

Ki. A brand of
Lucy Zodion Ltd.

THE SMARTER WAY TO MANAGE YOUR NETWORK

Helping you deliver cleaner, safer and more
connected places to live, work and visit.

Smarter control. Built around you.

Across the world, cities, towns and private networks are turning to smart technology to transform services, improve operations and use data to deliver better places for people and planet. Yet many lighting and asset systems are clunky, outdated or inflexible – offering limited visibility, no actionable insights, and even less control.

That's where Ki. comes in.

Every street, city and community deserves a connected ecosystem that makes life more efficient – from saving energy to improving the flow of people and vehicles and even delivering cleaner air. **Ki. Gen 3** is the flexible, intelligent platform that puts you in total control over your lighting and asset network, while enabling next-generation connectivity and integration with other smart city technologies.

It works how you need it to work. It grows when you grow. And it's backed by local experts who know what matters on the ground – helping you layer technologies, capture actionable data, and deliver the outcomes that matter to your community.

More than just smart street lighting

Ki. Gen 3 isn't just a platform to control your streetlights and save energy – it's the foundations you need to power a wide range of smart city and IoT applications.

From ports to airports, universities to utilities, **Ki.** gives you the flexibility to manage multiple assets and services from one secure, scalable ecosystem.

And because **Ki.** supports both LoRaWAN and NB-IoT, or even a combination of both on the same network, you have the freedom to connect the way that works best for your project. That means you can start with the service that matters most to you – then grow into a network that also supports lighting control, air quality monitoring, water metering, waste management, traffic sensors, and countless other use cases.

Ki. isn't tied to one vendor or one type of device. It's open, interoperable, and TALQ-certified, so it works with your existing assets and lets you add new ones whenever you're ready.



Over
150k



Devices
installed
in the UK



26



Total
Project
installations



Over
20



Cities
covered

Connected places

Ki. is our intelligent platform for smart cities and asset management — combining powerful software with a full suite of hardware options and integrations from trusted partners.

Together, they create connected solutions that help you cut operating costs, reduce carbon and improve services. From intelligent streetlighting to waste management, air quality to winter safety, Ki. gives you the flexibility to build smarter services that make communities cleaner, safer and more sustainable.

Adaptive streetlighting

Lighting that adjusts to people and traffic — brighter when it's busy, dimmer when it's quiet. Safer streets, lower costs, no wasted energy.

Winter maintenance

Stay ahead of winter with sensors that track road temperature, detect snow and ice, and predict when and where gritting is needed — while also monitoring how much grit is left in your bins. Improving safety and reducing costs.

Festive lighting

Control and monitor your decorative lighting with flexible, co-ordinated on/off schedules, all from one platform. Save time, cut costs, and remove the need to manually visit timers on every pole.

Air quality and environmental monitoring

Track air quality in real time, from particulates to pollutants, so you can spot trends early, take action and build healthier communities.

Lantern misalignment

Detect when lanterns are out of alignment due to high winds, component failure, or bracket issues. Spot problems early, reduce light outages, and plan maintenance proactively, without waiting for a public fault report.

School crossings

Create automated "School Zones" with custom calendar profiles for speed signs, beacons, and other street furniture. Reduce speeds, improve safety, and protect pedestrians during busy drop-off and pick-up times.

Smart streetlighting

Monitor and control your entire lighting scheme from one secure platform — giving you the insight to cut costs, improve performance and shape smarter, more sustainable cities.

Heritage lighting

When the lantern design prevents the use of standard NEMA or Zhaga sockets, our Integral Node fits seamlessly inside the pole, delivering full smart control without compromising style.

Feeder pillar monitoring

Monitor and control feeder pillars remotely to spot power issues early, resolve faults faster, and keep your network running smoothly.

Impact and tilt sensing

Receive instant alerts if a column gets knocked over.

Waste management

Optimise waste collection by monitoring bin use in real time — collect when needed, cut unnecessary journeys, and reduce costs.

Highway – gully monitoring

Get instant alerts for blocked drains so you can plan cleaning more efficiently and cut costs.

Why choose Ki. Gen 3?

Our third generation CMS offers even bigger results.



Lower costs. Fast.

Cut energy bills from day one with precise, automated lighting control. Reduce maintenance costs with instant fault alerts, which means fewer site visits.



One network. Endless possibilities.

