scats™

Move Smarter

SCATS Cornerstone

SCATS Cornerstone, a universal software
system developed for smart cities

NSW GOVERNMENT

Universal software for smart cities

Smart cities rely on many different systems to manage the transportation network.

SCATS Cornerstone provides uniform digital copies of intersections, critical for the effective performance of traffic management systems, modelling applications and connected & autonomous vehicles.

For use with or without SCATS, SCATS Cornerstone ensures consistent intersection data for use by current and future ITS technologies.

- ✓ Creates a digital twin of the road network
- ✓ Provides a single source of truth
- ✓ Effecient, effective and easy to use

Key features

- ✓ Supports local and global spatial configurations
- ✓ An intuitive, easy to use UI allows for efficient intersection setup and management
- ✓ A scalable, adaptable system designed to consider future ITS needs
- ✓ Provides a uniform and authoritative data source for all intersection data
- ✓ Can be used with or without SCATS
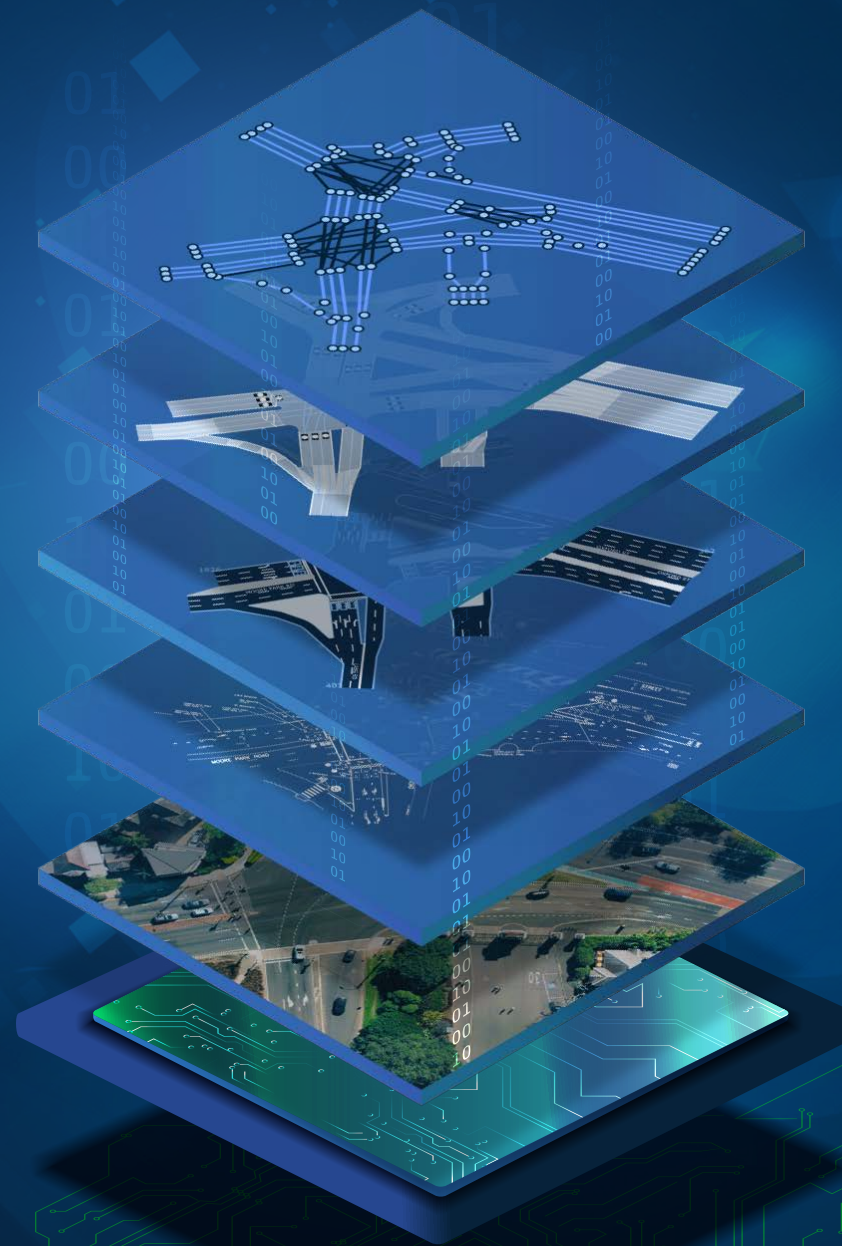
scatscornerstone

How does SCATS Cornerstone work?

The intersection layout and the phase (traffic signal state) configuration is entered into the SCATS Cornerstone system, creating a digital copy and virtual representation of the road network.

