



SCATS
Move Smarter

From Signals to Solutions:
Evolving SCATS with customers at the Core

Roy Brown, Director Technology SCATS



Agenda

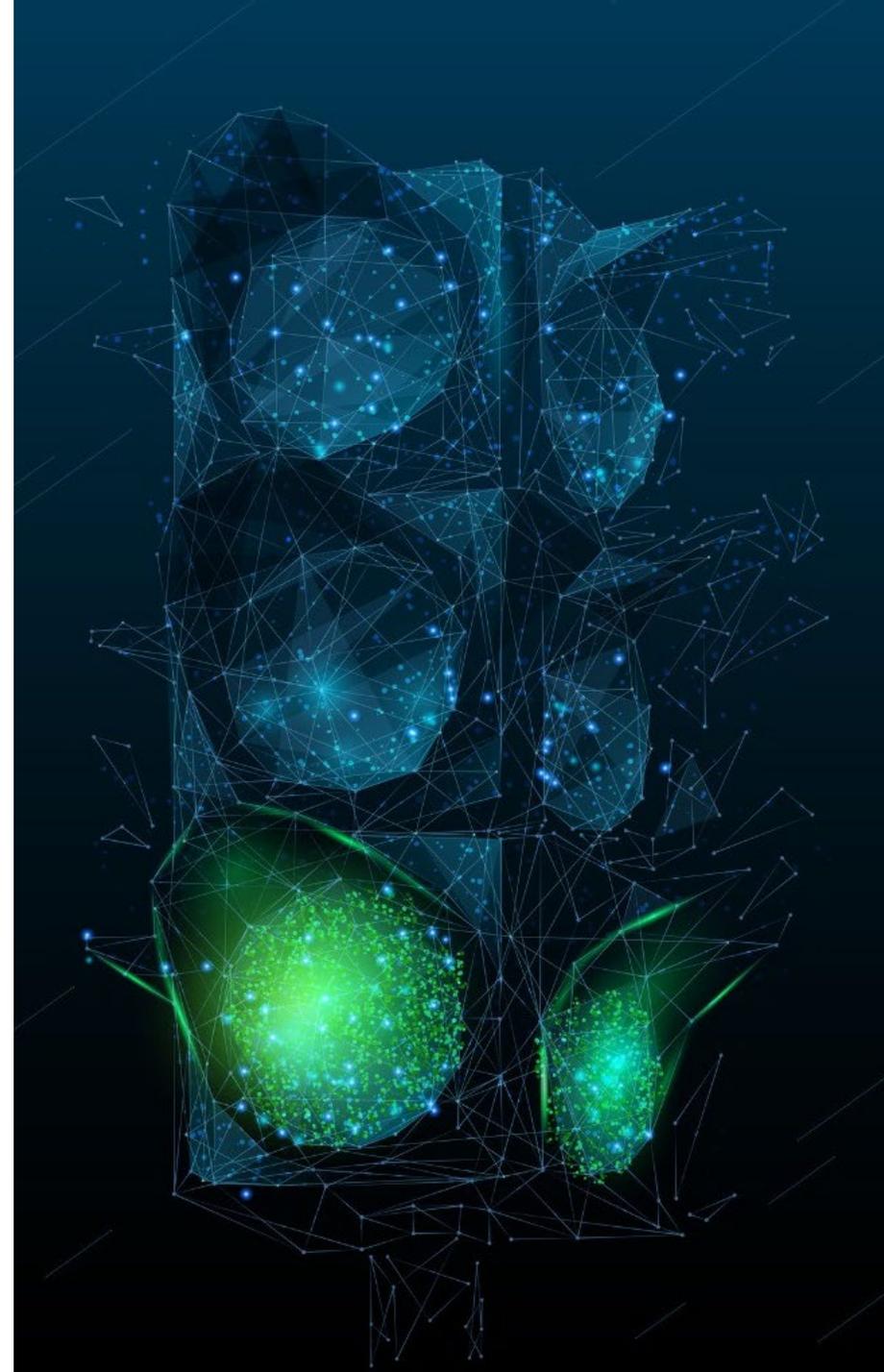
01 **SCATS Product to Platform Vision**

02 **SCATS - development focus**

03 **Launch of SCATS Console & Control Centre**

04 **SCATS Product roadmap - 2026**

05 **Any Questions?**



01

SCATS Product to Platform Vision



SCATS Ecosystem

 Third party partner integrators

 SCATS developers portal

 **SCATSLearn**

SCATS Console

 Know my network

SCATSIM

New capability

Cornerstone

New capability

Data Insights

New capability

 Control my network

Control Centre

New capability

SCATS Priority Engine

New capability

New capability

New capability

 Administration

Software download

Account management

Support and documentation


Data platform

 API Gateway

SCATS Core

Data transfer

Roadside integration

Sensors / Controllers

02

SCATS Development focus



SCATS development focus – better data, faster optimisation

SCATS Roadside

- TRAFF 6.3 release
- De-coupled TRAFF
- Easily updateable software
- Personality – NGEN evolution
- Standardised sensor integration – adaptive integration for transport modes, increased accuracy, richer data

