

AUSTRALIA'S GAME CHANGING INNOVATORS MAKE LEADING SHORTLIST - ATC SEMI FINALISTS ANNOUNCED

Key Highlights:

- 36 of Australia's leading technology companies short listed into the Australian Technologies Competition (ATC) business accelerator program
- Exceptional quality of entrants taking world leading innovation to global markets
- Semi-finalists are industry leading innovators in the sectors of energy, water, manufacturing, food, mining and smart buildings

The Australian Technologies Competition (ATC) has today shortlisted 36 of Australia's most exciting technology companies for the 2014 ATC business accelerator program. These semi-finalist companies are industry leading innovators with the capability to become game-changers in the sectors of energy, water, manufacturing, food, mining and smart buildings.

The judging panel had the difficult task of whittling this year's record 228 entries to a shortlist of 30 world leading technology companies. Due to the exceptional quality of entrants, the decision has been made to include an expanded total of 36 semi-finalists for 2014.

The semi-finalists are developing a range of incredible innovations that address the big growth opportunities and challenges of the future. Solutions for food, water and energy security and the creation of new knowledge and skills intensive industries that will forge Australia's position in global high tech markets. The 36 Semi Finalists have already jointly invested \$250m in developing their technologies.

"The quality of entries this year has been overwhelming and the judges had some pretty robust discussion in reducing the number down to only 36", explained John O'Brien, the competition organiser. "It was great to see many Semi Finalists from previous year's entering again and this is a real testament to the tangible value that the mentoring program can provide to high quality technology companies."

Now in its fourth year, the Australian Technologies Competition seeks to find, mentor and develop Australia's best technology companies that have a strong focus on improving efficiency, resource use and competitiveness for industry. The Competition has helped many of its past entrants turn good technologies into great businesses and is an initiative of the Department of Industry.

The Principal Sponsor of the Competition is Autodesk, a leading software company that strives to help people imagine, design and create a better world. In addition to offering highly subsidised access to its design software through the Autodesk Clean Tech Partner Program, the company mentors Competition



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Finalists on how they can use technology to optimise product.



For further information on how you can participate in the Australian Technologies Competition visit www.austechcomp.com