The digital copy of the intersection layout can be developed from a CAD drawing or any other mapping data source such as Google Maps. SCATS Cornerstone makes the data available in standardised formats required for different ITS applications.

Efficient, Effective, Universal

CAD

TRAFFIC ENGINEER

CHANGES
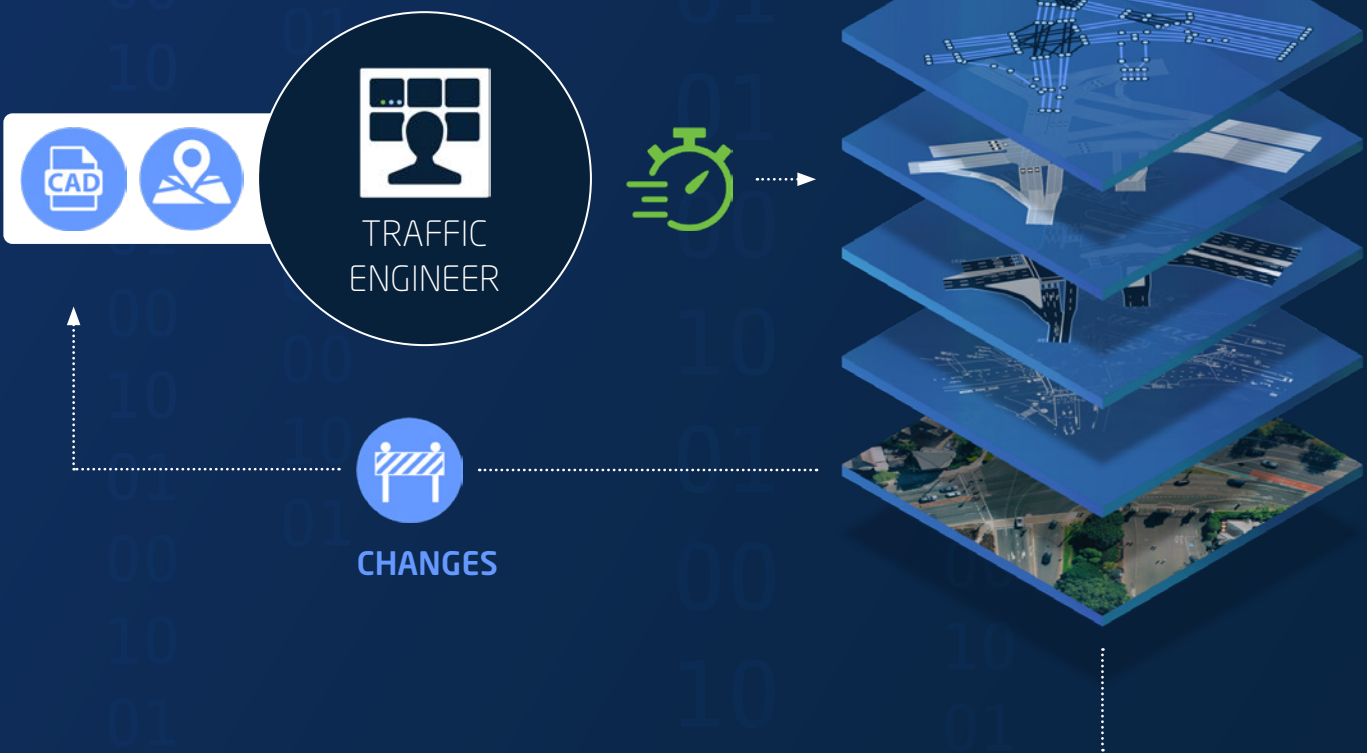
Built-in version history and data capture allows access to visual historical data for accurate traffic modelling, simulation and analysis.

Single source of truth

Intersection layout is converted into multiple formats for traffic systems and applications

Uniform intersection data is distributed to all connected systems

When changes occur to the traffic network, all systems are updated at the same time

ITS SYSTEMS

Graphical data for intelligent traffic control systems like SCATS

TRAFFIC MODELLING

Spatial data for Geographic Information System, traffic modelling and simulation systems

PRIORITY SYSTEMS

Priority data for traffic priority management systems like SCATS Priority Engine (SPE)

CONNECTED & AUTONOMOUS VEHICLES

Map data messages for location intelligence and connected & autonomous vehicles

NETWORK ANALYSIS

Historical data for use by traffic network analysis applications

NEW SYSTEMS

SCATS Cornerstone also has the capability to adapt with new traffic management systems as they emerge

scats™

Move Smarter

Designed and developed in Sydney, Australia by the NSW Government, SCATS has been delivering safe and reliable traffic management solutions since 1975.

NSW
GOVERNMENT

www.scats.nsw.gov.au