



# CHARTER STEEL

CUYAHOGA HEIGHTS, OH



### SAFETY RECORD

ZERO Recordable Events



### PROJECT SIZE

3 buildings

291,600+ sq. ft.

\$1.2M



### PROJECT SCHEDULE

Signed and completed in 2016



### CONTRACT METHOD

ESPC



### SAVINGS INFORMATION

Energy and operational savings over \$698K



Charter Steel Ohio partnered with ESG to execute lighting, boiler, chiller, RTU, auditorium and gym AC, and building controls upgrades plus cleaning and replacement of HVAC components across their manufacturing facilities. The broad infrastructure enhancements focused on creating comfortable, effective environments for their workforce.

### SOLUTION

The following energy conservation measures were implemented:

- Lighting Upgrades - LED
- Destratification Fans
- Exhaust Fan Motor Replacement, High E Transformers
- VFDs on Hot Water Pumps
- Auditorium & Gym AC
- Boiler Replacement and Controls
- Burner, Steam Burner
- DX Split, Mini-Split
- RTU & RTU Duct
- Unit Ventilator replacement
- Chiller & Unit Ventilator cleaning & refurbishment
- Building Controls
- Data Analytics

### RESULTS

The lighting, boiler, chiller, HVAC and controls upgrades are projected to generate over \$698,000 in guaranteed energy and operational savings for the manufacturing facilities.