

SHOWCASE

Green Dalian: lighting a New Engine for Urban Renewal

Dalian, China



With the implementation of urban renewal projects in major cities across China, cities are actively exploring urban renewal models to enhance regional spatial value. The Dalian City Landscape Lighting (Phase I) Project has emerged as an important initiative that fully showcases Dalian's urban charm and sustainable development philosophy. Spanning a total length of 16 kilometers, the project covers 168 structures and over 450 buildings. Leveraging cutting-edge technologies such as energy storage and 5G, it adopts a "Green Electricity Lights Up Dalian" approach by integrating high-efficiency lighting equipment with energy storage systems to reduce traditional energy consumption. As a key product supplier, Traxon e:cue aligns with the project's vision, enhancing Dalian's brilliance.

Romantic Dalian: A Cultural and Technological Landmark

Dalian, a major port and financial hub in northern China, is also known as the "City of Romance." The Green Dalian Project has consistently implemented the "Green Electricity Lights Up Dalian" initiative since its inception. Focusing on three key aspects – lighting modes, product selection, and natural landscape integration – the project creates a romantic "Starry Sea Illuminating the Night Sky" ambiance in Xinghai District. The design employs customized dynamic pixel lights from OSRAM (a brand under Traxon e:cue). In performance mode, these lights interact with surrounding buildings and the Xinghai Bay Bridge illumination, creating a starry urban tapestry that enhances the city's graceful charm.

These dynamic pixel lights feature high energy efficiency, scenario customization, strong compatibility, quick installation, and convenient maintenance. Leveraging Traxon e:cue's robust product supply chain system, these lights can be customized for different projects and architectural structures with precision down to multiple dimensions like the number of mid-points in light strings and pixel spacing. By integrating lighting control, natural landscapes, and cultural elements, the project pioneers a large-scale urban light show with a technology-driven fashion theme—an innovative display format in China.

Green in the City: Technological Innovation in Urban Gateways

The Dalian City Landscape Lighting Project blends green energy, fashion design, and smart technology, enhancing the city's nightscape and setting new standards for urban renewal. Dalian's success stems from innovative design and advanced lighting technologies. A key highlight is the intelligent control system used in the Dalian Ganjingzi District Lighting Enhancement (Phase I) Project. Located in central Dalian, the project strengthens citywide connectivity and economic growth. Designed with a "one horizontal, one vertical, one belt, three zones" layout, it emphasizes the city's gateway identity.

The "smart brain" behind this lighting upgrade is Traxon e:cue's SYMPHO@City control system, an advanced central platform for beyond-lighting management. It enables centralized monitoring and distributed control while integrating with other smart systems like energy, asset, and security management. Urban managers can oversee lighting across different zones via a single platform, improving coordination and efficiency.

Traxon Technologies

For more information, please visit www.traxon-ecue.com

Or email us at information.traxon@traxon-ecue.com

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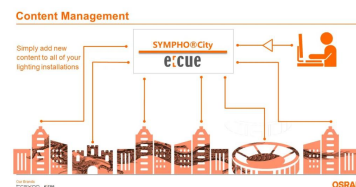
Featured Products



Master Controller LCE



dynamic pixel light



SYMPHO@City

Project Details

Project Name: Dalian Ganjingzi

District Lighting Enhancement

(Phase I) Project

Lighting Design: TORYO International Lighting Design(Beijing) Center Co., Ltd.

Client: Dalian Ganjingzi District Urban Management Bureau

Solution Provider: Traxon e:cue



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