

Global Engine Manufacturing Alliance (GEMA)

Design . Bid . Build • Dundee, Michigan

At the Energy Center, IPS installed piping, electrical and process controls. We furnished and installed 33 pieces of equipment including:

- (1) 5 Cell Cooling Tower System
- (1) E-cell Cooling Tower System
- (3) 800 Ton Chillers
- (5) 500 hps Air Compressors
- (5) Compressed Air Dryers
 - (16) End Suction Pumps
- (2) Water Filtration Packages

Coolant, compressed air, chilled water and non-potable water feeds to process equipment for the head and block crank lines.

At the Waste Treatment Building and Tank Farm, IPS installed all HVAC, plumbing and process piping for all the process fluids, coolants, and industrial waste tanks.

Project Duration: 18 Months
Project Cost: \$12.8 Million



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IPS

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GEMA:

A PARTNERSHIP UTILIZING THE BEST OF WHAT EACH COMPANY HAS TO OFFER.

Global Engine Manufacturing Alliance is a joint venture comprised of DaimlerChrysler, Hyundai, and Mitsubishi Motors. Their goal is to manufacture a new family of cost-efficient, in-line, four-cylinder engines that will meet and beat the best engines in the world. Their partnership leverages the extensive resources of the three companies to create and use best-practice manufacturing processes, advanced automation, and leading-edge technology.

Scope of Project

IPS was responsible for five key areas of the project. They installed Building Utility Piping, Process Equipment Packages and worked on the Energy Center, Material Storage Building, Waste Treatment Building and Tank Farm.

IPS installed potable and non-potable water, chilled water, compressed air, lube oil, hydraulic oil, transmission fluid, turbo oil, washer fluid, natural gas, coolant, industrial waste and storm/sanitary piping. At the Material Storage Building, IPS self-performed all plumbing, HVAC, process piping, ductwork, power and process controls work and set four TMI custom air handling units.

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