



General Motors

Bedford, Indiana

Facility Upgrade

Problem To reduce utility costs with minimal capital investment.

Resolution The Optimira team essentially functions as an on-site energy manager for the facility. With its goal to reduce energy costs over the long term, capital investment has been made for the following: compressed refrigerated air dryers, replacement of an air compressor cooling system, an air compressor cycling process, modification of open hearth furnaces, tuning gas furnaces to improve efficiency, and the addition/purchase of nitrogen in order to reduce oxidation to extend the life of the electric holding furnaces. All capital investments have been made with cost reductions resulting.

Project Description Optimira serves as an on-site energy manager at the facility for over 10 years. The goal of the position: to reduce utility costs with minimal capital expenditure.



End Result Optimira has reduced the electrical costs of the Bedford facility by 5% and reduced usage by 5.77%. The majority of these savings have come from employee awareness programs – educating site personnel on specific ways to reduce costs through modifications of the way they use facility equipment.