

Hamilton

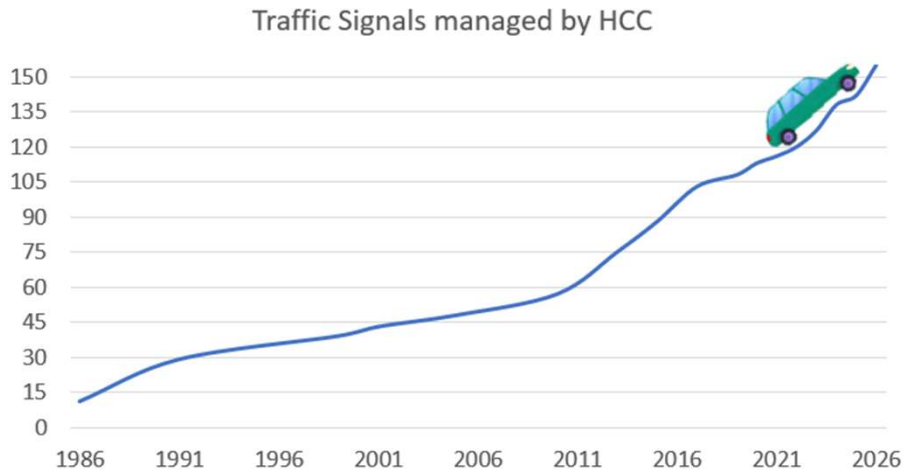
Region Update

SNUG – Sept 2026

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New traffic signal tech

- **Traffic signal "Keeper" device**
  - How do you know about comms loss followed by a power cut?
  - Small device "Keeper" plugs into secondary port
  - Monitors power/comms status etc.
  - Next step is auto backup comms
- **Solution for streetlights at ELV sites**
  - FY/BO means lose streetlights!
  - New ATC controllers to have dedicated toroidal transformer – done by TSL during build
  - New ELV streetlights also mean no step-up transformer needed at poletop



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Innovations

- **First sites on LiDAR (double site)**
  - Two closely spaced intersections
  - Radio link between them (over Kiwirail land)
  - Fully running on LiDAR (integrated tracking)
  - Plans for queue detection/counting/on-crossing
  - So far so good.. more details in tomorrow's detection topic



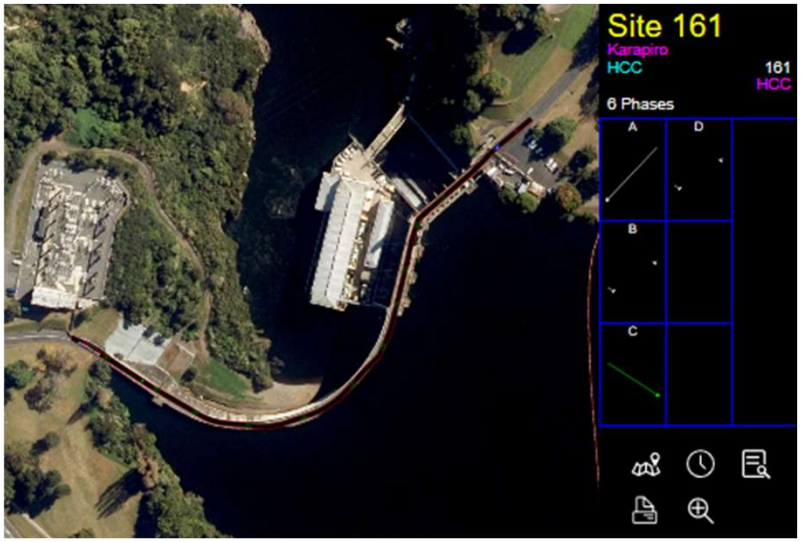
- **Fire truck priority (ANPR + GPS)**
  - They weren't pushing their station button
  - ANPR triggers green wave from station
  - GPS activated for city-wide SCATS priority
  - Priority system covered in separate topic



