

MICROPOWER

New Faces Join MicroPower Board & Technical Team

(July 29th 2010) – Hamilton, Bermuda – Energy technology specialists MicroPower Global Limited today announced the appointment of Tim Kenny and Tristan Lewinsohn to the company's board, and confirmed the recent arrival of four engineers at the company's technical base in Texas.

The two new directors were officially approved yesterday, as were existing board members, at MicroPower's first Annual General Meeting in Bermuda while the technical personnel began working for the company earlier this summer.

Tim Kenny joins the MicroPower board as a non-executive director having most recently served as president and chief executive officer of QBE the Americas prior to his retirement in September 2008. While CEO, he took the company from less than \$100 million in revenue to over \$4 billion.

Tristan Lewinsohn was also appointed to the board as Director of Business Development, having previously served as a VP to the company. He has been actively involved since 2008 and has lent his weight to key strategic and marketing initiatives.

Earlier in the summer, the company's US subsidiary also welcomed four new members to the technical team working at Texas State University in San Marcos – Dr. Guido Klap, Dr. Jerry Chen, Lenore McLaughlin, and Robert Kilbourn.

Dr. Guido Klap is responsible for thermoelectric contact development at MicroPower. He holds an MSc in Chemical Engineering, and PhD in Nano-Chemistry, and worked for Philips Semiconductor for several years.

Dr. Jerry Chen is responsible for energy diode process development. He holds an MSc and a PhD in Physics and has over 20 years of semiconductor processing development experience.

Lenore McLaughlin is responsible for thermoelectric tests, data collection, and statistical analysis, and holds an MSc in Chemical Engineering.

Robert Kilbourn has recently joined us as an Associate Scientist with an MSc in Physics at Texas State, with responsibility for ingot and wafer processing as well as test equipment prototyping.

About MicroPower's technology

A MicroPower Chip (a new semiconductor device) has the potential to efficiently and cost-effectively convert heat directly into electricity, leading to significant energy savings. This is a clean, green technology which will save energy, reduce harmful emissions, and lead to the availability of substantial carbon credits.

The MicroPower Chip is a new solid-state semiconductor without moving parts. It has two operational modes, (i) the Power Mode which converts heat directly into electricity, and (ii) the Cooling Mode which converts electricity directly into refrigeration/cooling. The science behind this combines the best thermoelectric and thermionic principles to deliver breakthrough efficiencies. The key performance characteristics are:

- *Energy and power conversion three to four times more efficient than current alternatives;*
- *Reduced size and weight creates scalability to tackle multiple markets from very small to very large applications, without losing efficiency or cost-effectiveness;*
- *Semiconductor design allows for efficient modular manufacturing for long life, low maintenance and lower production costs.*

The technology already has widespread patent protection (47 patents issued or filed in the US and internationally) and the resulting increased efficiencies have been independently validated by recognized sources, including the US National Institute of Standards and Technology (NIST). Indeed, there is an entire chapter dedicated to the technology in the Thermoelectrics Handbook, an industry recognized guide to the latest developments in this area.

For further information, visit our website at www.micropower-global.com

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