Ki. is the only CMS that supports both LoRaWAN and NB-IoT – or even a mix of both on the same network. That means you can choose the right connectivity for each location, each project, and each future initiative.



Interoperable by design.

We're a TALQ-certified, fully interoperable, and API and sensor agnostic solution. That means Ki. works with your existing lighting, sensors and infrastructure now – and in the future, including whatever you add next. No vendor lock-in, no starting from scratch.



ELEXON approved.

Our Ki. CMS is officially approved by ELEXON as a Central Management System for unmetered energy consumption declarations. That means it meets the stringent requirements of the Balancing and Settlement Code (BSC), giving local authorities and energy providers confidence that every unit of street lighting energy is monitored and reported accurately.

With Ki., you get real-time data collection and automated reporting, making billing more precise, reducing administration, and supporting your energy efficiency goals.



Better data. Smarter decisions.

Ki. turns every connected asset into a data source – from lighting levels and traffic flow to air quality and water usage, giving you actionable insights to improve services and plan ahead.



Customised to your place.

Every community is different. Ki. lets you set rules, profiles and schedules that match your needs – from school zones to dark-sky policies, events to emergency responses.



Built-in resilience and security.

Hosted on AWS with banking-level encryption, GDPR compliance, and role-based access. Designed for the real world with free over-the-air updates.

Local support that understands you.

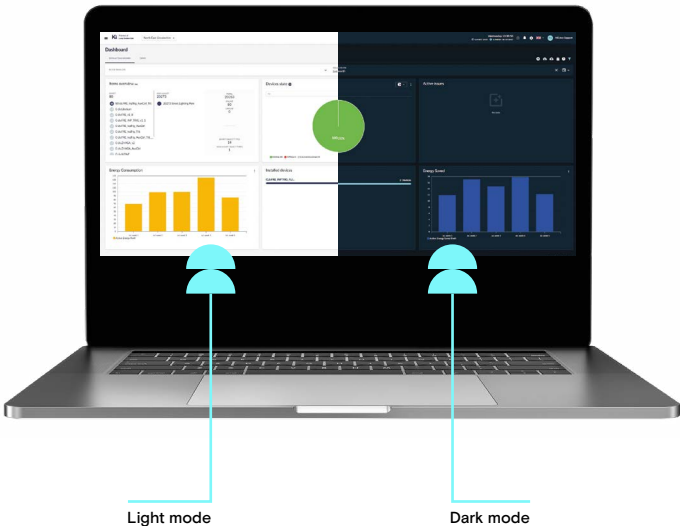
Our UK-based team is with you every step — from planning and setup to training and ongoing optimisation.

The Platform

The heart of your network

Customisable dashboard

Your dashboard, your way. The main landing page gives you a clear, visual snapshot of your network at a glance. Each user can configure their own view, from light or dark mode to our simple ‘drag and drop’ layout, making diagnostics and reporting faster than ever. We believe it’s the most user-friendly interface on the market.



Rules engine

Take control with automation. The rules engine lets you set smart actions based on your needs — so the system works with you, not against you. For example, if roadworks are planned and power will be disrupted, you can block unnecessary alerts during that period, keeping your notifications clear and focused on what matters.

Security

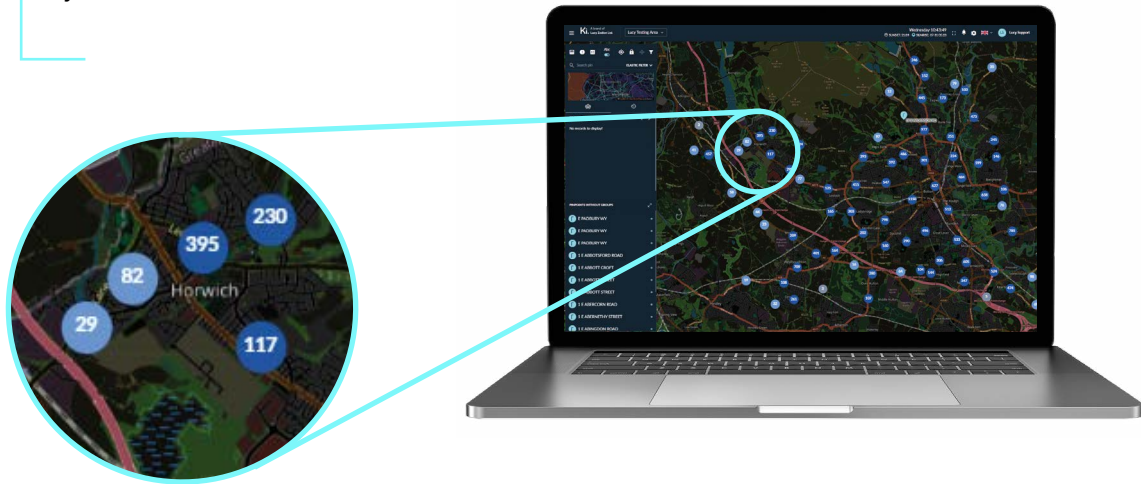
Banking-level protection, built in. The **Ki** platform is hosted on Amazon Web Services, with multi-factor authentication and full GDPR compliance. Role-based access ensures the right people have the right permissions, from view-only users to full administrators, keeping your data safe and your system secure.

