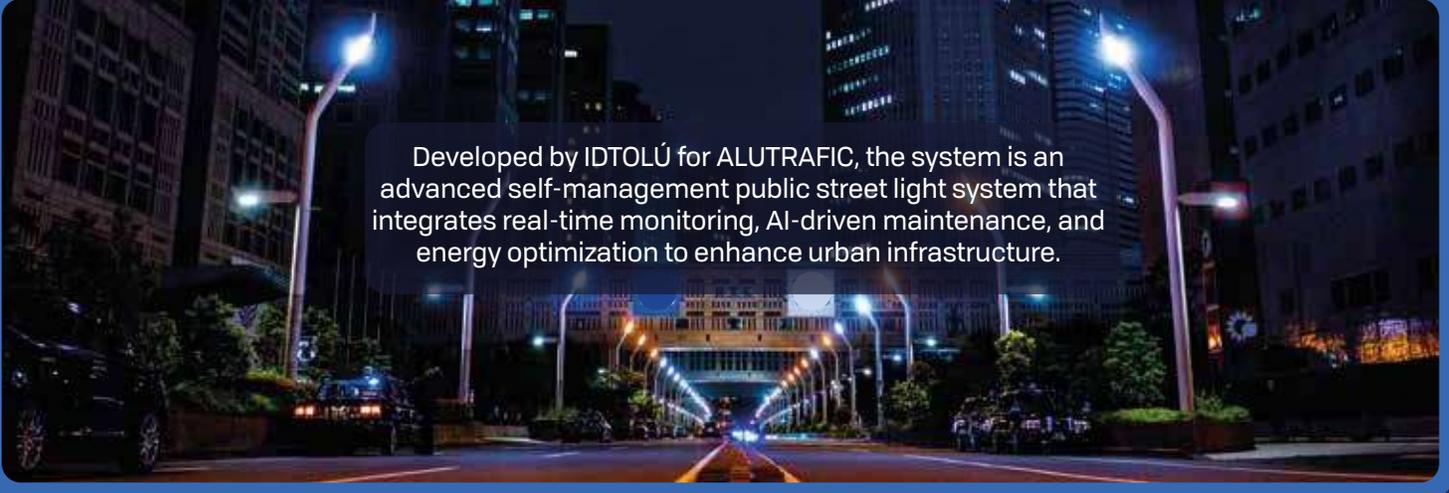


Self-Management Public Street Light System

*A Smart & Sustainable Urban Lighting Solution
Revolutionizing Public Lighting with AI & IoT*

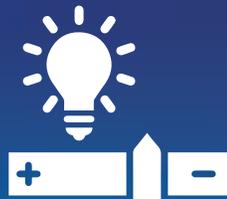


Developed by IDTOLÚ for ALUTRAFIC, the system is an advanced self-management public street light system that integrates real-time monitoring, AI-driven maintenance, and energy optimization to enhance urban infrastructure.

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.

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