

Urban64[®]

Replicate permanent signal functionality



Introducing Urban64®

- Replicates permanent signal functionality
- Up to 64 signals
- MOVA functionality
- Cabled system provides robust and reliable operation
- Remote diagnostics

Why should temporary works mean compromise?

Too often, road users associate temporary and portable traffic signals with delays, frustration, and disruption. Lane closures, reduced functionality, and reliability issues are seen as inevitable side effects of infrastructure upgrades. But at SRL, we believe temporary doesn't have to mean inferior.

Urban64 is our intelligent semi-permanent traffic signal system, designed to replicate the full functionality of permanent installations—without any drawbacks. Whether supporting complex junctions, long-term diversions, and even short-term trials, Urban64 delivers scalable, adaptive control with the speed and flexibility needed to keep traffic flowing and communities connected.



Replicate **permanent signals** in both function and scalability

The Urban64 intelligent temporary system was the first standalone temporary traffic light solution to feature permanent technology, enabling site bespoke layouts for the safe flow of vehicles, cyclists and pedestrian traffic during construction phases.

Urban64 is also the only intelligent temporary system to use MOVA (Microprocessor Optimised Vehicle Actuation), a sophisticated traffic control strategy specifically designed to maximise operational efficiency of a junction.

Urban64 can replicate preceding permanent systems but because cabling is overhead it can be implemented quickly and safely whilst permanent equipment is removed.

It delivers cost certainty, promoting traffic efficiency and safety, and the flexibility to adjust layouts in line with the project development.

SRL's team support schemes from initial concept to completion, offering bespoke layout designs to suit the temporary works including; full installation, maintenance, 24/7 call out, decommissioning, inspections and site visits.

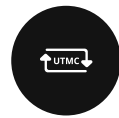
Urban64 is a flexible, cost effective solution which adapts to your projects.

SRL's experienced team handle:

- Signal layout design
- On-site commissioning
- Decommissioning and removal
- Inspections and maintenance
- Remote monitoring via SRL Telematics and CCTV
- Junction traffic signal modelling



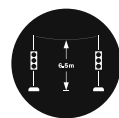
Key features & benefits



UTC / UTMC Connectivity. UTMC helps coordinate the system with nearby permanent sites, with remote monitoring.



MOVA Capability and Licensed. The dynamic strategy for adapting green times for unpredictable and heavy traffic flows.



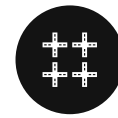
Overhead Cabling. Taller posts than traditional and portable traffic lights (minimum 6.5m above the carriageway) gives high usability and promotes safety and efficiency and is suitable for high-speed motorway junctions.



Up to 64 Signals. Urban64 can incorporate up to 64 traffic lights in comparison with circa 20-39 in more traditional portable solutions, making it suitable for large projects.



Walk with Traffic/ Pedestrian. Enables traffic and pedestrian movements to operate simultaneously where possible, providing maximum junction efficiency and safe operation.



Four Streams per Controller. Enables up to four traffic streams to be simultaneously controlled via a single master controller for superior efficiency on more complex sites.



Conditional Phase Appearance. Enabling split phase, early start, early cut-off and conditional appearance concepts to maximise the junction efficiency and flow.



Remote Monitoring. Remote monitoring and control via a 4G router, directly interfacing with the controller LCD display.



Secure 48V Cabling and Data Cabling. With no batteries, Urban64 avoids the risk of battery failure and battery changes, promoting low maintenance and efficient operation.



Programmable Timetable of Max Sets and Plans. Enabling changeable timings for AM peak, PM peak, Off-peak etc for optimum performance.



Indicative Filter Phases. 4-in-line signal options where required.



Cyclist Phases. Enabling the use of low-level cycle signals.

Why a Cabled Solution Delivers Long-Term Value

Temporary traffic signals are essential for managing flow and safety during infrastructure works - but not all systems are created equal. While battery-powered signals offer portability and quick setup, they come with limitations that can impact reliability, cost, and performance over time. Urban64's cabled solution offers a smarter, more sustainable alternative.

Battery-powered systems are widely used for short-term traffic control, but they require frequent battery exchanges, depending on usage and conditions. This leads to ongoing maintenance costs, increased site visits and labour, and risk of signal failure. Battery exchanges are not only costly - they're disruptive. Each exchange requires traffic management support, vehicle access, and time spent working near live lanes, increasing risk and reducing efficiency.

Urban64 eliminates the need for batteries entirely. Its 48v cabled infrastructure ensures consistent power delivery, reducing maintenance and improving reliability. While Urban64 may involve a higher initial outlay for installation and commissioning, the long-term savings are substantial derived from no recurring battery exchange costs, fewer site visits and lower labour costs.

