

DEMAND MORE THAN JUST LIGHT FROM YOUR STREET LIGHTING



YOUR SMART TERRITORY THANKS TO IMPROVED STREET LIGHTING

Dynamic lighting (detection, depending on traffic density), variable-message signs, festive illuminations, PA systems, market plots, water distribution stations, CCTV cameras...

... are services for citizens and sources of security and functionality for businesses (city centre appeal, quality of service, information) to live the city on a daily basis. Today, each of these services can be connected to the lighting network or operate from their own dedicated power grid. In this context, how can we offer new services to citizens and encourage new uses?

That's the whole point of the smart city, built on an improved street lighting network.

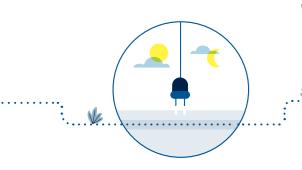
In order to connect third-

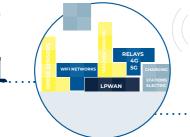
party services to the street lighting network and offer a range of services that are adapted to new urban uses, a **24-hour permanent power supply is essential**. This power supply will be sourced from the street lighting network in your community.

Tomorrow, citizen will be able to access the Internet by connecting to their city's WiFi, or recharge their electric bikes by connecting to a lamp post, as well as benefitting from many other uses that are yet to be imagined.



TEGIS LIGHTING PLUS 24/7 INTELLIGENT STREET LIGHTING MANAGEMENT ECOSYSTEM FOR 24-HOUR OPERATION





- Transform any street lighting network into a permanent supply grid for new services, in a simple manner and without any civil engineering:
- By integrating a Tegis control unit into the street lighting cabinet
- By integrating TNX24 nodes and the TRX associated relay into the candelabra masts

Sustain and adapt your infrastructure to the pace of your changing needs:

Either all cabinets or only few

of them operate 24/7

Intelligent management of public lighting can easily evolve into 24-hour intelligent management of street lighting and associated third-party services

Control and monitor the cabinet, lighting points and third-party services, powered by the street lighting network:

- Remote configuration on the LX Connect interface
- Dimming control at light points DALI
- Third-party services dry contact
- Programming of groups of light points or third-party services independently of power cabinets
- Real-time monitoring of each light point and its associated third-party service
- Fault analysis

Collect and analyse the power consumption of the cabinet, light points and third-party services, powered by the street lighting network:

/-----

ví _____

ví _____

ví ______

√ _____

....V&. .

- Electrical measurements of light points and third-party services in snapshots, daily reporting of consumption indexes for light points and third-party services
- Energy counting
- > Analysis of consumption distribution between light points and third-party services



Our expertise:

years' experience in electrical connection and protection

> нинини ининии пир пли плипии п

years' experience in smart management

STREET LIGHTING. THE KEYSTONE OF YOUR SMART CITY

This network covers the entire territory.

The number of light points is in line with the frequenting of living areas.

The LED revolution represents the 1st step towards energy reductions. We can go even further by introducing smart street lighting.

Renovating lighting infrastructure and making it intelligent is an important driver for operational savings. These savings allow communities to invest in their smart city.

The existing electricity grid serves as a carrier for the distribution of energy, meeting needs in the best way possible: powering communication networks (WiFi, LPWAN, 4G/5G relays), electric charging stations (USB, vehicle, bicycle), noise sensors, pollution sensors, weather sensors... and other applications that are yet to be imagined.

LX CONNECT AN INTUITIVE, ERGONOMIC AND SECURE PLATFORM

- The LX Connect platform is easy to navigate, giving access to the control configuration, monitoring, consumption reporting and installation analysis, from the cabinet to the light points and associated third-party services
- The LX Connect is scalable with a web interface that gives automatic access to the latest features
- A secure environment

CONTROL AND MONITORING OF THIRD-PARTY SERVICES







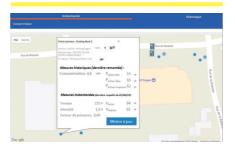
ANALYSIS of groups of light

$\stackrel{\diamond}{\diamond} \quad \diamond$

.

• INSTANT CONSUMPTION for a light point or third-party service

AND DISTRIBUTION OF CONSUMPTION

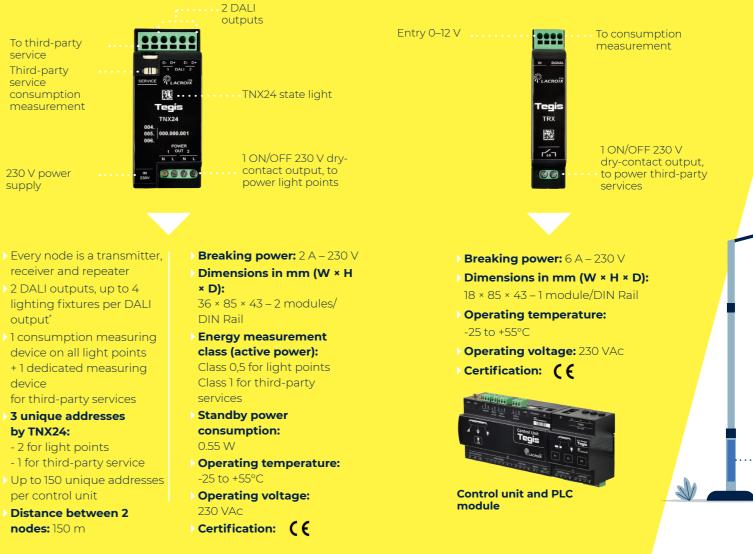




CONSUMPTION
ANALYSIS

of groups of light points and third-party services

TNX24, A COMMUNICATING NODE AND THE ASSOCIATED TRX RELAY NODE



COMPACT 24-HOUR CONFIGURATION, AVAILABLE FOR 4 M MASTS THANKS TO THE CITYPAK, THE JUNCTION BOX THAT IS ENTIRELY DEDICATED TO INTELLIGENT STREET LIGHTING.



CONNECTED TECHNOLOGIES FOR SMARTER MOBILITY



LACROIX - City Street Lighting BU 1 rue de Maupas 69380 LES CHÈRES - FRANCE Tel. +33 (0)478 473 355 info.eclairage-public@lacroix.group

www.lacroixgroup.com



aper from sustainab managed forests.