



bluebox
innovations for the **real** world

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Shade tolerant solar cells

Technology

Queensland University of Technology (QUT) researchers have developed novel solar cell array components which, when subjected to partial shading, may be capable of generating the same level of power output as if the solar cell array was uniformly illuminated.

A technology that reduces power loss from shading such as this has many potential applications, ranging from increasing the efficiency of new generation solar cells to shade-proofing traditional silicon-based solar cells.

Market

This is a platform technology in the area of shade tolerant solar cells. Some application areas where the array may prove valuable include:

- Solar cells for residential roof tops that are subject to shading from trees and other barriers;
- Solar cells for the external facades of closely positioned commercial buildings; and
- Solar cells for mobile units that are subject to transient shading.

Business Opportunity

An opportunity exists for industry players to partner with **bluebox** to take this promising technology from the laboratory and into the real world. Industry partners may wish to utilise the scientific expertise that exists at QUT to optimise the technology for their specific requirements.

Contact

The technologies team at **bluebox**, the technology transfer and commercialisation company for QUT, consists of experienced professionals with industry-relevant technical backgrounds and a broad range of skills in management, legal, patent and financing areas.

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