

RESTECH

ResTech, a collaboration between Ampcontrol and the University of Newcastle (UoN), provides innovative product development solutions in electrical and electronic engineering by offering customers unique access to experienced research and development personnel. ResTech is focused on delivering innovative engineering solutions for the energy and resources sector. With a strong emphasis on safety, sustainability, and performance, ResTech develops technologies for the mining, resources and energy sectors.

PARTNERSHIP CAPABILITIES

- **End-to-end product development:** ResTech offers a full pipeline—from concept and proof-of-concept prototyping through pilot builds and pre-commercialisation—across multiple engineering disciplines (electrical, electronic, signal, control, telecommunications, software/firmware)
- **Accredited research services:** As an ISO 9001:2015-certified Research Service Provider (RSP 41278), ResTech delivers commercially viable solutions backed by robust quality management and intellectual property expertise. Expert Consultation: Technology Demonstration: Field testing and validation of new technologies
- **Access to multidisciplinary R&D personnel:** With a team of ~30+ professionals—including 24 specialist R&D engineers—the organisation brings depth in power systems, electronics, design, and hardware to collaborative projects.

PROVEN IMPACT

- **Improved Safety:** ResTech have developed and designed a number of electrical protection relays for the resources sector and is a trusted electrical engineering consultant for the underground mining industry.
- **Sustainable Solutions:** ResTech is helping to pave the way with innovative electrical solutions for the WA mining industry, which is on its decarbonisation journey. ResTech has also helped design standalone power systems to replace traditional fossil-fuel-intensive remote power applications.

TRANSFORMING UNDERGROUND MINING WITH ISLEDM

ResTech's ISLEDm lighting system revolutionised underground mining by providing a safer, brighter, and more efficient machine lighting package. The system's modular design and ease of installation have led to widespread adoption, significantly improving working conditions and operational efficiency in mines across Australia.



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