

## A united vision on smart street lighting

**In Rogaland, Norway, 18,000 connected LED street lights, which are managed and controlled by Interact City software, have been installed across eleven municipalities as part of a two-year plan to become a smart municipality.**

**“Being able to control each individual light point is a very valuable feature. We can turn up the brightness in a neighborhood where more light is required, and we can turn it down in other areas when not needed.”**

Jarl Hoogstad, Product Manager for road and street lighting at Lyse Elnett

### Customer challenge

Eleven towns in the Rogaland region came together in a united effort to upgrade their city infrastructure and enable smart technologies to improve life for their citizens. The recently installed connected LED street lighting is just the first step in a two-year plan to roll out smart technologies, including sensors and other connected devices. The region’s goals are to improve operational efficiency, reduce costs and improve the livability for citizens.

### Solution

Lyse Elnett, an industrial company owned by the municipalities in Rogaland, initiated this large-scale road and street lighting upgrade and is managing the project.

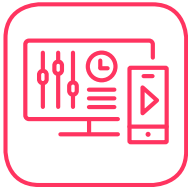
“Stavanger municipality wanted to expand the project to include upgrading park lighting as well as street lighting. The park lighting is controlled via Interact City in the same way as the street lighting,” says Jarl Hoogstad, Product Manager at Lyse Elnett.

The solution offers great benefits to both users and operators. Interact City is easy to operate via a centralized dashboard at Lyse Elnett or locally at each of the municipalities.

## Interact - making it happen

Interact City Scene management software offers Rogaland's municipalities simple and shared control over a large number of light points. Authorized users can manage individual lights or create zones, increasing brightness in certain neighborhoods while dimming in areas that are not in use. Lighting asset management software provides an interactive map that shows the location and status of all the network's light points.

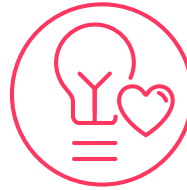
The system also sends an immediate error message in case of a lighting fault, ensuring a quick and accurate maintenance response. The municipalities are also thinking ahead. With an open systems approach, Interact City is scalable and future ready for new IoT applications enabled by sensors and other smart city functionality.



### Interact City Scene management

Remotely adapt city lighting to time of day, season, or context. Turn lighting up if there's a traffic accident or crime. Dim

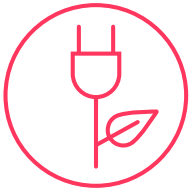
to 30% when the streets are empty late at night. Interact City gives you the right light in the right place at the right time.



### Increased feeling of safety

The light from smart LED lighting fixtures enhances the sense of well-being and safety for residents and plays a part in

ensuring that more citizens use the public spaces in the eleven towns and cities.



### Energy savings with LED lighting

The new LED lighting systems is estimated to generate energy savings of up to 70% compared to conventional lighting systems.



### Operational efficiency

Long-life LED is low maintenance and as a result, helps the municipality reduce costs. Interact City software provides information about

operating time and energy consumption, helping officials monitor and track lighting performance and energy usage efficiently and cost-effectively.

## Project details

- The new lighting is estimated to generate energy savings of up to 70% compared to conventional lighting systems.
- Implementation of 18,000 connected street lights across 11 municipalities is one of Norway's largest street lighting projects.

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