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THE 2014 ATC SEMI-FINALISTS

| Company | State | Technology |
|--|-------|---|
| Acid Solutions | QLD | Treatment of large volumes of highly contaminated water for remote mine sites. |
| Aeratron | NSW | An energy saving, noise reducing fan/turbine technology suitable for applications in IT, server cooling, medical devices, defence, and many other applications. |
| Aromatrix Australia | QLD | The biological treatment of air for removal of hazardous or odorous gases in industrial settings. |
| Baleen Filters | SA | A mechanical filter based on the natural technique used by filter-feeding Baleen Whales. |
| BioGill | NSW | Proven bioreactors providing superior biological wastewater treatment at lower cost and lower energy. |
| Calix | NSW | A step-change in kiln technology to meet the demand for CO2 emissions reductions, particularly for calcining carbonate minerals such as limestone and magnesite to oxides. |
| Carnegie Wave Energy (ASX:CWE) | WA | Named after a Greek sea goddess, the CETO Wave Energy Technology harnesses ocean waves to generate electricity and desalinated water. |
| CINTEP | QLD | CINTEP's Recycling Shower system reduces water and energy consumption from showering by 70% without reducing flow rate, temperature, or time in the shower. |
| Ecoult | NSW | UltraBattery energy storage solutions outperform competitors in longevity, cycle life, efficiency and performance. |
| Eden Energy (ASX:EDE) | WA | Creation of Carbon Nanotubes from methane for use as an additive to concrete or polymers to significantly increase compressive and flexural strength. |
| Energy Farmers Australia | WA | An on farm, waste to energy solution for poultry manure, reducing waste and creating soil enhancing by-products. |
| Global Future Solutions | QLD | Production of surfactant to manufacture a poultry house sanitiser that far exceeds the effectiveness of currently used toxic sanitisers. |
| Green Distillation Technologies | VIC | The technology, known as Destructive Distillation, breaks down the rubber in a tyre to create a 'manufactured' oil comparable to a light crude or a #2 diesel fuel. |
| GreenSync | VIC | The technology simulates energy system constraints enabling it to locate, profile and forecast upcoming problems and help network companies manage loads on the grid. |
| Hydrasyst | QLD | Kerawash™ is a water recycling technology for the commercial laundry industry reducing water use by up to 80% and energy use by up to 70%. |
| HySSIL | VIC | HySSIL is commercialising a range of lightweight geopolymers for use in housing and commercial building construction. |
| InnovEco Australia | VIC | A cost effective ion exchange technology for use in the process of copper extraction from low grade resources with an efficiency of over 90%. |
| Magellan Power | WA | A solar powered energy storage solution designed to correct power quality problems associated with the Single Wire Earth Return transmission system used in regional areas. |
| Marinova | TAS | Marinova's technology produces high quality fertiliser from brown seaweeds. |
| Microbiogen | NSW | Microbiogen's technology produces novel strains of yeast using advanced breeding techniques for use in biofuels and other markets. |
| Minnovare | WA | The Azimuth Aligner technology replaces time consuming land surveying methods for aligning a drill rig and allows positioning to be completed in 5 minutes. |
| Nano-Nouvelle | QLD | Nano-Nouvelle's Tin Nanode increases the energy density of lithium ion batteries by up to 50% compared to the current graphite technology. |
| Polymeric Powders | VIC | The technology recycles rubber tyre crumb into raw materials for the manufacture of a new engineering material – Polymeric Powders. |



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|--------------------------------------|-------|---|
| QuikCool Cooling Technologies | SA | Quickcool's product is a thermal storage system that stores cold energy using cheap off peak electricity to then provide cold energy during the day to commercial refrigeration. |
| RayGen Resources | VIC | RayGen Resources is developing Concentrated Solar Photovoltaic (CSPV) technology that may soon produce the cheapest energy in the world. |
| Regen Power | WA | A fully integrated innovative HybridGEN™ Power Pack generator with a variable speed diesel generator, solar/wind and battery pack with load management and control system. |
| Rheology Solutions | VIC | Rheology Solutions has an online process control instrument that delivers real-time data to afford better quality control for production processes in the food and mining sectors. |
| Robertson Technology | WA | The Robertson Technology provides a measurement of efficiency and fluid flow rates of motor driven devices such as pumps, blowers by thermodynamic methods. |
| Safelash | NSW | The Safelash patented lashing harnesses for containers on ships significantly cuts processing times and improves safety outcomes for workers. |
| Taggle Systems | NSW | Taggle Systems has developed a radio-based telemetry system which gathers small amounts of data from millions of devices at low cost hitherto unavailable. |
| TankPro | NSW | The TankPro Unit is a small, portable, stand-alone water sterilising unit for sterilizing diseased water in developing countries. |
| The Footprint Company | NSW | A Life Cycle Assessment platform "Plan8 iQ" which connects building designers with whole-of-life environmental information at the point of design. |
| Virtual Curtain | WA | The Virtual Curtain technology purifies mine wastewater in a rapid, more-effective way that does not require substantial infrastructure or difficult chemistry to achieve. |
| WDU Sustainability | QLD | WDU Sustainability's OSCA (On-Site Composting Apparatus) is an automated, aerobic composting technology designed for on-site management of organic waste. |
| ZEN Technologies | SA | The ZEN Freedom PowerBank is a residentially sized Energy Storage System for Utilities to maximise the value of existing grid infrastructure through "edge of grid" energy storage. |
| Zenogen | NSW | Zenogen's technology is an electro-catalyst that eliminates the need for platinum metals in industrial production, significantly reducing costs and energy use. |