



UNSW
SYDNEY



Screen-Printed Solar Cell Fabrication

The fabrication of full industrial-size screen-printed solar cells, from raw silicon wafers through to working devices with screen-printed metal contacts, and encapsulated photovoltaic modules.

Competitive advantage

- Full end-to-end fabrication of screen-printed solar cells
- State-of-the-art characterisation facilities for industrial solar cells
- Decades of expertise in silicon solar cell fabrication and characterisation

Impact

- Reducing light- and temperature-induced degradation increases the performance of industrial screen-printed solar cells

Successful applications

- Commercialisation of advanced hydrogenation processes for eliminating light-induced degradation and light- and elevated temperature-induced degradation in silicon solar cells

Capabilities and facilities

- Complete screen-printed solar cell fabrication in the Solar Industrial Research Facility

Our partners

- LONGi
- Suntech
- Canadian Solar
- SAS Sunrise
- LG Electronics
- China Sunergy
- CEC Energy
- Phono Solar
- Tongwei
- Nanjing Sunport
- Tianwei
- Jinko
- Meyer Burger
- Schmid
- DR Laser
- Asia Neo Tech
- Ke Long Wei

More Information

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