

# 3D CANBERRA



**ACT**  
Government

Environment, Planning and  
Sustainable Development

## A NEW PERSPECTIVE FOR NORTHBOURNE AVENUE

The ACT Government has created a 3D planning tool for the Northbourne Avenue precinct with help from Australian company, Urban Circus Pty Ltd.

- ACT Government Directorates (Environment, Planning and Sustainable Development Directorate and Land Development Agency) have partnered for the production of this innovative planning tool.
- Through this tool, planners and designers will now be able to experiment and explore the impacts and opportunities of planning decisions including building heights, setbacks and plot ratios, and will gain a first person perspective of how proposed developments will transform the streetscape and the city.
- The cutting edge technology will facilitate good planning outcomes by allowing 'on-the-fly' 3D testing and visualisation of different planning scenarios; for example how buildings fit into the streetscape, how the shadows change throughout the day, and how traffic and transport integrates into the wider environment.
- The 3D planning tool is based on state of the art 3D laser scanning technology (LiDAR) that measures distance by illuminating a target with a laser light.
- This first phase of the planning tool will support upcoming projects such as the City and Gateway Urban Renewal Strategy. Future phases will include other areas of Canberra.
- The aim is to eventually make the planning tool available, at a moderate cost, to private planners, architects and designers to perform interactive, live, experimental 3D analysis of planning options against an accurate 3D background of the city.



*3D laser scanning technology (LiDAR)*