What to Consider

When choosing between battery-powered and cabled temporary signals, consider:

- Duration of the scheme: Longer projects benefit from reduced maintenance
- Complexity of the junction: Urban64 supports advanced phasing and modelling
- Traffic volume and risk: Cabled systems offer greater resilience and safety
- Environmental goals: Fewer site visits and no battery waste support sustainability
- Budget planning: Factor in lifetime costs, not just initial setup



Commissioning & Decommissioning

Urban64 is delivered in partnership with traffic management teams to ensure seamless setup and removal.

SRL's installation capability is underpinned by our own fleet of specialist equipment, including telehandlers, MEWPs, and all necessary tools to ensure safe, efficient, and reliable deployment of Urban64 systems.

Our commissioning and decommissioning teams routinely work overnight, minimising disruption to traffic and ensuring seamless transitions between temporary and permanent setups. With full control over logistics and equipment, SRL delivers consistent quality and rapid response.

Remote Diagnostics

Our engineers work closely with SRL's Telematics platform, enabling real-time, remote diagnostics, and proactive alerts. This ensures that any issues are identified early and resolved quickly - minimising disruption and maintaining signal reliability throughout the project lifecycle.

Design & Modelling Expertise

At the heart of Urban64's success is SRL's specialist Traffic Signal Design Team, including expert Configuration Engineers who ensure every junction layout is designed for optimal performance.

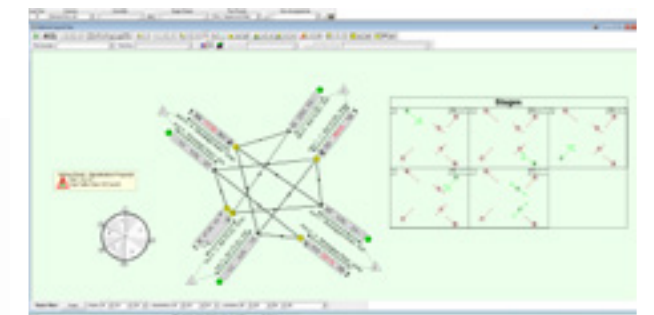
Using advanced modelling tools like Linsig, our engineers simulate traffic flow, test phasing strategies, and align temporary signals with permanent predecessors - or trial new junction designs entirely.

Our engineers are responsible for:

- Creating bespoke signal configurations using specialist software and MCH1827 documents.
- Testing and validating signal setups before deployment, including factory acceptance tests.

- Responding to technical queries and supporting on-site teams with layout and timing adjustments.
- Ensuring compliance with traffic signal theory and design standards.
- Planning and documenting signal schemes to meet project deadlines and safety requirements.

Whether you're managing a complex urban intersection or trialling a new junction layout, SRL's design and modelling team ensures Urban64 delivers reliable traffic control from concept to completion.





Offsite Build: Time, Cost & Safety Benefits

Our new Urban64 offsite build installation process offers up to 40% reduction in install time (vs our previous generation Urban64 signals), delivering cost reductions, enhanced reliability and increased efficiency.



Significant Time & Cost Savings

Urban64's offsite build process delivers major efficiencies - especially on larger schemes involving 18 signals or more, where traditional installation might span two nights. By condensing the installation period, we help accelerate overall project timelines while reducing traffic management requirements and associated costs. In fact, we've seen a **25% reduction in average installation fees** thanks to this streamlined approach.



Improved Efficiency & Accuracy

Before arriving on site, our experienced team conducts comprehensive pre-installation testing at dedicated Urban64 centres. This ensures the system is fully operational and any anomalies are resolved in advance - saving valuable time and minimising the risk of delays. Fewer nights on site and fewer vehicles required mean less disruption for road users and stakeholders.



Reduced Risk

Offsite build also enhances safety. By reducing the number of installers needed on site - from seven down to just four or five - and shortening the time spent working near live lanes, we significantly lower exposure to roadside hazards while maintaining high standards of delivery.



SRL's innovative offsite build process for Urban64 features newly engineered modular blocks and poles, designed to streamline transport, installation, and commissioning. Poles are pre-assembled and cabled - complete with signal heads - at one of SRL's specialist Urban64 centres, then securely placed into blocks ready for delivery.

Once on site, the blocks are positioned, and each pole is quickly raised to full height. Signals are connected and commissioning begins - reducing installation time by up to 40%. This modular approach not only accelerates deployment but also enhances safety, accuracy, and overall project efficiency.

There's nothing like Urban64 out there on the market. It is the only temporary system that has intelligent technology to allow for efficient phasing of traffic and pedestrian systems. This makes junctions flow better, eases road user frustration and reduces complaints.

