

# HARSH ENVIRONMENTS

## a sweetspot for MAG Energy

**GENERAL ALUMINUM IN HUNTINGTON, INDIANA** presented diverse challenges across the foundry, machine shop, warehouse, and administrative areas. This prompted a comprehensive lighting overhaul. Harsh environments created by furnaces and other heavy processes demanded specialized fixtures that could withstand the elements of the foundry. Other areas received a tailored blend of LED high bays and linear fixtures with numerous spaces being redesigned for light levels tailored to each space's unique demands. Occupancy sensors were employed in numerous areas to capture additional savings. The exterior lighting was completely replaced. Excess cash flow from energy savings was used to fund a number of electrical upgrades. This holistic approach resulted in substantial cost savings of \$46,800, reduced power demand by 46 kW, saved 592,000 kWh, and contributed to annual carbon savings of 252 metric tonnes of CO<sub>2</sub>.



\$46,000 in annual energy savings



252 metric tonnes of Co2 offset annually



592,000kWh reduced



46 kw reduced demand

**MAX EFFICIENCY, MAX SUSTAINABILITY, MAX IT OUT.**



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