Airport Lighting Project Completed On-Time and Under-Budget.

Situation

The Houston Airport System developed a GESPC with the Texas A&M Engineering Experiment Station (TEES) and CenterPoint Energy to upgrade facilities at the George Bush Intercontinental (IAH) and the William P. Hobby (HOU) Airports. Working with ESCO METCO Engineering, they contracted with ECM's LIT group for the turnkey implementation of this comprehensive lighting retrofit project. It ran during the COVID-19 crisis.

Project

At HOU, the project targeted the three-story terminal, concourse, and connecting Red Garage complex. At IAH, the scope focused on their largest terminal A, and parking garages A, B, & C.

COVID-19 and airport security increased the complexity of planning and installation. ECM performed 14,000 retrofits, with 9,000 new fixtures, 1,500 control systems, & 20,000 lamps.

Airside Areas Included: Security, Baggage, Tunnels, Operations, and Passenger Commons.

Landside Areas Included: Passenger Commons, Offices, Garages, Warehouses, and Operations.
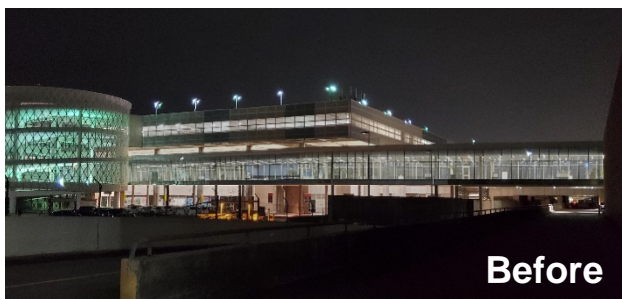
Houston Airport

Project Type:	Lighting
Cost:	$4,500,000
Rebate	$425,303
Energy Savings:	13,870,995 *kWh/year* 1,660 kW/year $725,989 /year
Simple Payback	5.4 years

"Managing security at airports is an extreme task requiring tremendous attention. They did a great job adapting and responding quickly to security requirements with little to no incidents.

ECM-LIT also helped our team seamlessly manage the rebate process, and we easily passed our rebate inspections. This is who I want managing my next project…"

Lee Strickler, PM
METCO Engineering

Before

After

Headquartered in Oshkosh, Wisconsin, ECM Holding Group provides energy conservation technologies and project solutions to major Energy Service Companies (ESCOs) and corporate clients in North America.

LIT is a top provider of design, installation, and customer service excellence in the rapidly changing lighting industry.
For more information, visit the ECM website, *www.ECMHoldingGroup.com*.