

Case Study



Canberra Metro, Canberra, ACT

Canberra Metro is also known as the Canberra Light Rail Network, a piece of key infrastructure serving the nation's capital city. The 12km line with 13 stops links the northern town of Gungahlin to the city centre. The ACT Government has also flagged the potential for future extensions.

Project Design Brief

In certain sections, designers required a safety containment trench in the form of a channel run to provide effective surface drainage whilst acting as a wheel trap in the event of a derailment. The dual-purpose system would be installed parallel with the tram rails and fitted with frangible grates that would intentionally collapse if struck by a tram wheel. To protect the public from stray currents, all components required to be non-metallic and suitable for both vehicular and pedestrian traffic.

ACO's Solution

- **Derailment Channel** with Composite Slotted [Heelsafe®](#) Anti-Slip grates.

Benefits

- **Polycrete®** Channels with black polyamide grates comprise no metal components.
- Grates are certified to Load Class C250KN (EN 1433).
- Grates are bicycle wheel compliant (AS 3996), safe for heels and wheelchairs (AS 1428.2). Tested to AS 4586 for slip resistance.

