SEAK

SMART LIGHTING & INTELLIGENT EV CHARGING INFRASTRUCTURE

www.seakenergetics.com

Powering Smart Cities
Through Existing Infrastructure

COMPANY OVERVIEW

SEAK s.r.o. is a pioneering European technology provider specializing in the development and manufacturing of advanced energy management systems. Founded in Slovakia, SEAK has established itself as an international innovator in smart city infrastructure, uniquely merging Smart Lighting Control and Electric Vehicle (EV) Charging Solutions.

By utilizing existing powerlines for secure low-speed data transmission and intelligent power distribution, SEAK eliminates the primary roadblocks to municipal and commercial sustainability upgrades — reducing installation costs and deployment times.

900 000+
controlled luminaires worldwide

20+
countries worldwide

Proven project
Europe and beyond

CORE TECHNOLOGY & INNOVATION

SMART PUBLIC & COMMERCIAL LIGHTING

Centralized control systems that dynamically dim, monitor, and optimize energy consumption for indoor industrial facilities and outdoor municipal streetlights.

ELECTRIC VEHICLE CHARGING

SEAK's flagship innovation builds robust EV charging stations directly into existing lampposts. This turns street lighting networks into massive, overnight charging hubs without digging up city streets.

SMART LOAD BALANCING

SEAK's hardware features dynamic multi-level versatile load management. It continuously monitors the grid to safely maximize power delivery based on the real-time consumption limits of the surrounding infrastructure.

KEY HIGHLIGHTS

- ✓ R&D focus on innovative energy provider
- ✓ Reliable and modern products
- ✓ Quality and enviroment standards

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Lighting control for SMART CITY

Simple electricity savings

SEAK

Compatibility

Any luminaire (LED, HID or HPS) can be managed by SEAK over existing powerline.

IoT & EV charger

Besides lighting, SEAK controls provide connectivity also for electric vehicle chargers and other IoT devices.

Remote control

With our user-friendly software you get access to full city lighting management and complete view of your lighting infrastructure.

Great ROI for smart cities

Save 40% of energy with automated smart dimming schedules. Also after changing to LED.

Dimming schedule

Define pre-set dimming schedules, automatically adjusted based on astronomical sunset/sunrise with a click of your mouse.

Automated notification

Receive messages of faults concerning your city lighting via email or SMS. Detect vandalism or power theft.

Energy measurements

Know exactly how much you spend on your lighting.

Lifespan

Dimming prolongs the lifespan of your LED lamps.

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