SCATS Console

- Central point for SCATS and user interface
 - Control centre
 - Map-based interface and control features
 - Replacement of SCATS Access
 - Foundation for SCATS App Store
 - Foundation for SCATS partner integration

SCATS Data Insights

- Real time data insights – integrated to control centre
- Historical data insights – available for dashboards, reporting, planning
- Externally available APIs for road usage metrics – at the discretion of SCATS customers

SCATS Ecosystem

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 **SCATSLEARN**

SCATS Console


Data platform

 **Know my network**

SCATSIM	New capability
Cornerstone	New capability
Data Insights	New capability

 **Control my network**

Control Centre	New capability
SCATS Priority Engine	New capability
New capability	New capability

 **Administration**

Software download
Account management
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Roadside integration
Sensors / Controllers

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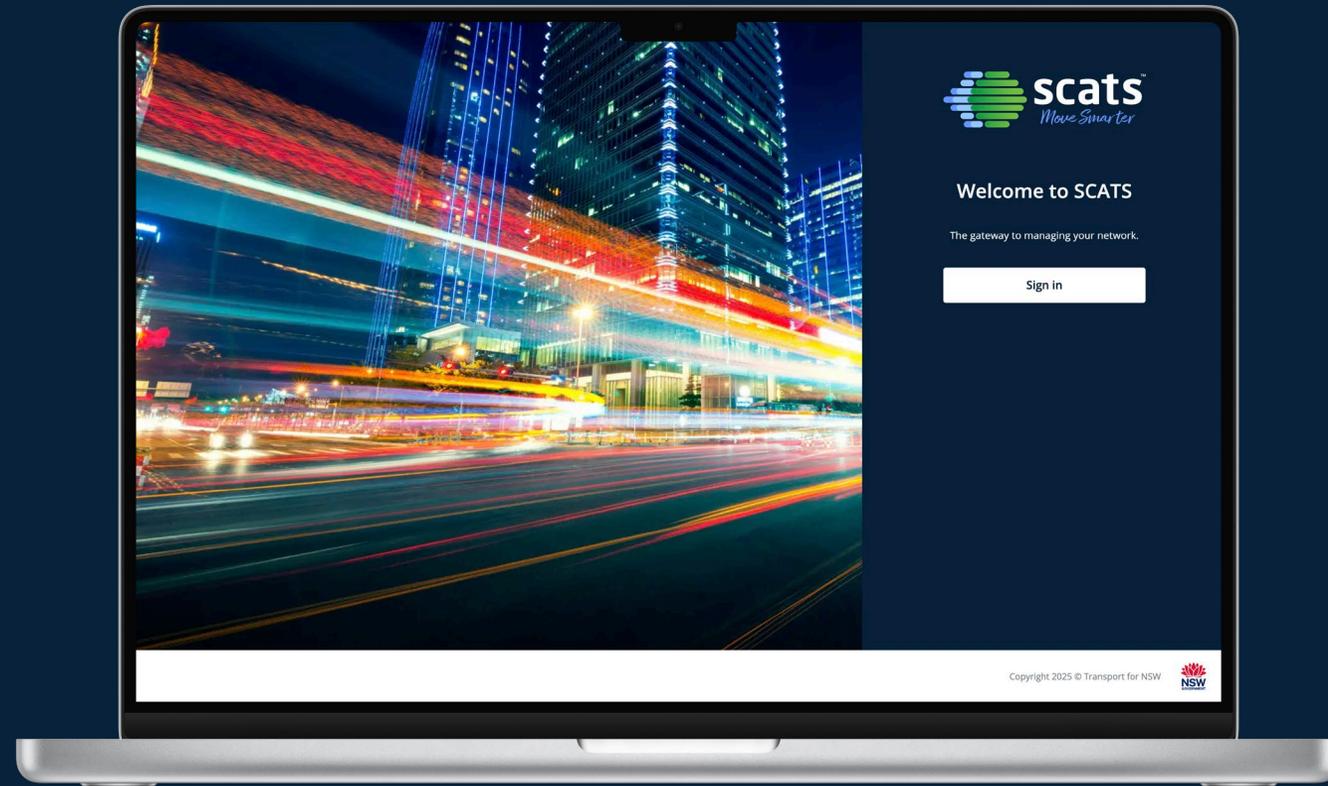
Launch of SCATS Console & Control Centre



Introducing SCATS Console

SCATS Console is the next step in how road networks can be monitored and controlled, unifying real-time operations, network management and advanced analytics in a single, intuitive interface.