Like every product in SRL's extensive range, Urban64 is robust and user-friendly and is backed by high levels of customer and technical support.

Urban64[®] Accessories



CCTV

- Complete fisheye 360° panoramic view with zoom, or quad view.
- Maximum resolution 640x480 pixels, special model 1280x1024 pixels available.
- 10x digital zoom.



Cyclists "Head-start"

- Small red/amber/green cycle signal.
- Mounted at a lower height for easy cyclist visibility.
- Aimed to give cyclists a head start before vehicles in order to increase cyclists safety in difficult conditions.



Video Detector

- Used to separate filter lanes.
- Direct visual verification of presence zones.
- Allows exact positioning and verification of the vehicle presence detection zones.
- As these zones are displayed on a video image, they are easily repositioned to make allowances for changing traffic situations.



Box Signs

- 300mm x 300mm regulatory box signs available as a 4th aspect beneath the green LED. Options including: No right turn, no u turn, ahead only, turn left, turn right.
- Secret signs can be programmed to illuminate for set periods.

Urban64[®] + Smart Messenger VMS

Urban64 can be integrated with SRL's Smart Messenger Variable Message Signs (VMS) to deliver live updates to road users - helping manage traffic flow, reduce frustration, and improve safety across any temporary works site.

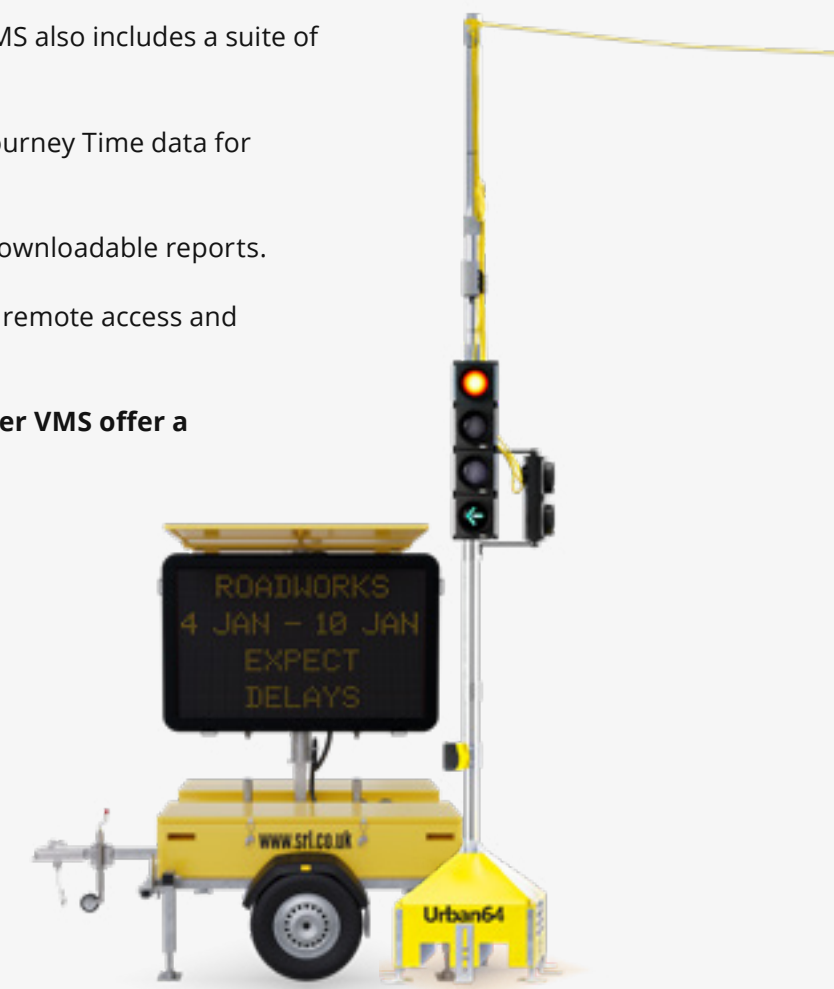
This integration allows for:

- Pre-warning of heavy traffic flows to reduce sudden braking and protect your workforce.
- Diversion messaging based on traffic conditions to ease congestion.
- Improved driver awareness to reduce roadworker abuse and complaints.

But it's not just about messaging. SRL's VMS also includes a suite of intelligent analytics:

- TomTom and National Highways NTIS Journey Time data for accurate traffic insights.
- Radar-based data collection with free downloadable reports.
- Optional web-based control system for remote access and message scheduling.

Together, Urban64 and Smart Messenger VMS offer a connected, responsive solution.



Urban64®

Replicate all permanent
signal functionality.

For more information about Urban64,
Visit srltraffic.ie or call us on **01-5384971**

