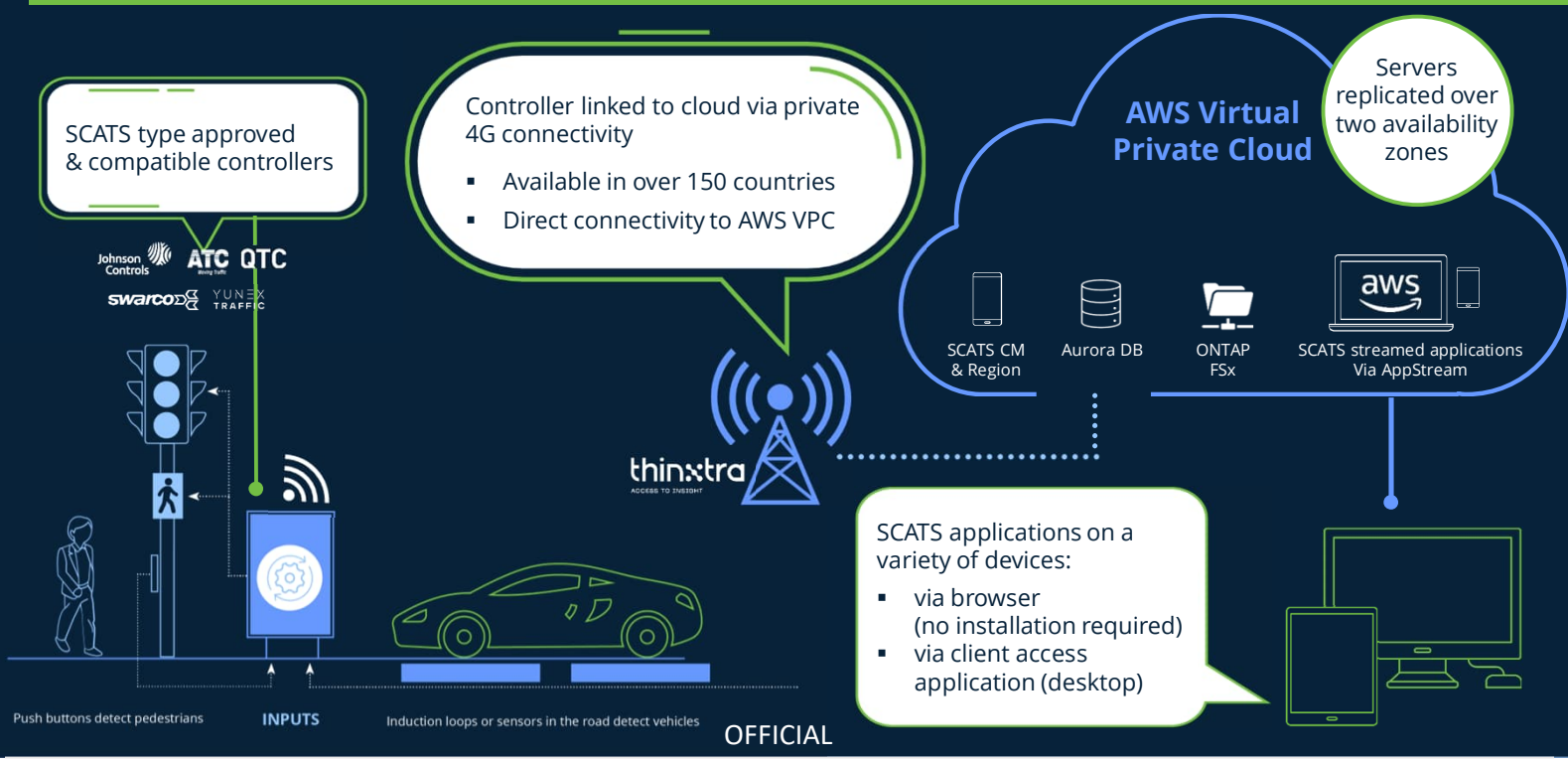
SCATSCloud exclusive technology preview

OFFICIAL

Notes view: 0

How does it work?



- This is a Technology Demonstration of the concept.
- We are still working through things like cyber-security, product licensing, and support models before determining our go-to-market approach. At this stage are seeking to gain insights on market appetite.
- To be sold as part of a recurring subscription style package
- Opportunities exist for partners to complete the solution:
  - Hardware – controllers, lanterns, communications equipment (CPE), etc
  - Design, civil engineering, installation, configuration
  - Maintenance of physical infrastructure
  - Operation of Traffic management centres
  - Internationalisation and foreign language services

Benefits of SCATSCloud

- Subscription offering, includes all licensing
- Turnkey operation, low-infrastructure:
  - Managed comms
  - Managed (IT) infrastructure (no on-prem required), server and software updates
- Easy to adopt
  - Familiar applications
  - Existing SCATS Controllers (ideally VC6.2)
- Reduced CAPEX spend
- Improved reliability
- Improved security: 2FA, Active Directory integration
  - 'Defence in depth' implementation – all entities firewalled
- Hosted in AWS Cloud, other providers to follow
- Resilient server architecture, split across two availability zones
  - Redundant database and file share (SCATSData) storage
    - Short RTO/High RPO
    - Automatic failover in minutes
- Application streaming via browser or desktop client
  - Secure: no network/file/hardware connectivity between client network and SCATS infrastructure
- Secure controller connectivity via 4G
- Retain ITS Application integration via VPN

OFFICIAL

Easy to adopt

- We have worked on a full End to end solution *'From the cabinet to the console'*
- – communications, server hosting, support/maintenance, training, software licensing. Lower CAPEX spend/lower upfront costs – subscription model
- 'Over the top' solution requires less involvement from third parties: local telcos, IT teams, etc. Don't have to train IT teams to support application/service.

Easy to live with

- Ongoing server maintenance, managed software upgrades included
- Access via a variety of devices: web browser, desktop client, phone, tablet

More reliable, more secure

- Our Technology Demo is Hosted by AWS and we aim to have available a number of Hosting options with Tier 1 cloud providers
  - Diversity of choice in locations and providers to suit customer requirements
- SCATS environment stretched across two availability zones, provides **automatic** failover in the event of a datacentre outage – *'failover in minutes'*
- Access to applications can be secured with Active Directory integration, Multi-factor

authentication (bring your own or standalone)

- Network security policies (firewalls) implemented throughout cloud architecture restrict communications between entities – *'defence in depth'*
- Application delivery via streaming: no network/file/hardware connectivity between customer access environment (their computer) and the SCATSCloud environment

Live demo

- WinTRAFF connected via Private 4G connection in NZ
- Server and applications hosted in AWS Sydney

- Streamed applications via desktop app
  - SCATS Access
  - Cornerstone

OFFICIAL

We'll keep you updated on our progress.

Thank you

OFFICIAL