

LEOTEK Helps Memphis Transform the City's Street Lighting System into a Modern, Connected Network of Energy-efficient LED Lights.



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Memphis' streetlight improvement project is a groundbreaking initiative that aims to transform the city's street lighting system into a modern, connected network of energy-efficient LED lights. The upgrade is part of a larger project called "Memphis 3.0," to make the city more sustainable and livable. As a supplier for the project, LEOTEK's involvement could be highlighted as a key factor in the project's success. LEOTEK's high-quality lighting fixtures will help ensure that the new LED streetlights are energy efficient, cost effective, and reliable, providing the city with a lighting system that is both sustainable and functional for decades to come.

The conversion is a major step forward for the city's connected infrastructure. The new LED lighting system will be equipped with cutting-edge sensors, wireless communication networks, and smart lighting controls, granting additional smart city applications. This will allow city officials to quickly respond to maintenance issues, track energy usage, and make adjustments as needed. Data analytics will be used to optimize the performance of the streetlight system and improve overall city planning.

This transformative project exemplifies Memphis' commitment of developing into a green city. The city will see an estimated 55% decrease in electricity usage, leading to less greenhouse gas emissions by more than 26,000 metric tons per year reducing the overall carbon footprint. The energy and maintenance cost savings allow this \$47 million dollar upgrade to pay for itself.

Memphis residents are also experiencing additional benefits to their quality of life. The LED luminaires used in this project provide high-quality, even lighting that improves visibility for drivers and pedestrians alike and can enhance public safety. LEOTEK's luminaires are designed to minimize light trespass, reduce skyglow, and reduce discomfort glare. Additionally, the project created job opportunities in different sectors of the city's economy employing many residents in Memphis and the surrounding neighborhoods during the construction process.