SNUG 2025 – Christchurch City Council update

Jann Kuhlmann – TL Real Time Operations

Christchurch City Council

One Team Making It Happen

- RTO working more closely with Transport, Contract, and Capital Delivery teams across CCC
  - Achieved efficiency gains, enabling delivery of a high volume of capital projects in a short timeframe
  - Streamlined processes for design, approval, delivery, and commissioning
- Collaboration across a wide range of assets, including:
  - Traffic Signals
  - CCTV installation (Traffic monitoring & Crime Prevention)
  - Network communication upgrades
  - Variable School Zone Signs renewals & installation
  - Variable Messaging Signs installation
- Team update: Apoorv Nain joined (covering for Chelsea on parental leave)

Maintenance / Upgrades / Renewals

- Post-SNUG 24, the previous maintenance contractor went into liquidation – contract novated to Downer
- 8 new traffic signals commissioned
- 20 full upgrades completed (~6% of CCC's traffic signal network)
- All 76 end-of-life VSLS assets renewed
- ~1900 dispatches completed
- New maintenance contract going to tender within 6 weeks

Noteworthy projects

- Site 0201 – Aldwins / Ensors / Ferry: Full intersection upgrade, delivered via full closure (high impact approach)
- Te Kaha – Surrounding Streets: 8 Full intersection upgrades, 3 intersection alterations
- Sites 0140 & 0141 – Milton / Selwyn & Barrington: Full intersection upgrade, coordinated with Orion’s 66kV project; live migration with new assets installed alongside existing
- Site 0071 – Fitzgerald / St Asaph: Full intersection upgrade, completed in just two weeks at a high-profile location
- Site 0354 – Greers / Memorial: Full intersection upgrade, delivered from design to commissioning in only seven weeks

Site 0201 – Aldwins / Ensors / Ferry - Full intersection upgrade

Technologies

- First SWARCO controller trial underway
  - Conservative initial installation at a midblock crossing (non-critical location), operating side-by-side with an Eclipse controller
  - Very promising results – no notable differences in SCATS (running the same .SFT)
  - Next step: trial at a simple A-B intersection with advance detection and ICT-3 operation
- Automatic SCATS detector count data import into addinsight
- Rollout of Layer 2 Cisco switches for non-fibre sites ongoing
- Planned trial of new AXIS Radar and Network I/O Relay Module

Thank you

Jann.Kuhlmann@ccc.govt.nz

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