365-day calendar

Plan ahead with confidence. The 365-day calendar lets you schedule exceptions to standard lighting profiles in advance: from dark-sky zones and festive displays to school crossings and local events.

Map-based asset management

See everything at a glance. Our intuitive, map-based interface makes managing your assets simple and familiar, just like using Google or Apple Maps. Drag, drop, zoom and click to check status, view details or issue manual commands across your entire network.



Book a demo

We’re so confident that you’ll love our platform and software we want to show you. Register your interest in a 15-minute demo to learn more.

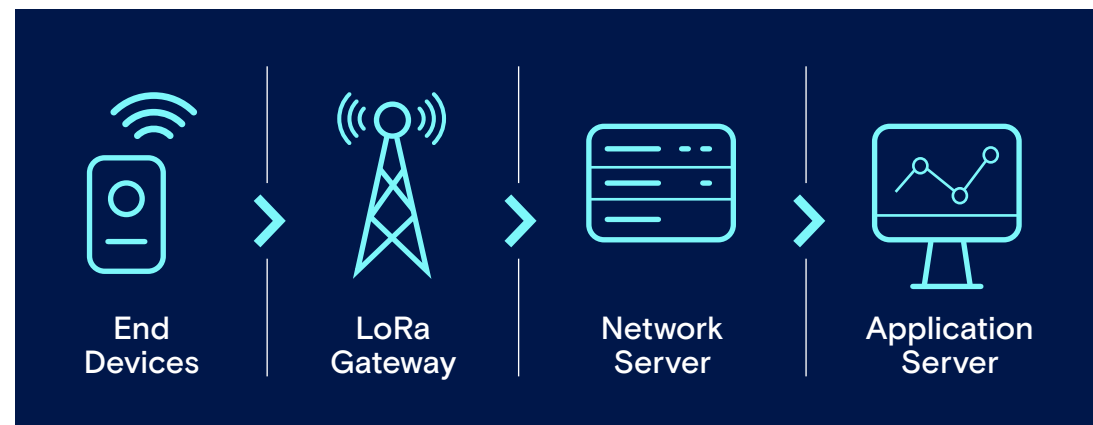


Network options

Ki. can run on LoRaWAN and NB-IoT network protocols, or a mixture of both, giving you the freedom to choose based on your scheme, and project requirements.

