



SEPTA

LED Platform Lighting Conversion



The Problem

Southeastern Pennsylvania Transportation Authority was looking to upgrade the T12 Linear Fluorescent Lamps on their underground platforms for their metro Philadelphia Subway system. Their desire was to implement a system that would reduce energy consumption and maintenance costs, as well as improve the lighting conditions on the platforms for passenger comfort and safety.



The Solution

- 80 Watt 8ft T12 Linear Fluorescent Lamps replaced with 30 Watt LED Linear Lamps
- 48 Watt 4ft T12 Linear Fluorescent Lamps replaced with 15 Watt LED Linear Lamps
- 28 Watt 2ft T12 Linear Fluorescent Lamps replaced with 8 Watt LED Linear Lamps



The Results

- Kwh Reduction - 5,281,404
- Lighting Energy Reduction Percentage - 64%
- Annual Maintenance Cost Reduction - \$617,624
- Greenhouse Gas Reduction - 7,218,366 lbs
- Total Lamps Replaced - 13,530



Before & After Pictures



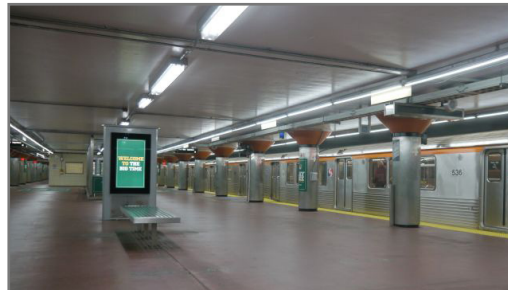
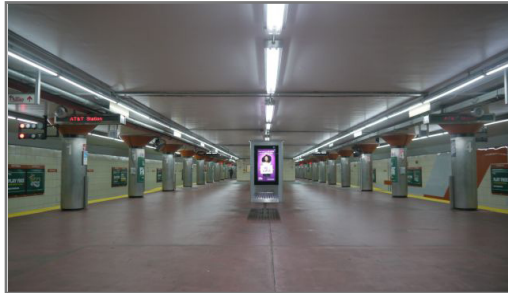
View The Results

Below is a series of pictures of the Subway Platforms where you can see the visual impact of the before and after images of LED conversion. Stouch Lighting helped to increase visibility for SEPTA while reducing their energy costs.



Before

After



Location

Philadelphia, PA

Savings

64% Energy Reduction

Lamps Replaced

13,530 Lamps