- SCATS Console; preserving trusted capabilities and familiar logic that operators depend on today, while laying the foundation for the future of SCATS capabilities.
- It is a single, unified interface that allows operators to make confident, informed decisions about their networks – in a user interface tried and tested with our global customers.
- The initial commercial release contains Control Centre – a map-based view of your network, providing situational awareness and real-time operational information and maintains an integration with SCATS Access for immediate interventions.
- SCATS Console is now available for commercial release to external customers.



SCATS Console – minimum requirement of Core V 6.12

What	How
Role-based access Manage user permissions by role.	Manage permissions for different users via role-based access. Managing users by role streamlines administration and ensure each user has access to the tools they need.
Simplified secure login Fast, hassle-free access to SCATS products and features via SSO.	Single Sign-On (SSO) enables fast access across SCATS products and capabilities in SCATS Console using a single login, reducing friction for users and enhancing security. This eliminates the need for users to remember and enter different usernames and passwords and enhances security by allowing centralised control and easier enforcement of security policies.
Secure and integrated deployment	SCATS Console is built on a modern scalable architecture, using secure communication protocols and robust access controls. It seamlessly integrates with SCATS Core and Cornerstone.
User feedback	SCATS Users are encouraged to provide ongoing users feedback on our tools and partake in SCATS product research where end users test upcoming features, provide feedback directly to SCATS designers, and share their needs. Ongoing dialogue with end users helps us build a better platform.
Responsive + inclusive design SCATS Console adhering to WCAG guidelines meaning it is built for users of all abilities.	<p>SCATS Console progressively adheres to Web content Accessibility Guidelines (WCAG) AA standard and guidelines outlined in the Disability Discrimination Act 1992.</p> <p>SCATS Console is designed to enable use by anyone affected by low/colour-affected/blurred vision, users who are unable to operate a website with a mouse or rely on screen-readers and those with cognitive impairments. These capabilities were added to SCATS Console, providing a reliable, consistent and accessible experience across different screen-sizes and devices, ensuring an equitable user experience for all operators.</p>

What is Control Centre?

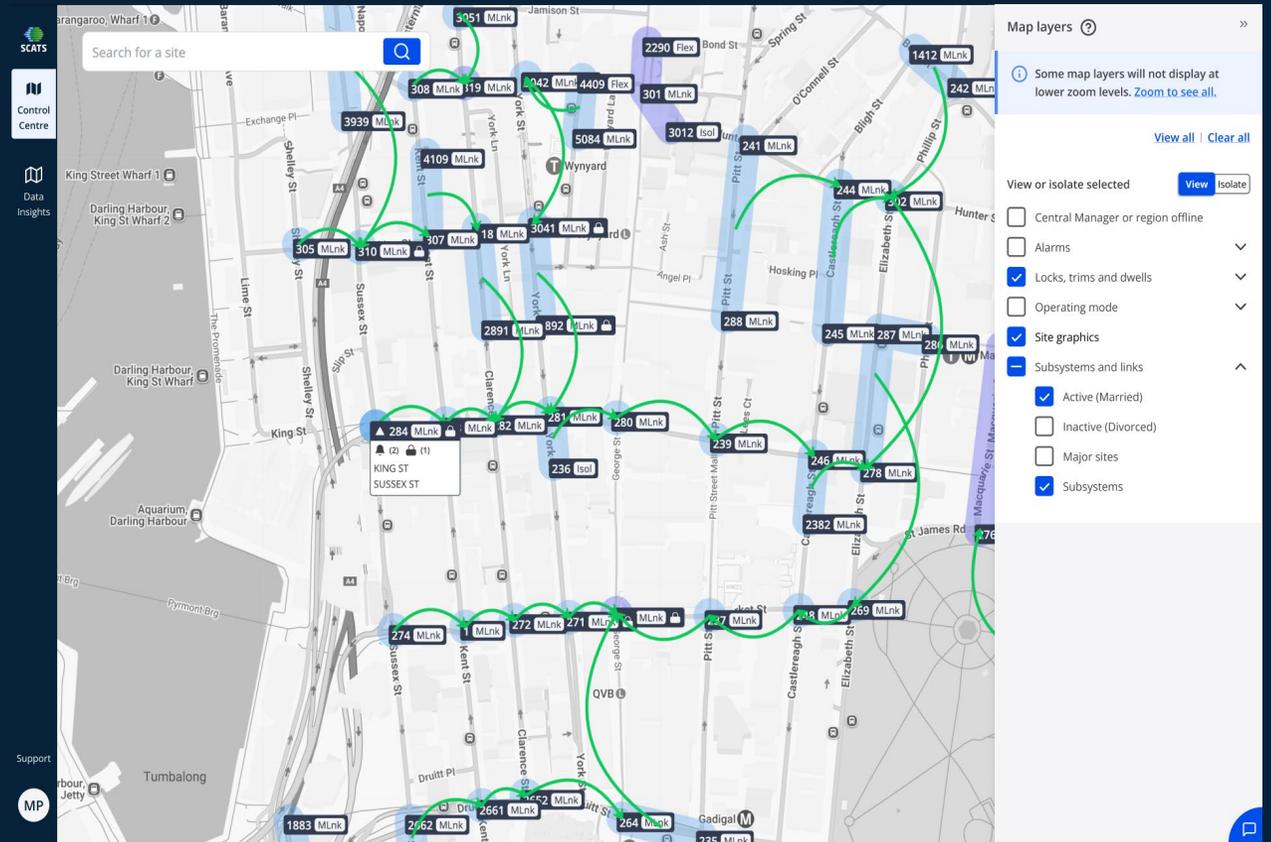
Control Centre is the first product available in SCATS Console enabling you to respond swiftly to incidents, unusual traffic conditions and monitor real-time operations across your network.

