

# Waterbury Plating & Paint Company

WATERBURY, CONNECTICUT



Before

After

## SERVICES PROVIDED FOR THIS CLIENT:



BUILDING  
AUTOMATION



SECURITY



LIFE SAFETY



ENERGY  
SOLUTIONS



AUDIO VISUAL



MECHANICAL  
SERVICES

Waterbury Plating & Paint Company is a division of Northeast Metal Works, the largest provider of metal plating, finishing and stamping in the Northeast. The facility is 60,000 square feet and runs three shifts.

## CHALLENGE

It took six months to develop a comprehensive project that addressed all of the opportunities facility wide for energy efficiency improvements. All mechanical systems were thoroughly inspected, and ESC worked closely with management to develop a viable solution that addressed their goals of reducing energy consumption and improving plant performance.

## SOLUTION

Over 260 LED lighting fixtures with occupancy and dimming controls were installed. A total of 23 steam traps were identified and replaced, and a management system was implemented that utilized slate tags to support future inspection and maintenance. Approximately 2,000 linear feet of fiberglass pipe insulation for steam and condensate piping was incorporated, to include the fabrication and installation of 110 removable insulation blankets on steam pipe valves and boiler equipment and PVC jackets on piping located near the plating machines to protect the insulation from corrosive chemicals.

## RESULTS

ESC delivered a turn-key project that secured an Eversource Energy **incentive of nearly \$250,000, which represents 72% of the total project cost and was financed with a low interest energy loan with no capital outlay, which generates net positive cash flow of over \$3,000 a month** that can be used for operating capital. The upgrades will save Waterbury Plating \$64,489 annually on gas and electric expenses and an estimated \$650,000 over the life of the equipment, while offering improved light quality and comfort for the employees and help achieve their sustainability goals.

## CLIENT

Waterbury Plating & Painting Company, a division of Northeast Metal Works

## CLIENT REFERENCE

Paul Satenstein  
Chief Executive Officer

## PROJECT LOCATION

114 Porter Street, Waterbury, CT

## SCOPE OF THE PROJECT

LED Lighting, Steam Trap Repair,  
Steam Trap Insulation

## PROJECT TYPE

Energy Services

## PROJECT SIZE

263 LED lighting fixtures, 23 steam traps, 2,000 LF of fiberglass pipe insulation with 110 removable insulation blankets

## BUILDING TYPE

Manufacturing

## ESC TEAM MEMBERS/ROLES

Patrick Burns, Account Manager  
Jamie Sykora, Project Manager  
Daniela Iozzo, Project Manager