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News in the ‘Tron

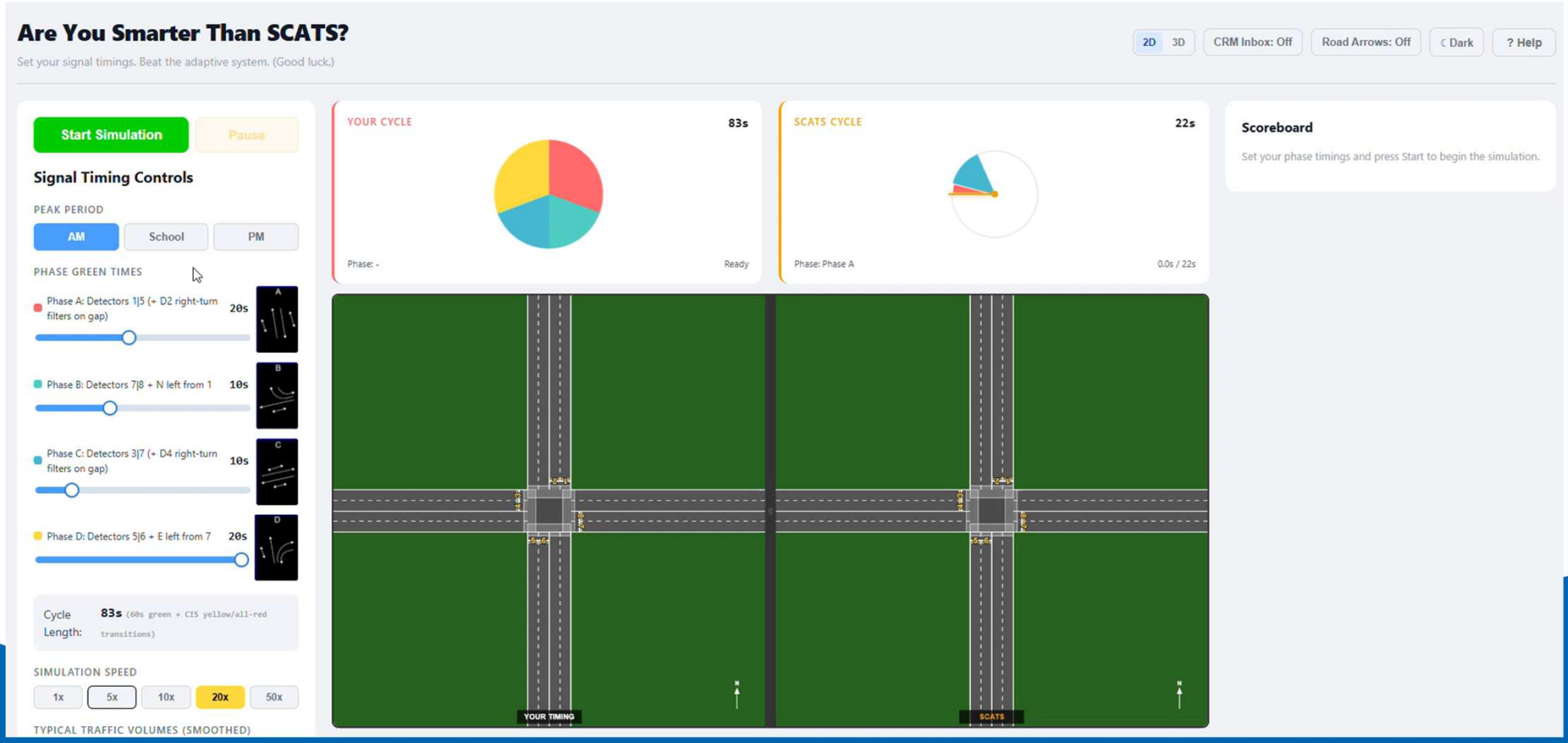
- **Karapiro Dam**
  - 330m long, one-way = Very long all-red times… ~75s
  - Variable traffic volumes and speed
    - Tractors going slooooow
    - National/International rowing event traffic
  - Now on SCATS, updated SFT
  - Next step.. make it adaptive… considering options!



- **Ped crossings – no delay is still the way!**
  - All of our pedestrian crossings will instantly terminate when demanded, if after A phase Max time
  - Before A phase Max time, normal extension and gapping takes place
  - Everyone wins!
  - Should be done everywhere
  - Simple tweak to CIS/SFT

NOTES	
1	Standard Mid Block Pedestrian Crossing
2	Vehicle approaches ignored after A phase max time, so that after the max time A phase will terminate immediately upon a pedestrian demand being placed

Traffic Signal Game: Compete against SCATS using real data and custom timings!



Thank you

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