Control Centre an innovative tool for network monitoring and interventions.

Control Centre provides traffic operators with:

- A map-based view of the network
- Real-time situational awareness

This approach enables faster analysis of real-time situations based on multiple intersections at a time.



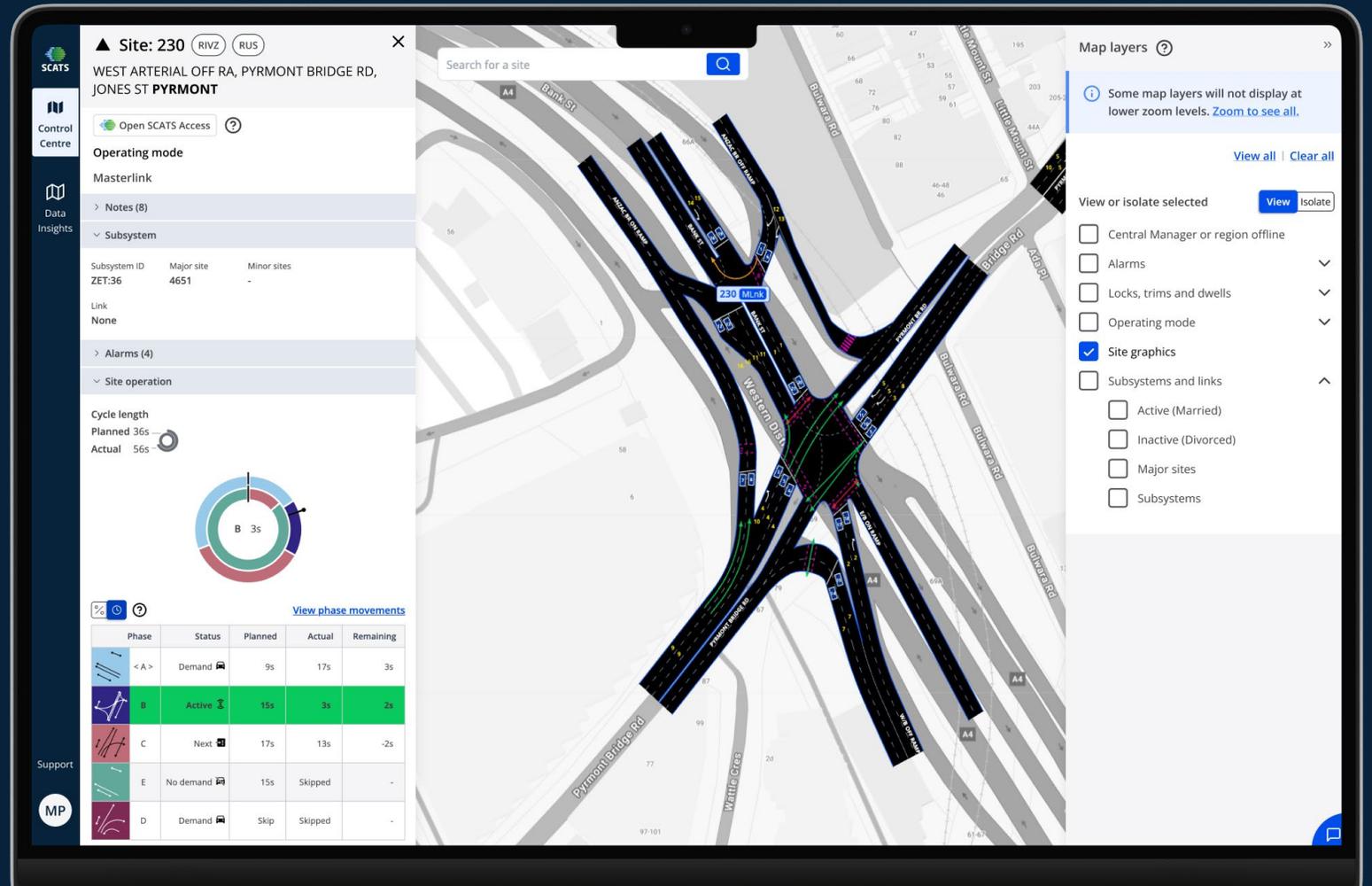
Capabilities: Detailed site information

Control Centre harnesses the capability of Cornerstone; giving you access to each intersection in your network as a digital, spatial model.

