GridLight™ TravelTime

Measuring travel time from street cabinets and traffic metering stations

amplex

Expand GridLight™ with travel time monitoring

A thorough understanding of how the traffic moves through a city is essential in facilitating the work for both politicians and traffic planners. Many cities have already implemented GridLight™ for handling their streetlight control, and with GridLight™ TravelTime the solution can easily be expanded with the measurement of driving time.

The solution is easy to implement if you already use Amplex AmsCPU/AmsCPU-IO modules. Simply insert an Amplex Bluetooth Traffic Sensor into the USB port of the Amplex module and mount an antenna. Amplex installs the necessary software. The solution runs on the existing GridLight™ platform. Quick and easy.

With the information that is collected, the traffic planner can extract precise statistical real-time information about how long it takes for a car to drive a route that passes a number of selected measurement stations. This can form the basis for traffic signs or be used to optimize city traffic.

The information can also be made available to traffic planning systems, either as historical data or with real-time integration through the open GridLight™ APIs.

Here are some of the benefits the platform offers:

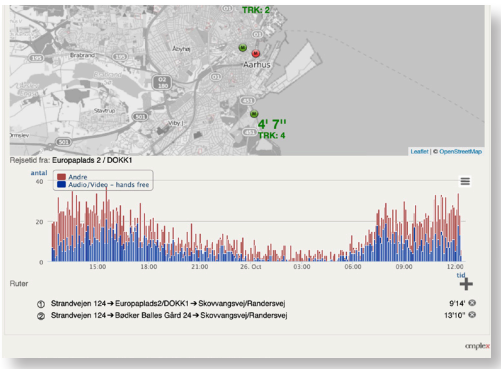
- Can be easily installed on existing GridLight™ streetlight solutions or as a new installation dedicated to traffic monitoring.
- Gathers data for start and end destination analysis.
- Time comparison of different routes in real time.
- Improves traffic flow and thus limits CO_2 emissions
- Finds bottlenecks and areas with the most severe traffic problems so they can be resolved
- Can be used for permanent and temporary traffic surveillance.
- Affordable compared to other market solutions.
- Fast Return On Investment (ROI).

Amplex References

Amplex has been controlling street lights since 2001 and has references worldwide under all conceivable climate conditions.

GridLight™ is by far the most used streetlight management system and today controls millions of lamps in more than 22 countries.

Projects range from complete cities to whole countries and include state roads, ports, cities as well as utilities.



GridLight™ TravelTime provides a quick overview of traffic for one or more routes through the city.

Sensors and Safety

The sensors in the street cabinets collect Bluetooth data from multimedia systems and cell phones in passing cars.

The sensors provide information in the form of a location, time, and a unique ID – a MAC address – which GridLight™ TravelTime anonymizes and encrypts to comply with the current EU regulations (Article 29, WP185-5.5).

Everything is handled so that data can not be traced back to the individual car or person.

amplex

Bødker Balles Gård 24 · 8000 Aarhus C · Denmark
Phone +45 7199 2525 · Email: info@amplex.dk
www.amplex.dk