interact City

Greater efficiency and reduced costs with Interact City

As part of Knittelfeld's commitment to urban development, the municipality undertook an ambitious project involving the upgrade of 2,000 light points to LED, controlled remotely via Interact City software.

Customer challenge

Before renewing its street lighting system, Knittelfeld set out three primary objectives: improve road safety, save energy and simplify the day-to-day management of lighting operations. The municipality needed a public lighting system capable of measuring, managing and monitoring all connected street lighting from a virtual map-based view in close to real-time. In addition, the system needed to run securely and remotely on a standard web browser via their existing network.

Solution

As part of this ambitious project, 2,000 inefficient high-pressure mercury-vapor luminaires were replaced with energy-saving LEDs and connected to the city's IT system via Interact City software. Interact City Lighting asset management software enables the new luminaires to automatically locate and commission themselves, as well as transmit data about their status. As soon as the LED luminaires are integrated with the software, users can track the luminaires' performance and adjust street lighting levels almost instantly via a centralized dashboard. In addition, Interact City Scene management software enables each luminaire to be managed individually or in groups to perform close to real-time or prescheduled actions. The intuitive Interact City interface makes performing management tasks easy and convenient.

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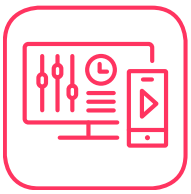
"Our lighting is so innovative and efficient that we've managed to save 20% on total cost of ownership and cut energy costs by 80%."

Gerald Schmid, Mayor of Knittelfeld

Interact - making it happen

The connected luminaires relay performance data, including lighting levels and energy consumption. This data can be used to gain insights into the city's lighting infrastructure. Maintenance and fault reports can be generated to provide a historical view of lighting performance, allowing the city to adjust the lighting as needed, and plan maintenance tasks to avoid downtime. Additionally, the system's automatic fault detection lets users know where an outage has occurred so that maintenance crews can be dispatched quickly, reducing downtime and minimizing impact to citizens.



Interact City Scene management

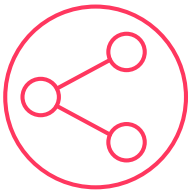
Remotely adapt city lighting to time of night, season, or context. Turn lighting up if there's a traffic accident or crime. Dim to 30% when the streets are empty late at night. Interact City gives you the right light in the right place at the right time.

Increased feeling of safety

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

Operational efficiency

Knittelfeld can now measure, manage and monitor all connected street lights securely and remotely through a user-friendly dashboard. Interact City has greatly simplified the operation of Knittelfeld's public lighting management, improved lighting services for citizens and reduced costs.



Open systems approach

Because it uses an open systems approach, Interact City is scalable and future-ready for new IoT applications and other smart city functionality.

Project details

- Knittelfeld has cut its energy costs by 80%.
- The project replaced inefficient high-pressure mercury-vapor luminaires with 2,000 energy-saving LED luminaires.

Find out how Interact can transform your business

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