International
Leotek Around the Globe

Project Profile

Founded in California's Silicon Valley in 1992, Leotek has become a leader in street, area and signal lighting products in the USA. From these domestic roots Leotek expanded beyond its borders by becoming a recognized leader in LED Lighting technology, and our products have been selected for a number of world-class international projects.

The Kingdom of Jordan

Jordan, officially the Hashemite Kingdom of Jordan, is situated at the crossroads of Asia, Africa and Europe, within the Levant region on the East Bank of the Jordan River.

Jordan initiated an LED street light conversion project 2016, eventually replacing hundreds of thousands of luminaires.

The project was spearheaded by KBW Investments who was tasked with implementing large-scale LED adoption countrywide and in the Greater Amman Municipality (GAM). KBW Investments partnered with Leotek's international team with the ultimate goal of bringing efficient, transformative technological solutions to the region. Prince Khaled remarked on the initiatives, "With the help of the KBW Investments team in Jordan, after undertaking research into PPP regulations together with Jordanian investment laws the plans were developed as joint undertakings – a first for the country. Introducing the technology itself was one challenge we faced, and another challenge was that each road's varying conditions required specific types of luminaires".

According to KBM, the respective Jordanian governmental entities had high standards of road safety, so to simultaneously meet those requirements while properly addressing the country's topographical diversity, they had to determine the best matches in a multitude of individual scenarios. Leotek's technical team together with Jordanian officials performed site surveys on more than 700 kilometers that promised exceptional results

https://kbw-investments.com/2016/08/03/kbw-investments-sign-two-historic-ppp-bot-agreements-jordan/

Canada

Province of Saskatchewan

The Province of Saskatchewan will update nearly 100,000 streetlights over the next 10 years.

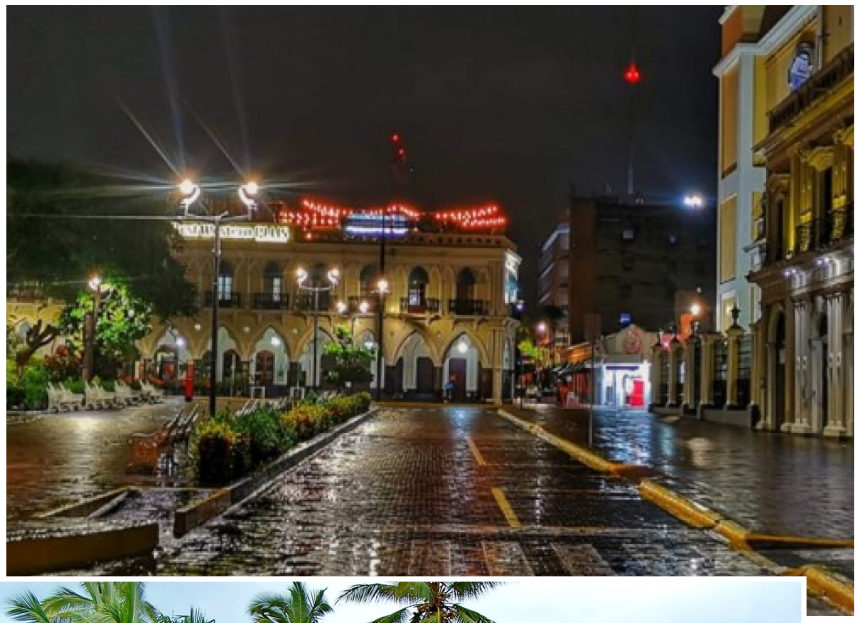
Saskatchewan is a Canadian province that borders the United States to the south. Grassland covers its southern plains, and to the north are the rugged rock of the Canadian Shield plateau, coniferous forests, rivers and lakes. Public lighting in the province is largely owned and serviced by SaskPower, the principal electric utility in the region.

SaskPower is implementing an LED street lighting conversion project that is focusing on 103 towns and cities throughout the province and over the course of 10 years will ultimately replace over 100,000 streetlights.

These 'cobra-head' style streetlights are "dark-sky" compliant by virtue of their cut-off design (no uplight) and warm, 3000 kelvin correlated color temperature (CCT). According to SaskPower, since the luminaires have a long lifespan, it will help reduce streetlight outages and keep the streets brighter and safer for the public.

https://www.saskpower.com/Our-Power-Future/Infrastructure-Projects/Construction-Projects/Current-Projects/LED-Streetlights

Colima,Mexico



Municipal Street Lighting Modernization Project

In 2016 Colima was selected from among thousands of cities around the world to become part of "100 Resilient Cities", a program sponsored by the Rockefeller Foundation and designed to help cities around the world become more resilient to physical, social, and economic shocks and stresses.

Soon after being selected, the municipal government began the task of preparing an agenda for urban resilience with the help of international specialists, citizens, and organizations representing different sectors of society.
One component of this agenda was to promote energy and climate action policies through the adoption of energy efficient strategies, and more specifically, to update the city's street lights. Leotek's Green Cobra luminaires were selected by the Lighting Modernization Project Team for their performance, high efficacy, and reliability. The implementation began in areas needed to be well lit for safety reasons such as popular places frequented at night, such as the city center. According to the resilience strategy, 85% of street lighting would fail each year, leaving different avenues and areas of the city without service for days or even weeks. Beyond the safety benefits, the goal was to save more than 35% per year in energy and reduce green-house gases (GHG)

https://resilientcitiesnetwork.org/networks/colima/

Taiwan

Taoyuan City

Taoyuan City replaced their traditional streetlights with intelligent, energy-efficient LED streetlights from Leotek.

There are over 160,000 streetlights in Taoyuan City, a municipality neighboring New Taipei City. To promote energy saving and carbon reduction, and improve street light maintenance efficiency, and road lighting quality, Taoyuan City replaced their traditional streetlights with intelligent, energy-efficient LED streetlights from Leotek. A smart street light management system automatically reports to the control center when a luminaire fault occurs, so as to facilitate maintenance, reducing the labor cost of night inspections and reporting cases of public faults, and improving the service quality and maintenance management efficiency of street lights.

Part of the project included a concept proposal for a lighting system that detects and judges the reflection state of the road surface through luminance, automatically changing luminaire's configuration according to the weather conditions. The resulting configuration achieves the optimal lighting performance, necessary to improve road safety, reduce the traffic accident rate, and ensure the safety of drivers and passengers. This project was recognized with a 2020 Gold Award, by the Architecture Lighting Institute of Taiwan, a program sponsored Far EasTone (FET), a leader in telecommunications, Liteon Corporation, and the Taoyuan municipal government to jointly create a new look of 'smart city'.

https://sdgs.tycg.gov.tw/en/home.jsp?id=13&parentpath=0,5&mcustomize=announce_view.jsp&dataserno=202009230024

https://magazine.feg.com.tw/magazine/en/magazine_detail.aspx?id=12501