

PROJECT PROFILE

Category	Asset Inspection and Reporting
Client	Ipswich City Council
Structure Type	Steel, Timber and Concrete Streetlights
Location	Ipswich, QLD, Australia
Date	January 2021



Ipswich is centrally located in South East Queensland, a 40-minute drive from Brisbane. Ipswich comprises an area of 1090 square kilometres with over 550 public parks and gardens. Ipswich City Council renewed the contract with Revo Group in November 2020 for the inspection of over 2000 streetlights throughout the Council.

Prior to the Council approaching Revo Group (formerly as PortaCAT Industries) they captured limited information about the condition of their poles and relied on basic inspection techniques for the assessment. Very quickly Revo Group presented a platform of technology, software and expertise that far exceeded the original scope.

The benefits for the Council were quickly apparent in that the use of technology from Revo Group included:

- PortaSCAN® XBS, a portable density gauge for assessing timber condition.
- Innerspec EMAT technology for ultrasonic guided wave steel pole inspection.
- RLS® Meter, an eddy current technique to quantify loss of section in steel.
- THOR Pole Tester, an acoustic seismic tool for quickly assessing pole behaviour.
- Structural Lines field mobility solution.

All the Council had to do is provide a list of the parks where they believed poles to be located, and Revo Group found, numbered, inspected and reported on what they found. We capture the information using the Structural Lines Application, which allows the Asset Inspector to quickly record details about the pole, then easily perform a strength versus load calculation.

So not only does the Ipswich City Council receive information about the condition of their poles, but also a serviceability rating to understand potential risk and plan for future maintenance.

One of the useful features of the Structural Lines Application is that any defects found, or when a pole is deemed unserviceable, it automatically sends an email to the Council with a PDF report identifying the location, type of defect, severity and photos.

The Council can also log in online and immediately view inspection results and information collected about their poles.

Ipswich City Council Pole Detail:

Sheet	Keworth Street	Use Type	Pole Standing	Owner	20000
Structure	Streetlight	Site Type	Light Pole	Height A.C.B.	5m
Location Name	Keworth Street	Pole Shape	Round Tubular	Overall Height	5m
Location Description	Keworth Street	Pole Arrangement	Other	Thickness	2.3mm
Asset Type	Street Pole	Treatment Type	Painted	In Range?	True
Latitude	27.86386			Size of Nut	30mm
Longitude	152.84320				

Pole Rating: ALL | **Pole Condition:** Pole Serviceable | **Structure Status:** No Action | **Field Test:** 4 WATTS

Asset Data: 84091 | **Remaining %:** 100 | **Original Tp Capacity:** 3.67kN | **Residual Tp Capacity:** 3.67kN | **Serviceability:** 5.39

Asset Comments:

Inspection	Date Inspected	Inspected By	Visual Only	Pole Condition	Priority	Field Test	Image	Photo
Business Street Light Inspections	14/05/2016	Anthony Lane	Rate	ALL	False	False	False	False
15192919	14/05/2016	ALL	False	False	False	False	False	False

Map View: A map showing the location of poles with color-coded markers (red, yellow, green) indicating their condition. The map includes a legend and various navigation controls.