

# National Road Safety Action Grants Program—list of Technology and Innovation projects

Please note that details on this list will be finalised upon execution of all Grant Agreements.

**February 2025**

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| **Organisation** | **Project Name** | **Total Grant Funds** |
| The George Institute for Global Health | Are there age- and sex- differences in how Australian drivers interact with advanced vehicle safety systems that need to be considered in the assessment and design of these technologies? | $231,679 |
| Acusensus Australia Pty Ltd | Advancing Tailgating Safety: Acusensus innovative sensor technology to detect, assess and report on dangerous tailgating behaviours | $165,212 |
| Queensland University of Technology | Understanding fatigue in the operation of conditionally Automated Vehicles and an evaluation of HMI solutions for safe operation | $303,646 |
| Swinburne University of Technology | Sustainable and cost-effective safety roller barriers using recycled tyres and design optimisation | $580,076 |
| University of New South Wales | VRStreetLab: Evaluating Smart Cycling Infrastructures through Community Participation in a Virtual Reality (VR) Street Simulator. | $233,965 |
| Queensland University of Technology | Keeping track of disappearing vehicles: Understanding the challenge of new technologies and emerging micromobility | $309,153 |
| The University of Adelaide | Improving motorcyclist safety on curves using a perceptual approach | $683,679 |
| Queensland University of Technology | Enhancing Road Safety: Developing and Testing VRU Activated Monitoring and Alert System | $601,780 |
| University of Technology Sydney | Reducing Trauma and Improving Safety on Rural and Regional Roads: Sustainable Road Sealing Innovation towards Net Zero | $443,337 |
| University of Canberra | Assistive Technologies for Young People Safety on Two-Wheelers | $621,833 |
| Curtin University | AI Assisted Design of Sustainable Road Barrier for Improved Road Safety | $641,436 |
| Monash University | Human-factors considerations for successful implementation of automated vehicles in high risk drivers | $188,674 |
| Swinburne University of Technology | Airbag Helmet for Cyclists & Personal Mobility Device Riders – Design, Development, Testing & Performance Evaluation | $386,518 |
| Monash University | Smart vehicles: Supporting the safe mobility of drivers with dementia through innovative in-vehicle monitoring/driver assist systems | $528,197 |
| The Cairnmillar Institute | Balancing Present and Future: Assessing Drivers' Perspectives on Current In-Car Glucose Monitoring Devices and Their Aspirations for Tomorrow's Innovations | $106,527 |
| Queensland University of Technology | Smart Intersection control for enhanced road safety of vulnerable pedestrians | $443,981 |