



**PHILIPS**

Public lighting

Gaiserwald municipality

# A shining example of a sustainably-designed city

See how IBG Engineering in Gaiserwald, Switzerland is implementing an intelligent LED lighting concept with CityTouch



# The right amount of light

## The challenge

What if street lighting could play an active role in local life while it also saved energy? What if each luminaire consistently produced precisely the right amount of light necessary for good visibility and an improved feeling of safety? And what if they could accomplish this no matter the time of day or the city's needs - from early evening to the middle of the night, during a public holiday or a lively street party? For IBG, the only right lighting solution for the municipality of Gaiserwald was one that could meet all of these needs.

As one of the leading consultancy firms for electrical engineering in north-eastern Switzerland, IBG spearheaded Gaiserwald's lighting transformation by using trend-setting, sustainable and energy-efficient LED technology. They also opted to take things to the next level by implementing a user-friendly management system for all of the city's luminaires that includes extensive automation for maximum energy efficiency. And because Gaiserwald was already -certified in 2002 for its energy efficiency by the Swiss Energy Town Association („Trägerverein Energiestadt“), the IBG's choices for the city were perfectly in line with the municipality's environmental-friendly focus.

## The solution

IBG and Gaiserwald's council met with ELEKTRON - our experienced Swiss distribution partner - to discuss their aspirations for an adequate solution with optimal cost effectiveness. They quickly found one in our modern lighting management system CityTouch. With its innovative technology, this pioneering urban lighting system is a versatile, long-term investment since it allows luminaires to be replaced in stages.

IBG's Street Lighting Project Manager, Jürgen Heber, enthusiastically adopted the new system for two reasons; first, ELEKTRON provided active support throughout the integration process by offering dependable solutions for any of his requirements. And secondly, Heber appreciates CityTouch's user-friendly interface, allowing him to manage „his“ new LED luminaires directly from his desk - online and without additional software or the need for substantial training.



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With CityTouch, we're giving our customers **pioneering technology, sustainability, and excellent cost-effectiveness in one package.**”

**Jürgen Heber**  
Street Lighting Project Manager  
IBG B. Graf AG Engineering

## How has the CityTouch system improved Gaiserwald's operations?

Previously, the municipality would switch off every other sodium vapor lamp on certain streets during times of the day when less light was needed. The city simply accepted that light distribution would be uneven. Today, individual luminaires, and even entire streets, can be dimmed automatically with the click of a mouse - or even turned up to full power round the clock for security reasons. And there's a special lighting calendar for major events such as town festivals.

## But what happens if a luminaire malfunctions?

The solution is simple. Any light point connected to the CityTouch system immediately reports any problems via email as well as automatically communicates its technical data, nominal service time, and energy consumption. And that means that Jürgen Heber can rest assured that everything's running smoothly in Gaiserwald - and that every LED luminaire is saving as much as 60% more energy than the municipality's former sodium lamps.

The first 100 intelligent luminaires, including the Luma Mini, the Luma 1, and the TownGuide types, are already in use and the municipality is looking forward to upgrading the rest of their luminaires in the near future.



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