ovide the cheapest, nt source of baseload s 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

Professor Klaus Regenauer-Lieb

Minerals and Energy Resources Engineering

T: +61 (0) 2 9385 8005
E: klaus@unsw.edu.au

UNSW Knowledge Exchange

knowledge.exchange@unsw.edu.au

www.capabilities.unsw.edu.au

+61 (2) 9385 5008