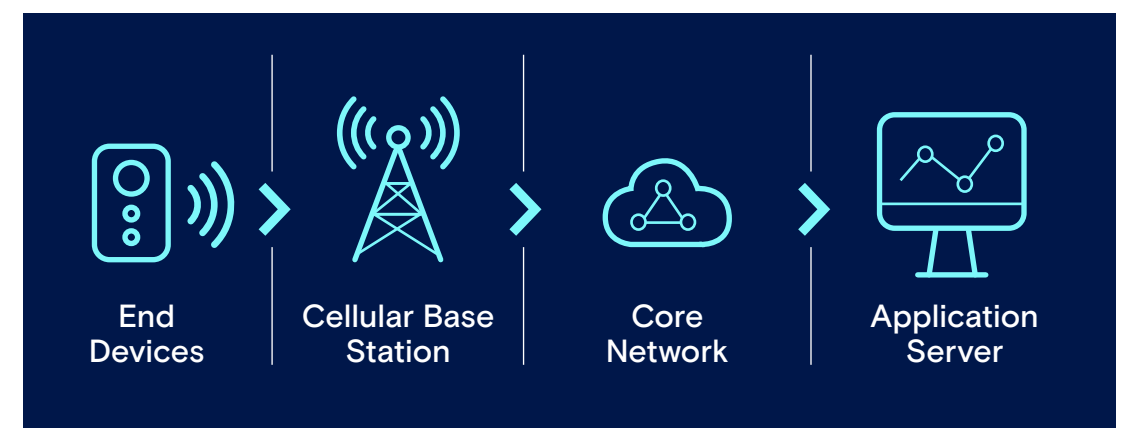


LoRaWAN is a low-power, long-range wireless network that operates over unlicensed radio frequencies. Using gateways to send and receive data across areas of up to 15km, it provides reliable connectivity at scale. LoRaWAN requires the deployment of a network with gateways, but once in place it supports a wide variety of IoT sensors and applications, making it ideal for large-scale, multi-functional smart infrastructure.



NB-IoT (Narrowband Internet of Things) uses existing telecoms networks, eliminating the need for gateways, masts, or base stations. Devices can be installed and connected instantly, as soon as they're powered.

This 'plug-and-play' approach makes NB-IoT especially effective in rural or hard-to-reach areas, where LoRaWAN coverage may be limited.



Hardware options

Ki. works the way you need it to. Our hardware is available in a wide range of options to suit any lighting network — giving you the flexibility to choose what fits best, now and in the future.

NEMA

- NEMA socket, 5/7 pin connection (ANSI C136.41)
- On-board photocell
- GPS optional
- In built accelerometer (Instant alerts if a column is hit or a lantern is not in the correct position due to strong winds or accidents)
- Power failure detection alert
- Over The Air (OTA) firmware updates
- Available in both NB-IoT and LoRaWAN



ZHAGA

- ZHAGA socket (book18)
- On-board photocell
- GPS optional
- In built accelerometer (Instant alerts if a column is hit or a lantern is not in the correct position due to strong winds or accidents)
- Power failure detection alert
- Over The Air (OTA) firmware updates
- Available in both NB-IoT and LoRaWAN



INTEGRAL

- In-pole solution (requires antenna)
- On-board photocell
- GPS optional
- In built accelerometer (Instant alerts if a column is hit or a lantern is not in the correct position due to strong winds or accidents))
- Power failure detection alert
- Over The Air (OTA) firmware updates
- Available in both NB-IoT and LoRaWAN



**Open. Flexible
TALQ certified. Ki.
integrates seamlessly
with a wide range of
third-party sensors
and devices from
trusted partners, from
air quality monitoring
and traffic flow to
waste, drainage
and beyond.**

Using Ki. to cut costs

Aberdeen City Council was one of the first local authorities in Scotland to roll out a large-scale smart street lighting solution, with the help of Lucy Zodion and digital connectivity partner Pinacl. The project saw 3,500 streetlights upgraded to LED and integrated with the Ki. smart city platform, helping the council make substantial energy savings and improve day-to-day maintenance.

By enabling remote control, fault reporting and adaptive lighting schedules, the solution was predicted to reduce annual energy costs from £2 million to less than £800k — a saving of around 60%. Real-time data insights also support more efficient maintenance, enhanced public safety, and a lower carbon footprint.



“We are at the forefront of transforming the digital infrastructure in Aberdeen which will bring benefits not only to the council through savings, but also to residents by being smarter about getting our lights repaired.

World-class connectivity is important in our economic and social ambitions for the city and it’s fantastic that we are one of the first cities in Scotland to install an intelligent lighting system.”

Councillor John Wheeler, Aberdeen City Council

Lighting for dark skies

As part of the Cumbria Dark Skies Festival, Ambleside and Grasmere took part in a community-led “Big Switch Off” — turning off almost 200 streetlights to reduce energy use and reveal the full brilliance of the night sky. Working in partnership with Cumbria County Council, **Lucy Zodion** supported the event by remotely controlling lighting through its **Ki**. smart city platform.

Every streetlight in the county is managed by **Lucy Zodion** photocells or **Ki**. Nodes — with 1,000 smart units programmed with dimming profiles that allowed for the lights to be safely and efficiently switched off between 8pm and midnight. The initiative demonstrated the potential of smart street lighting to support local sustainability, enhance biodiversity, and reconnect communities with their natural surroundings.

