

Summary of Linkage Infrastructure, Equipment and Facilities Proposals

Queensland

Queensland University of Technology

LE0883074 Prof A Ghosh; Prof GF Ledwich; Prof TK Saha; Prof PJ Wolfs; A/Prof ZY Dong; A/Prof PJ O'Shea; Dr N Hossein Zadeh; Dr GR Walker; Dr F Zare; Dr R Majumder

Approved Project Title **Distributed Generation Evaluation Facility and Power Control**

2008 : \$ 600,000

Primary RFCD 2909 ELECTRICAL AND ELECTRONIC ENGINEERING

Partner Organisations & Collaborating Organisations

Queensland University of Technology
The University of Queensland
Central Queensland University

Administering Organisation Queensland University of Technology

Project Summary

The development and demonstration of Distributed Energy Resource solutions will assist the deployment of greenhouse gas reduction strategies and of reliability improvements with particular benefits for rural and remote electricity supply. Small generation units can be the best solution for some reliability and voltage support issues in rural/remote networks. The research will show how these can be operated and the benefits achievable for sources including renewables in a manner that is accessible to communities and with a rigorous set of test scenarios that will satisfy concerns from utilities. The flexible system nature is the significant development previously unavailable to researchers/developers.

LE0882942 A/Prof A Rakotonirainy; Prof GA Jull; Prof AN Pettitt; Prof JM Wood; Prof MC Sheehan; Prof NL Haworth; A/Prof JD Davey; Em/Prof RJ Troutbeck; Dr JM Treleaven; Dr MJ King

Approved Project Title **Advanced Driving Simulator for Injury Prevention Research**

2008 : \$ 350,000

Primary RFCD 3504 TRANSPORTATION

Partner Organisations & Collaborating Organisations

Queensland University of Technology
The University of Queensland
Motor Accident Insurance Commission MAIC
RACQ -The Royal Automobile Club of Queensland
Queensland Transport (QT)
Queensland Department of Main Roads

Administering Organisation Queensland University of Technology

Project Summary

Tragically road crashes are still the major cause of traumatic death and injury in Australia with an economic and social burden estimated at over \$17 billion per year. This internationally recognised research team proposes to use a world leading advanced driving simulator for experimental studies to reduce the carnage and loss on Australian roads. It is vital that Australian researchers are granted access to the highest possible standard of driving simulator technology to facilitate state-of-the-art research that could not otherwise be undertaken on open road settings due to ethical and safety reasons and cost limitations. This advanced driving simulator will support regulations regarding automotive safety.