

Plus+ Advantage: Temporary to permanent installation

Product Datasheet

YUNEX TRAFFIC

Overview

The installation of a signalised traffic intersection often requires civil engineering works, which in turn require lane closures and the use of temporary signals. These temporary schemes can add significant cost and complexity to signal installations, extend project times and of course cause disruption to road users and pedestrians, with the resulting congestion having an impact on air quality.

Furthermore, temporary signals can be extremely challenging to operate as part of an existing traffic network, particularly where a UTC (Urban Traffic Control (UTC) system operates. This will often require an overly complex and costly temporary solution to be designed and deployed if network performance is to be maintained throughout the project.

To minimise this disruption and provide a cost-effective alternative to increasingly complex temporary signalling, Yunex Traffic has developed a new approach for the deployment of traffic signals during site installation.

How we help?

Plus⁺ Advantage utilises Plus⁺ technology intended for use in the final permanent installation earlier in the scheme construction acting as a temporary traffic control system.

Because Plus⁺ uses a small number of two pair feeder cables to support an entire junction, temporary phases can easily be accommodated as part of the installation of the final permanent solution, with cables often using existing ducting around a junction. This completely removes the need for overhead cables or wireless battery powered signals and rental of temporary equipment.

Solution Features

- Use of the final permanent Plus⁺ equipment as a temporary traffic management solution during construction
- Uses the final Plus⁺ controller installed in its final position during the temporary phases
- Utilises existing ducting where possible with limited cabling to provide a temporary solution alongside the existing infrastructure
- Due to the nature of the Plus⁺ system, signal heads and equipment can be moved from the temporary positions to permanent positions live in service

Solution Benfits

- Can significantly reduce the cost of traffic management as part scheme implementation especially when compared to temporary signals connected to UTC
- Does not require rental of equipment as the purchased Plus⁺ equipment is utilised earlier in the scheme
- Uses a TOPAS 2500 certified system providing full functionality and fault monitoring

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