Cornerstone, like Core V6.12, is a minimum requirement to use Control Centre.

Zooming in on one site provides:

- Intersection layout, including boundaries, lane markings, stop lines, medians, and pedestrian crossings, and the placement of vehicle detectors
- Live site operation
- Alarms
- Subsystem information



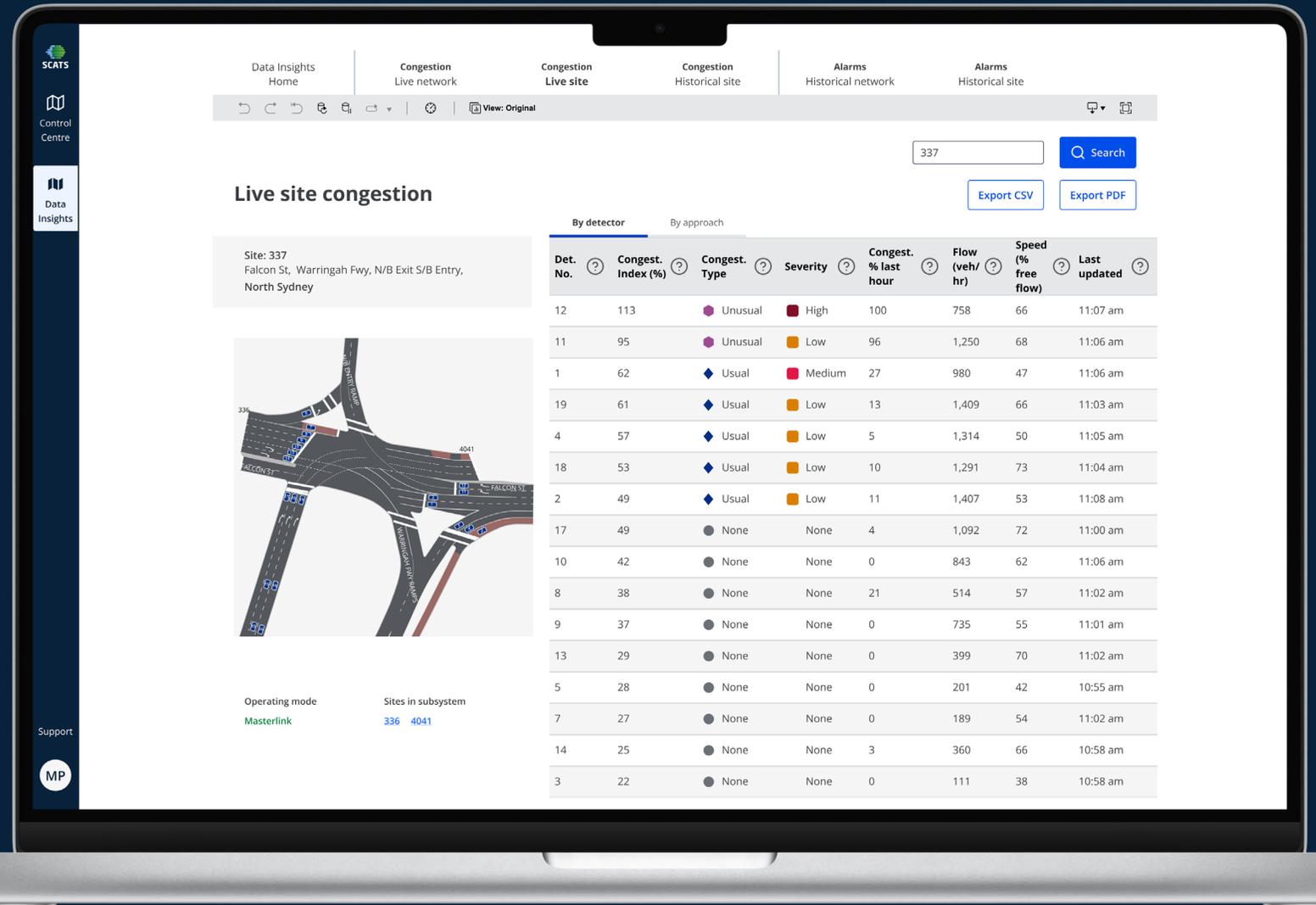
Capabilities: A deeper understanding of your data

Data Insights provides a deep understanding of the road network by identifying trends, patterns, and correlations allowing you to make strategic data-driven decisions.

