City Cabinet

City Cabinet is a must have group control solution to safeguard your LED street lighting investment. The smart CPU, which is installed inside the control cabinets (feeder pillar), offers advanced grid monitoring and outdoor group lighting control functions.

With the CPU as the central building block, the cabinet control solution can be easily upgraded by adding optional modules such as earth leakage detector, 3-phase current sensor, connector for authorised energy meter, analogue photocell, overvoltage protector and external relays. It can be used to complement or replace the tone-frequency based lamp switching.

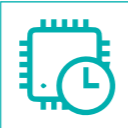You can monitor and control all the streetlight cabinets in your city through our centralised streetlight management (CMS) system, accessible via any device with internet connection. Trusted by cities across Europe and Middle-East, this solution is already used to manage over 1 million streetlights.
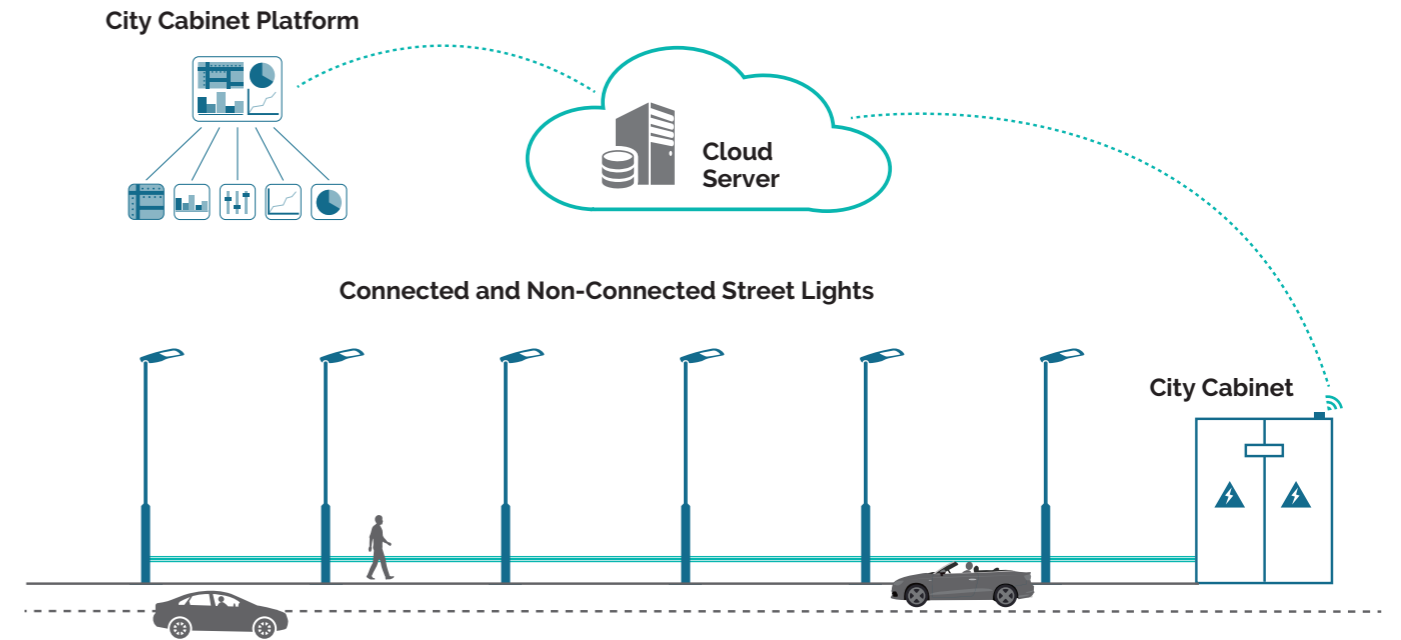
Over 1 million light points managed today

Features

- **Complete burn hour reports, fault monitoring and load balancing functions**

- **Simplified maintenance – through automation, remote control and advanced field tools**

- **Compatible to existing cabinets (feeder pillar) without new cabling**

- **Additional functions, via optional modules, include alarm notifications, power metering, and switching external relays**

