



## MultiGen the difference is Water...

MultiGen takes tri-generation, the ability to generate a number of useful energy products from a single fuel source using combined heating, cooling and power technologies (CHP), to a whole new level. Until now systems have only been able produce:

- Electrical power
- Source of supplementary hot and cool air for air conditioning
- Heating and chilling of water

MultiGen now adds:

- Water production and back-up electrical power generation
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Generating energy products from a single fuel source means a very small carbon footprint to easily increase your building's star rating while significantly reducing your building's energy costs together with a back-up power supply to enable your business to operate in a black out.

For More Information Visit [www.multigen.com.au](http://www.multigen.com.au) or Contact:

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*“With electricity and water prices set to rise and the imposition of a carbon tax, "going green" will become critical to an organisation's financial success and public profile”*

For example in the office space real-estate market, the newest amenity that is rapidly becoming a necessity is a building's ability to deliver reliable power and conserve water in an energy efficient way. This may also increase the value of your building.

Our system uses up to 95% of the energy contained in the natural gas fuel burned in a MultiGen turbine into usable energy. This is done by capturing the exhaust gas heat thrown off by the turbine and operating air cooled Gas absorption chillers which operate our air water technology. The by-product of this technology is, in turn, air conditioned air. The electrical power generated through the inverter system is "clean" power and saves on all electrical components that are used to operate a building.

*“MultiGen's fully automated process is simple to install, monitored remotely and carries a 5 year warranty and service contract”*



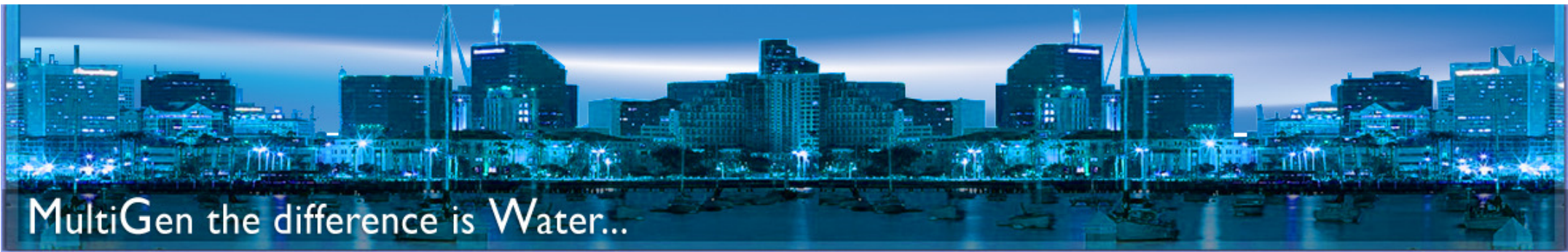
Water, Power and Air



Water Recovery, Power and Air



Water, Standby Power and Air



**Power for many key functions from a single energy source:**

- MultiGen uses exhaust gas heat as its main power source to generate water from the air, chilled and heated air as well as hot water heating
- Evaporating air can be captured from cooling towers and returned as cool clean water for reuse resulting in less maintenance
- Heating and cooling for use in lift machinery rooms or to complement existing air conditioning cooling
- Hot water heating makes an existing boiler redundant to further reduce costs

**Electricity Generated On-Site:**

- On site power generation by natural gas to reduce use of grid electricity and 'dirty' power
- Reduced reliance on grid power by having back-up on-site power generator at no additional cost for buildings core services as well as an optional service to tenants
- Reduction in cost per kilowatt hour (KWh) \$0.18 to \$0.08 in Victoria at present  
Sale of power generated in 'off peak' hours to the grid (Where available)
- Optional power optimiser is available to further reduce costs

**Reduces Greenhouse Gas Emission:**

- Future proof your business against the Emissions Trading Scheme by reducing the need to buy Renewable Energy Certificates or Carbon Credits
- Green house gas savings on tri-generation of water and cooling/heating air
- Green house gas savings on pumping water to roof
- Green house gas saving on pumping water from dam to site

**Very Reliable and Low Maintenance:**

- 4000 co-generation and tri-generation systems deployed worldwide
- Very low maintenance services - 8,000hr intervals - 80,000 major service
- Systems are scalable in multiples of 65kW & 200kW
- Small modular design allows for easy installation
- Quiet 65 dB at 10 meters
- Certified for natural gas operation together with a 5 year warranty
- Rental terms available (Conditions apply)



Gas turbines generate exhaust heat to power the absorption chillers that work with the water maker that collects moisture from the air or evaporation from an a cooling tower. Electricity made by the turbine is used by the building, feed back to the grid or for backup power. The system can also produce heated water, chilled water, cool and hot air for air conditioning



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