Capabilities include:

- Live and historical congestion
- Usual and unusual congestion
- Historic Alarms and Flags
- Historic Operation

Currently installed within Transport for NSW. The commercial release of Data Insights is coming soon.

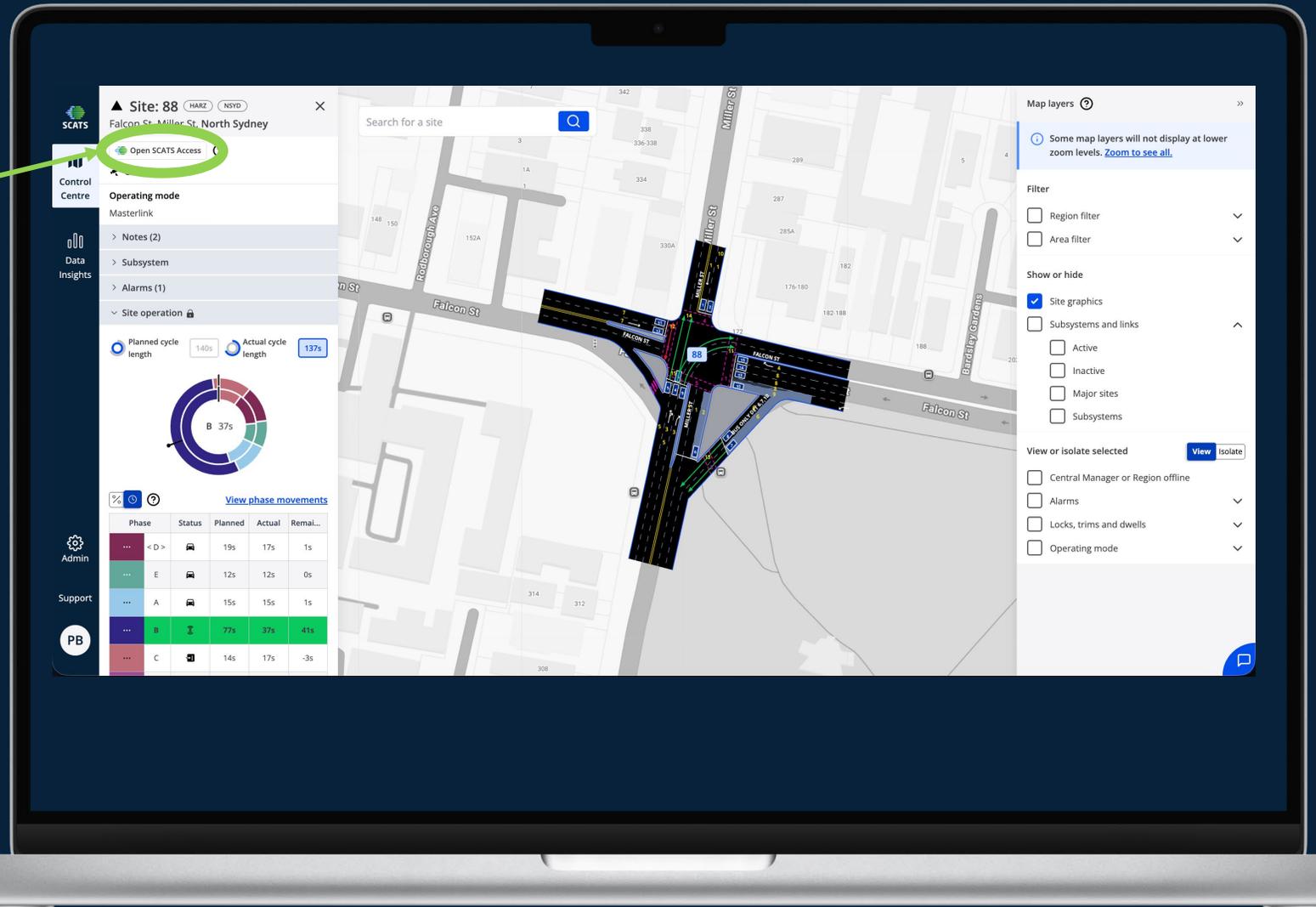


SCATS Access integration – for immediate interventions

Over time, all SCATS Access functionality will be migrated to the Control Centre

For the Commercial release, Control Centre will allow enablement of an integrated button to launch SCATS Access from inside the left navigation panel.

