



A TOWN FOCUSED ON INNOVATION AND SMART LIGHTING

Neustadt an der Weinstraße - Germany



Neustadt, the 2nd largest wine-growing municipality in Germany

Located in the heart of Germany's Wine Route, on the edge of the Palatinate Forest, **Neustadt an der Weinstraße** combines cultural heritage, renowned vineyards, and quality of life. It is **Germany's second-largest wine-growing municipality**.

Its town center, an architectural gem, is home to one of the few stone buildings in the Palatinate dating from the 13th century, as well as the famous **Hambach Castle**, the cradle of German democracy.

A progressive approach to lighting

An iconic project that includes new paving, upgraded electrical infrastructure, decorative lighting, redesigned street furniture and landscaping through smart control.

The city also wants to emphasize the enhancement of its iconic spaces and the preservation of its heritage and environmental identity. The lighting must support this, without excessive energy consumption or light pollution.



58,000
inhabitants



6,400
luminaires



76%
LEDification rate



150
electrical cabinets

Lighting project challenges



Enhance the city's heritage and preserve the environment with high-quality, energy-efficient decorative lighting.

The installation must provide a true lighting experience, ensuring the right light in the right place at the right time. It includes three distinct applications - public lighting, façade lighting and Christmas lighting - which must be controlled independently.



Improve operational efficiency in order to reduce maintenance trips over a large area.

In a 23 km long sprawling city, maintenance trips can be as long as 10 km between the central workshop and the cabinets. The lack of visibility on breakdowns leads to wasted time and prevents any anticipation of interventions.



Deploy a scalable solution capable of gradually replacing aging technology and extending to the entire city.

The existing ripple control technology must be gradually replaced without disturbing the synchronized switching times of the street lighting over the entire city.





A solution tailored to the city's needs



LX Tegis web platform

Allows independent management of areas with customized control options, such as annual calendars and event-specific programming. It provides precise data to streamline maintenance operations.

TZX Zhaga nodes

Enable individual control of decorative luminaires in key city areas, such as taxi and bus waiting zones, allowing customized lighting scenarios.



Tegis cabinet control units

Ensure monitoring and synchronization of all electrical cabinets through a central master unit.

Facade and Christmas lighting can be managed independently from street lighting.

A phased approach to a long-term lighting vision

The City of Neustadt has a clear vision of its long-term project. They can plan their renovation work according to their available resources and budget. This allows them to move forward at their own pace, without the stress of carrying out a complete renovation all at once.

This first installation phase of the Tegis lighting management system has laid a solid foundation for its future expansion throughout the city.

The LACROIX solution allows us to monitor our lighting fixtures in real time and anticipate failures, while preparing for the transition to centralized city management.

Florian Rosenbaum
Head of Street Lighting



Tegis lighting management, a trusted, reliable solution for all territories



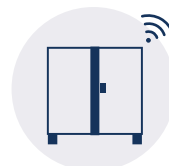
20 years
of expertise in
smart management



Designed and
manufactured in
FRANCE



700,000
light points
remotely controlled



12,000
connected street
lighting cabinets



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