



UNSW
SYDNEY

Provide the cheapest, most abundant source of baseload power for cascaded heat use and direct heat applications are scalable and can provide clean power for industrial and domestic applications.

Competitive advantage

- International expertise in geothermal energy
- Experience in coordinating geothermal initiatives in Germany, New Zealand and Australia
- Providing innovative solutions for cascaded heat use and direct heat applications
- Enhanced geothermal stimulation strategies for high temperatures
- Novel drilling technologies for hard basement rocks
- Patented technology in desalination, advanced geothermal cooling technology and low temperature geothermal refrigeration

Impact

- Cheap and abundant baseload power

Successful outcomes

- Implementation of novel groundwater heat rejection concept for cooling a supercomputer
- Innovative geothermal solutions for developing countries
- Lithium co-production from geothermal brines

Capabilities and facilities

- Advanced rock characterisation laboratory
- High temperature/high pressure triaxial geomechanics testing facilities
- Thermal infrared laboratory

Our partners

- Green Rock Energy Limited
- Geodynamics Limited

More Information

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