performance with exceptional fuel efficiency and proven performance for standby and prime power applications up to 550 kVA.

Available for use with diesel fuel, propane, or natural gas, Olympian generator sets deliver dependable, clean economical power even in the most demanding conditions and can be configured to meet the needs of any application, all backed by Caterpillar's extensive nationwide support network.

For more information on the extensive range of Olympian generator sets contact the National Business Manager, Kim Howlett, on 02 8796 9200 or visit [www.olympiangenerators.com.au](http://www.olympiangenerators.com.au)

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## Mobile Emergency Generators



## ABOUT ENERGY POWER SYSTEMS AUSTRALIA

Energy Power Systems Australia is Australia's specialised Caterpillar engine dealer, supplying Australia and Papua New Guinea with the world's finest power systems.

We provide Caterpillar engines and systems for virtually any application, from road and marine to power generators and compressors, if it's Caterpillar, then Energy Power Systems Australia is right behind it.

Through our network of offices across Australia and Papua New Guinea, our people give comprehensive engineering support and technical advice to the Caterpillar Engine community.

When it comes to powering your business, only Energy Power Systems Australia can deliver this combination of technically superior Caterpillar engines and unmatched technical and after-sales support.