- **Detect power failures, cable breakages, leakages, theft detection, etc. using optional modules**

- **Wireless (e.g. GSM/ GPRS) and wired (e.g. fiber optics) communication options**

- **In-built real-time clock to send alarm in case of power failure**

- **A-bus interface (RS-485) to auto-discover all connected optional modules and meters**

- **MODBUS connectivity for authorised smart meters; S0 interface for traditional pulse meters**

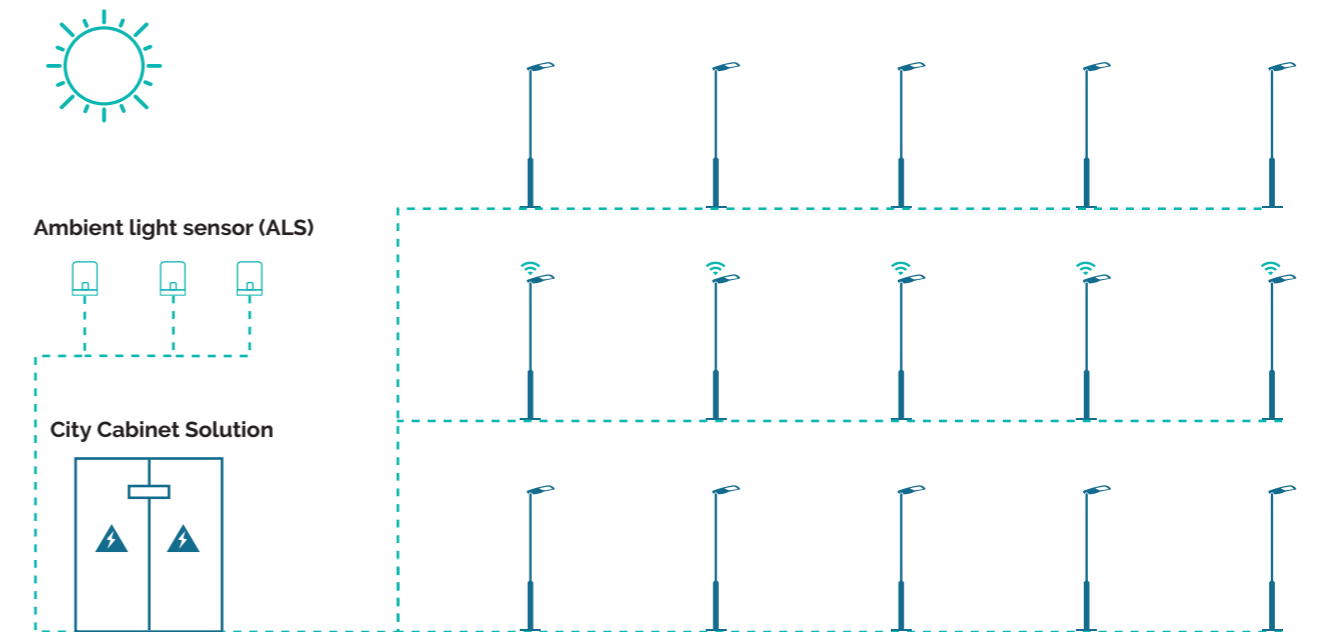- **Switch 3 Phases independently per Phase (via intermediate breaker)**

Benefits

- **Excellent return-on-investment**

- **Easily scalable from small single cabinet to citywide all street cabinets**

- **Complement/replace the 'tone frequency' system to switch the streetlights on or off**

- **Simplify maintenance through automated alarm notifications via email**

City Cabinet Architecture

City Cabinet Platform

Cloud Server

Connected and Non-Connected Street Lights

City Cabinet

Replacement of Tone Frequency signal (ripple control/toonfrequent/rundsteuering)

Ambient light sensor (ALS)

City Cabinet Solution

Open Interface for Smart Meters

Examples of Supported Smart Meters	
Elster	Actaris
Echelon	Iskraemeco
Kamstrup	Larsen & Toubro
Landis+Gyr	Carlo Gavazzi
Circutor	DEIF
FastForward	Hager