

Transurban Innovation Grants

FY17 Information Pack



Program Outline

At Transurban we are committed to investing in innovative projects that address industry challenges related to infrastructure and sustainable transport.

Through our Innovation Grants program we offer grants of up to \$100,000 to universities and research organisations to fund projects that provide better outcomes for communities, the environment and our business.

For more information visit www.transurban.com/sustainability

PROCESS

Applications can be made via our grant portal:

<http://transurban.smartygrants.com.au/>

Initial applications require a project outline. Subsequent rounds requiring detailed project proposals prior to the award of funding. Applications close 30 January 2017.

ELIGIBILITY

To be an eligible application, grant applicants must be from educational, research, scientific or not-for-profit organisations based in Australia and/or the USA.

ASSESSMENT CRITERIA

Initial applications will be reviewed against the following criteria:

Must address a genuine sustainable transport challenge	The proposed project should clearly target an area of current or emerging need for sustainable transport solutions, road or otherwise
Must be innovative	The proposed project should not be 'business as usual' but instead should demonstrate innovation
Should generate value for Transurban customers	The proposed project should deliver tangible benefit (direct or indirect) to Transurban road users
Should be actionable	The proposed project should have a clear path to implementation, including prototypes or research that validates a concept or a technology plan or business case study that demonstrates whether a concept is commercially viable

The following will also be considered when determining the suitability of project funding:

- projects that can demonstrate a tangible benefit (direct or indirect) to Transurban or road users
- preference to funding of new projects; however, funding to continue existing projects will be considered
- Transurban will consider projects in all stages of lifecycle – research, development or implementation

FY17 Grant Focus Areas

We are interested in a broad range of research proposals. The following Focus Areas have been developed for FY17 as a guide only.

Theme	Focus Area	Desirable Outcomes
Connected Cities	Hardware or software application of detection and sensing technology to enhance motorway management	Enhanced vehicle location detection without tags or roadside equipment
		Enhanced vehicle, registration and passenger detection and classification
		Remote vehicle analytics enabling detection of 'at-stress' vehicles and preventative management response
	Optimised network utilisation	Traffic and safety monitoring by aerial drones or other monitoring systems
	Predictive or intelligent roadside management systems	Understand and influence driver behaviour to improve travel times and reduce congestion
		Rapid detection, investigation and clearance of broken-down vehicles
Rapid/autonomous event detection and investigation to inform rapid response		
Advanced systems for rapid clearance and support of broken-down vehicles		
Future Infrastructure	Infrastructure design and operational innovations needed to meet the needs of changing vehicle fleet technology	Predictive algorithms using vehicle information to optimise ventilation system operation
		Asset enhancement and optimisation for connected and autonomous vehicle deployment
		Developments to enhance the usability of electric vehicles and promote uptake
	Materials and processes for the sustainable construction and maintenance of long-life road infrastructure	Advanced motorway and vehicle management in a connected world, two-way vehicle and asset communication
		Asphalt and other long-life road surface materials and re-surfacing processes
		Renewal, recycling and end-of-life opportunities for road infrastructure
Adaptive use of road infrastructure beyond transport	Groundwater corrosion protection and emissions management	
Engaged Customers	Communication methods to encourage safer driving	Alternative utilisation of infrastructure assets to create social, environmental and/or economic outcomes which do not diminish from the utility of its primary role in any way
		Alternative design and execution of traffic management systems such as variable speed limits, lane design, signage, lighting, on-road messaging, radio and other audio cues
		Safe and non-distracting ways of communicating with road users (beyond VMS and physical signage) during standard operation and in emergencies
		Honing customer behaviour for collision avoidance at exit points
	Analysing and understanding customer behaviours and risk factors to enhance road safety	Linking frequent users of the motorways with planned work messaging
		Understanding the link between behaviours and risk factors to pre-empt and mitigate risk

For more information contact:
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