Smart Community Solutions
Traffic Sensing

Enhancing Street Safety by Providing Traffic Data to Optimize Lighting Schedules and Inform Traffic Planning

Landis+Gyr's Smart Community Solutions Traffic Sensing enables our customers to use the street light controller as a sensor to gain insight into traffic patterns for more effective planning. This radar-based system provides the vehicle and pedestrian traffic count and speed data to take advantage of the solution's scheduling features, producing 40 - 60% in street light energy savings. Using the traffic data, lighting is operated at a lower output (i.e. 30%) until periods when data shows traffic is present. Then, lights are raised to target output level (i.e. 100%), ensuring vehicles and pedestrians are operating under safe lighting conditions. Keeping the system in a lower-output state until needed also allows LEDs to operate in a cooler condition, thereby extending asset life.

Landis+Gyr's Traffic Sensing also provides a significant source of traffic mapping data for purposes of city traffic planning and outcome assessment. The same data can be used to feed long-term traffic analysis for planning road maintenance that will represent the least disruption and greatest effect.

ENHANCED SAFETY FEATURES

- Ensure adaptive lighting/scheduling is optimized for public safety based on actual traffic patterns
- Inform/track impacts of traffic planning for optimal outcomes

IMPROVED OPERATIONAL & ENERGY EFFICIENCIES

- Maximize energy savings within local lighting guidelines without compromising public safety
- Data analysts available to help interpret data, make lighting recommendations

COMPONENTS

- Landis+Gyr street light controller with integrated Network Node
- Command Center 7.1 MR3 or later
- Smart Community Center Software

ENHANCED SAFETY FEATURES

IMPROVED OPERATIONAL & ENERGY EFFICIENCIES

COMPONENTS

Landis+Gyr
manage energy better