



**PHILIPS**

Public lighting

Knittelfeld, Austria



# Growing efficiency, shrinking costs

Knittelfeld's CityTouch installation is providing increased energy efficiencies, better light quality and a sense of safety



A nighttime photograph of a street in Knittelfeld, Austria. The scene is illuminated by modern streetlights, with a bright light source in the upper left creating a starburst effect. Several cars are parked along the left side of the road. In the background, there are buildings, including a prominent yellow one, and a dark, forested mountain range under a clear night sky.

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**When we decided that it was necessary to upgrade Knittelfeld's street lighting, Philips completely won us over with the CityTouch street lighting management system. We're proud to be the first municipality in Styria with an innovative lighting system like this.”**

Gerald Schmid, Mayor of Knittelfeld

## **How did Knittelfeld make its street lighting smart?**

As part of Knittelfeld's commitment to urban development, the municipality needed to upgrade its street lighting. Two-thousand light points would need to be upgraded as part of this ambitious project.

The authorities set out three primary objectives for the renewed lighting system:

- Improving safety for vehicular traffic and the public
- Increasing energy savings
- Simple management of day-to-day street lighting operations

## **Philips connected lighting**

The renewal, in which inefficient high-pressure mercury-vapor luminaires were replaced with energy-saving LED luminaires, targeted 2,000 light points:

- 200 Luma luminaires were installed
- 1,800 Stela luminaires were coordinated and entered to the system via a PC

The Luma luminaires automatically locate themselves, followed by an automatic commissioning process. The Stela luminaires can be activated whenever their data is required. These CityTouch Ready luminaires are truly plug-and-play solutions.

## Streamlined maintenance

As soon as a CityTouch Ready luminaire connects to the CityTouch back-end, it's ready for operation. Once integrated, people like Harald Bergman (Knittelfeld's Head of Public Lighting) can track their luminaires' performance, and adjust lighting levels almost instantly. He can even generate maintenance and fault reports.

Performing management tasks through a user-friendly interface saves a lot of time and even more in costs. The luminaires relay close to real-time performance data, such as lighting levels and energy consumption. With the user-friendly CityTouch connect app, each luminaire can be managed individually or in groups to perform close to real-time or prescheduled actions.

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**Our lighting is so innovative and efficient that we've managed to save 20% on investment and cut energy costs by 80%.”**

Gerald Schmid,  
Mayor of Knittelfeld



## Energy efficiency

The municipality's energy efficiency has been improved to the tune of an 80% reduction in costs and an impressive 20% savings on investment, all while improving their public lighting network's ease of use.



## Improved feeling of safety

Knittelfeld is much better lit than before thanks to the high-quality LED luminaires and their ability to notify the CityTouch system of any failures or outages. Now, people feel safer on the roads and streets after dark.



## Operational efficiency

Today, Knittelfeld can measure, manage and monitor all connected street lights securely and remotely through a user-friendly interface. CityTouch has greatly simplified the operation of Knittelfeld's public lighting management.



## Openness

CityTouch is an open system, so that third-party software can be integrated seamlessly in the future. This gives Knittelfeld enormous potential for further improvements to its urban infrastructure, and the ability to easily scale up or scale down its street lighting system as and when required.

