Self-Management Public Street Light System

IDTOLÚ
CONNECT & TRANSFORM

A Smart & Sustainable Urban Lighting Solution
*Revolutionizing Public Lighting with AI & IoT*
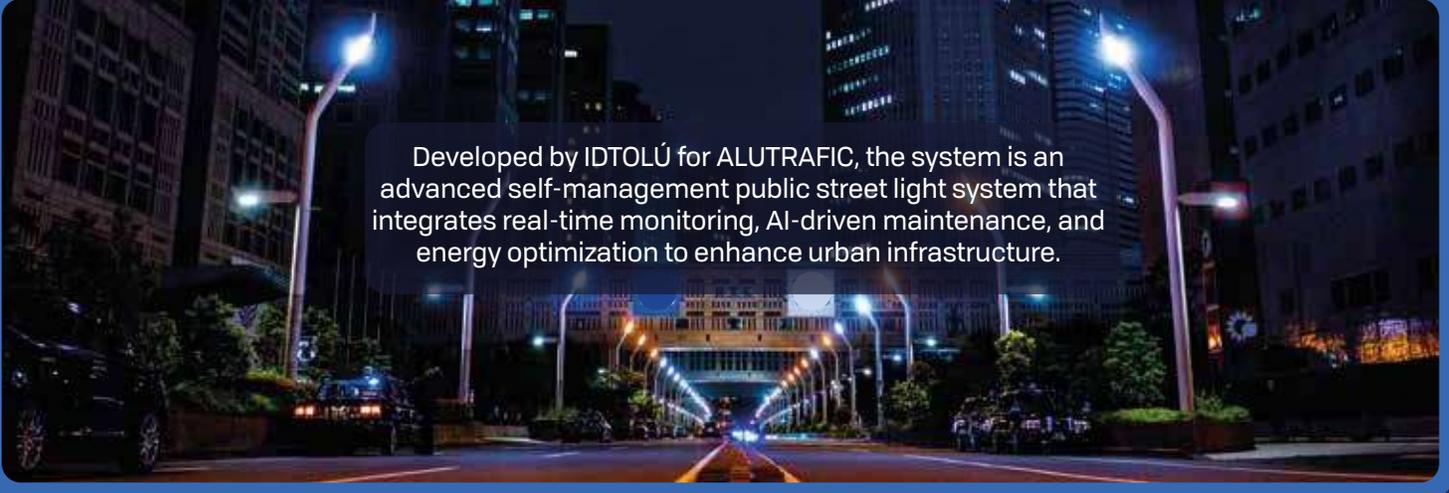
Developed by IDTOLÚ for ALUTRAFIC, the system is an advanced self-management public street light system that integrates real-time monitoring, AI-driven maintenance, and energy optimization to enhance urban infrastructure.

Key Features

Smart & Adaptive Lighting

- **Automated brightness control** based on ambient lighting conditions.
- **Energy-efficient LED operation** to reduce consumption and extend lifespan.
- **Remote management** to optimize performance and ensure continuous operation.
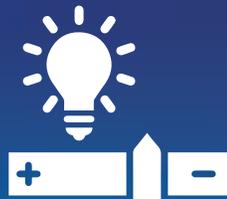
AI-Driven Predictive Maintenance

- **Self-diagnosing LED health** for proactive failure detection.
- **Real-time monitoring** of voltage (80V-275V) and energy consumption.
- **Automated alerts** for system malfunctions and performance optimization.

Wireless IoT Connectivity

- Remote management via **Wi-Fi, LoRaWAN, or other IoT communication protocols.**
- Control dashboard for **centralized monitoring & analytics.**
- **Over-the-air** updates for continuous system improvements. operation.

Why Choose Us?

- Reduces energy consumption & operational costs
- Minimizes downtime with predictive maintenance
- Enhances infrastructure resilience
- Provides real-time, AI-driven insights
- Scalable for cities, highways & industrial parks

Transform Urban Lighting with Intelligent Automation!

Get In Touch

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Innovate. Automate. Sustain.
IDTOLÚ – Smart Solutions for a Smarter World.