SCATS will support this option until the Access capabilities are migrated to Control Centre native capability.

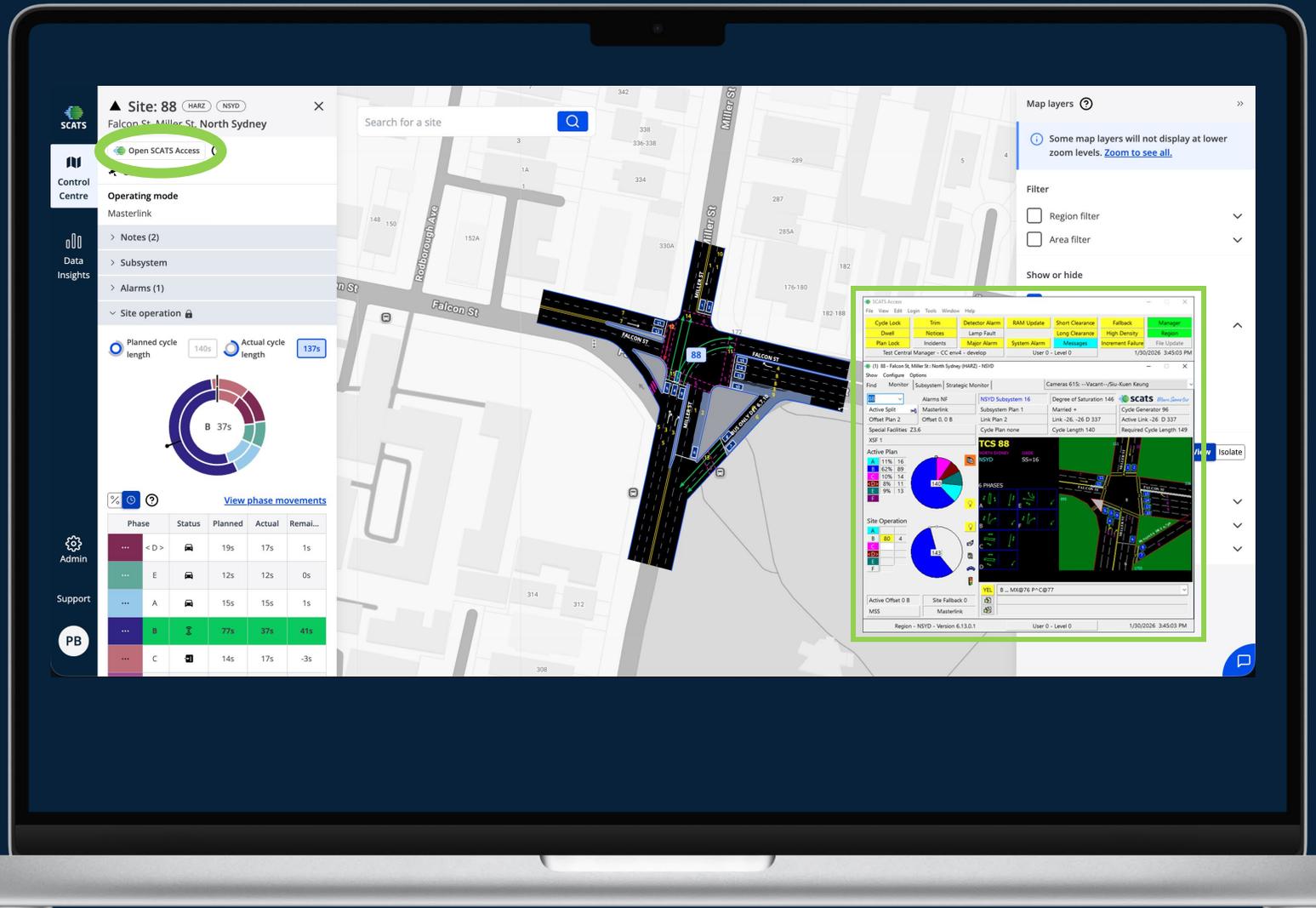


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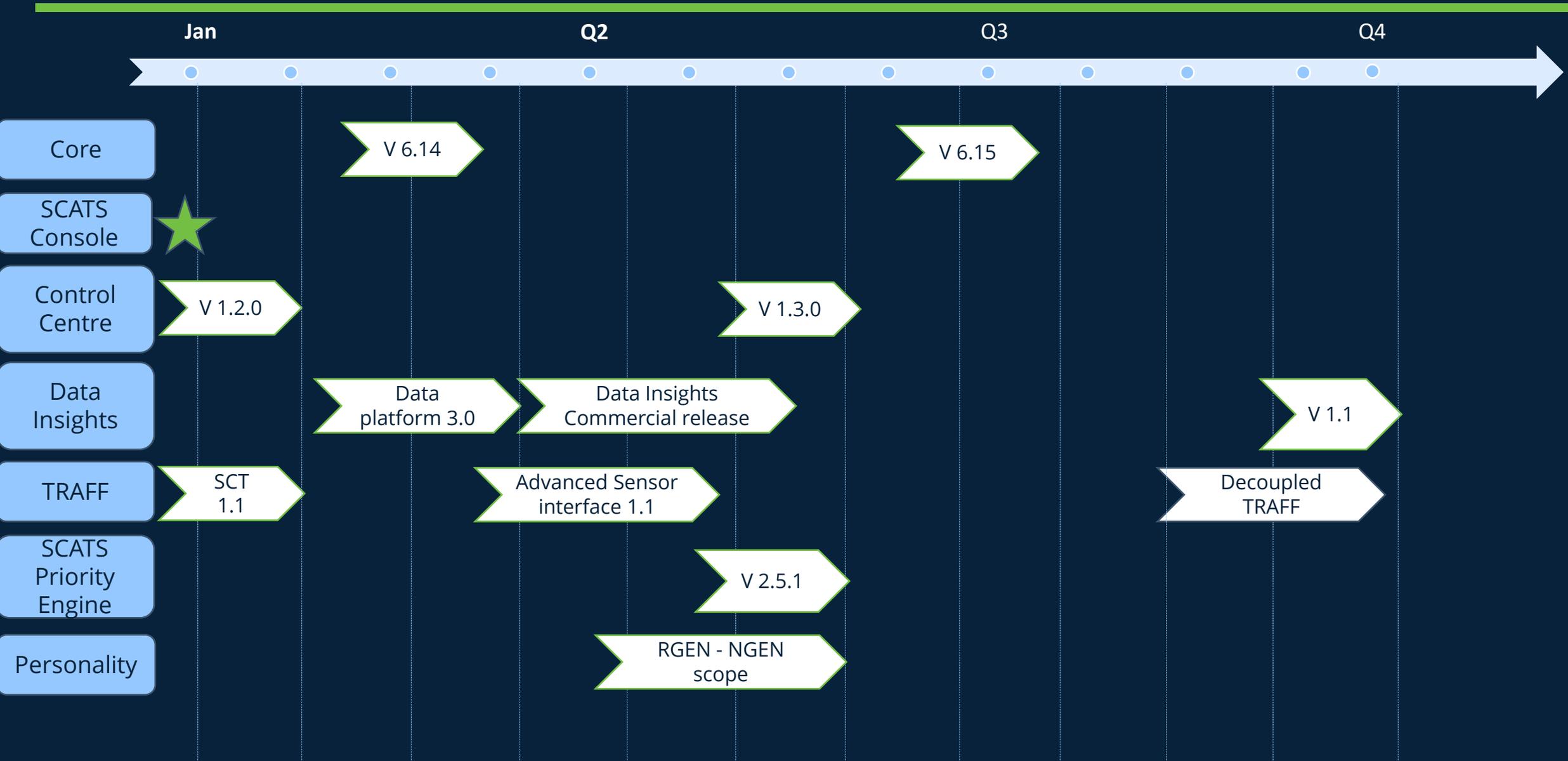


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SCATS Product roadmap - 2026



SCATS Product roadmap – 2026



Product roadmap – what's coming up in 2026

Core V 6.14 and V 6.15

- Uplift of SCATS keys from 200 to 238
- Development of ITS Link messages for end-to-end encrypted feature capability to support SCATS Console and Control Centre

Control Centre and Data Insights

- Operator capability to enable interventions and further contextual information on Data Insights
- Historical data insights
- Real time data insights – for display on the Control Centre interface
- Data insights APIs to enable external (3rd party) access to road network metrics via SCATS

TRAFF - Roadside

- SCATS Compatibility Test – stand alone compatibility test and testing procedure to enable hardware original equipment manufacturers (OEMs) to build for SCATS compatibility via a streamlined process
- Advanced sensor interface specification – to standardise the required interfaces and messaging protocols
- TRAFF evolution towards hardware independent software packaging

Product roadmap – more of what's coming up in 2026

SCATS Priority Engine (SPE)

- V 2.5.0 and V 2.5.1 will contain updates to the user interface and management console and improvements to multi-threading performance

Personality- NGEN & RGEN

- NGEN evolution and uplift, including standard tables from TfNSW RGEN

05

Panel Discussion



Thank you

Roy Brown, Director Technology SCATS

For more information email scatshelp@transport.nsw.gov.au

