



Case Study

TALQ Compliant Smart City Solution



SpringCT partnered with a leading European smart city platform focused on intelligent lighting and connected devices. The objective was to enhance their platform by achieving TALQ compliance to ensure interoperability with diverse vendor ecosystems in outdoor lighting management.

The existing platform needed to support interoperability with multiple outdoor lighting systems and central management software from various vendors. Without compliance to industry standards, achieving seamless integration and management of these systems posed significant technical challenges.

SpringCT developed a software TALQ Gateway that made the platform TALQ-compliant by aligning it with the TALQ specification and incorporating support for the LwM2M (Lightweight Machine to Machine) protocol. This enabled standardized device configuration, communication, monitoring, and management across vendor systems.

Results

Successfully achieved TALQ compliance for the existing platform, enabled interoperability with multiple lighting system vendors, reduced integration effort and time-to-market for onboarding new devices, and improved operational efficiency through remote monitoring and diagnostics.

Conclusion

SpringCT's technical expertise and modular design approach helped the client transform their smart city platform into a TALQ-compliant solution. This ensured interoperability, scalability, and efficient public infrastructure management, positioning the client as a strong player in the intelligent urban lighting ecosystem.