

AR/VR Applications

Technology snapshot – QCAT Remote Management Centre

ENERGY www.csiro.au

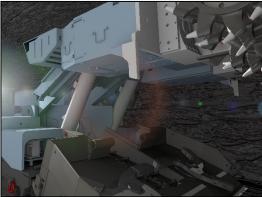


Remote Management Centre

- Advanced UX for operations, supervision, collaboration and tele-assistance
- Addressing a key challenge for automation and robotics: Trusted operation at a distance
- Mixed, virtual and augmented reality solutions for industry
- Interactive 3D data integration and visualisation for enhanced human-computer interaction







Advanced User Interaction Interfaces

- Leading industrial applications in CSIRO of advanced natural interfaces to enable integrated systems operations
- Applying emerging Augmented Reality (AR) and Virtual Reality (VR) interfaces to benefit design, deployment and maintenance in industrial applications
- Developing custom human-centric interfaces to support enhanced performance in remote supervision, collaboration and teleassistance
- Utilising interactive 3D data capture, integration and visualisation for enhanced human-computer interaction

Advanced User Interfaces

Innovative heads-up solution providing assistive interactive support in fixed and mobile applications

Development of custom visualisation systems for enhanced natural human-interaction







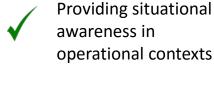
- Commercialised ARsolution based on Guardian Mentor technology
- Operates in remote, hazardous or rugged environments
- Advanced telecollaboration and tele-assistance for longwall operations

Advanced User Interfaces

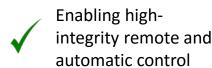
Dynamic environment capture, fusion and display technologies in industrial and complex environments

Addressing key challenges in automation and robotics to ensure trusted operations at a distance



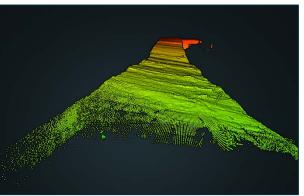






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