38,000+ streetlights across Cumbria are controlled by **Lucy Zodion** photocells or **Ki**. Nodes — including 1,000 with custom dimming profiles.

“It was great to be involved in such a fantastic initiative... the ability to remotely adapt switching profiles using Ki. gave people the rare chance to enjoy star-filled skies over Ambleside.”

Victor Janecki, Area Sales Manager, Lucy Zodion

Monitoring environmental conditions in Douglas

One of the first integrated air quality projects using our **Ki.** platform is live in Douglas, Isle of Man. Libelium Smart Spot sensors have been installed across the town to monitor real-time environmental conditions, helping the council understand and manage local air quality more effectively.

By integrating seamlessly with **Ki.**, these sensors allow lighting and air quality data to be monitored via a single platform. This connected approach supports more informed decision-making, from tackling pollution in high-traffic areas to planning smarter, cleaner urban spaces.



“By combining lighting control with live environmental monitoring, we’re helping local authorities respond more effectively to urban challenges — and take a proactive approach to building healthier communities.”

John Fox, Managing Director at Lucy Zodion

Dedicated UK support team

More than a helpline. With **Ki.**, you don't just get hardware and software, you get people. Our UK-based team is dedicated to helping you get the most out of your system, every step of the way.

From setup and training to optimisation and maintenance, we work alongside you to keep your scheme running smoothly. Need to configure your platform? Want to boost performance or upskill your team? Our flexible support packages are tailored to your needs, resources and goals.

And because **Ki.** is part of the **Lucy Group**, you also benefit from the strength of a global network, with sister companies like Flashnet specialising in international smart city projects.



Local support with global expertise – so you always get the right people behind your platform.

Ki. Support Tiers



Ki.Start

Smart lighting made simple.

Ki.Start is designed for municipalities or pilot projects beginning their smart lighting journey. It offers essential support services to ensure reliable operation without overwhelming complexity or cost.

Best For:

- Small public lighting or single site commercial schemes with limited budgets
- Pilot or proof of-concept deployments
- Customers who prefer self-service and basic operational oversight



Ki.Flow

Keep your city shining, seamlessly.

Ki.Flow is tailored for cities scaling their smart infrastructure. It introduces proactive monitoring, custom tailored reports, and enhanced responsiveness to ensure smooth operations as complexity grows.

Best For:

- Medium-sized public lighting or commercial schemes
- Customers seeking more responsive and proactive support
- Teams needing regular training and operational insights



Ki.Pulse

Illuminate your city's full potential.

Ki.Pulse is the premium tier for cities with complex infrastructure and high service expectations. It includes strategic support, advanced analytics, and full integration capabilities to drive smart city transformation.

Best For:

- Large public sector lighting schemes, multi-site commercial schemes and large scale estate owners
- Projects with mission-critical infrastructure
- Customers requiring strategic guidance and tailored SLAs
- Cities focused on data-driven decision-making and predictive maintenance

Service	Ki.Start	Ki.Flow	Ki.Pulse
HelpDesk (Business Hours)	●	●	●
Basic Monitoring	●	●	●
Incident Logging & Tracking	●	●	●
Knowledge Base Access	●	●	●
Firmware/Security Updates	●	●	●
Proactive Monitoring & Alerts	○	●	●
Remote Diagnosis	○	●	●
Custom Reporting	○	●	●
Priority Incident Response	○	●	●
Monthly System Health Report	○	●	●
Advanced Analytics & AI Insights	○	○	●
Dedicated Account Manager	○	○	●
Device Commissioning	○	○	●
Section 38/278 Management	○	○	●
Dimming profile & operational Changes	○	○	●
Quarterly Performance Review	○	○	●
Remote Training Session - Installation Teams	Price on Request		
Remote Training Session - Desktop Users	Price on Request		
Onsite Training Session - Installation Teams	Price on Request		
Onsite Training Session - Desktop Users	Price on Request		
API Integration Development	Price on Request		
Software Customization	Price on Request		

Additional Services

Remote Training

A training session hosted on your platform of choice (Teams, Zoom, GoogleMeet). Training sessions can be tailored to your direct requirements.

On-site Training

A face-to-face training session covering all aspects of Ki. CMS.

API Integration Development

Integration services into third party software through API.

Software Customisation

Custom developments and customisations for the Ki. Platform software.



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