

City Infrastructure Information

Council has recently received a number of enquiries regarding Council's LED streetlighting network, any Smart City technology associated with that network and whether Council has any relationship with Lockheed Martin. Council provides the following information.

The majority of Invercargill's streetlights are LED. A complete list of streetlight models is available in the Streetlight Data document.

The streetlighting network is controlled through a light sensor located at PowerNet. The sensor activates a ripple relay signal that switches the streetlights on and off across the network.

Feature lighting is installed on Esk Street and Don Street, between Dee Street and Kelvin Street, as part of the city centre streetscape upgrade. These lights operate through a wireless Bluetooth mesh network, which allows smart controlling of lighting colours and operating schedules. Technical specifications for these lights can be found in the related documents.

The lighting control platform on the Esk/Don St lights is capable of supporting additional functionality if required in the future, subject to any necessary hardware, software and Council investment decisions

Feature lighting is also installed in South City. These lights provide on/off functionality only and are controlled through the same ripple relay system used for streetlighting.

Council's streetlighting and feature lighting assets have been installed by a range of contractors over time. NES is currently sub-contracted to undertake maintenance through the Wahōpai Alliance road maintenance contract, and Orangetek is the primary supplier of lighting equipment. Council is not aware of any modifications to the lighting equipment from the manufacturers' standard specifications. When lights require replacement, they are replaced with an equivalent model.

LED lighting on the state highway network is the responsibility of NZ Transport Agency Waka Kotahi.

Council's streetlighting and feature lighting infrastructure does not include:

- Phased-array antennas
- Beam-forming technology
- Environmental sensors
- High-precision positioning beacons
- Signal repeaters

Council has no contractual relationship, memorandum of understanding, partnership, or other arrangement with Lockheed Martin. For completeness of the information that Council holds on Lockheed Martin the Great South Statement of Intent 2024-2027 references Lockheed Martin on page 24. Great South is a jointly owned Council-Controlled Organisation of Council. The Great South Statement of Intent 2024-2027 can be accessed [here](#).