



Cloud-based Technology



design | manufacture | install | maintain

Cloud-based technology, and the level of connectivity between systems it allows, is vital in making the road a safer place for both drivers and pedestrians.

COEVAL

Intelligent illumination

High-Calibre LED Road Signs & Traffic Control Systems



Cloud Technology: Connectivity for safer roads

Cloud-based technology is constantly evolving, improving and becoming ever more useful and commonplace in a multitude of industries. It enables access to information, systems and resources with minimal effort on the user's part, but maximum info on output and information.

As the demand for better control and connectivity increases, many of Coeval's systems today offer cloud technology. This opens up multiple operating functions when it comes to managing Vehicle Activated Signs (VAS), Speeding Drivers, Schools signs and multi-junction traffic control systems.

Coeval's cloud-based sign technology offers flexibility; in day-to-day operation, for example, sign operators can warn of sporadic hazards. One such case would be a farmer who needs to herd their cattle over a road; the farmer can activate a warning with a hand-held transmitter, sending the signal to a sign 225 yards away to alert incoming drivers of the hazard. The drivers then have plenty of notice to slow down and be cautious.

The flexibility afforded by cloud-based technology is bolstered by its ability to gather and communicate important data. Information such as average speeds can be captured, enabling users to adjust signs based on the statistics. Teachers, for example, can change and manage timings on schools' signs depending on seasonal activities, helping to prevent road accidents involving schoolchildren.

Some of the Cloud's Display Parameters

- Temperature Monitoring
- LED error Fault reporting
- Battery and Solar Monitoring
- Brightness Control
- Timer events
- GPRS or 3G events
- Communication events
- Data collection
- GPS events

The availability of cloud technology for our high-calibre LED road signs even allows users to operate signs with various platforms of communication such as:

Ethernet, Bluetooth, GSM/3G, RS-232 and RS-485

With such technology available, users can manage traffic systems through their desktop PC or tablet. In other words, they can work remotely or office-based depending on their role and circumstances.

Coeval recognises the importance in enhancing traffic networks with new technology that makes communication simpler – the ultimate objective, however, is to make our roads and highways a safer place to travel and operate in daily.