

General Motors Corporation—Powertrain



Project Profile

General Motors Corporation Powertrain Division

INDUSTRIAL PLANT RENOVATION SAGINAW, MI

Project Type; Aluminum Casting
Production Facility

Renovation Area: 140,000 sq. ft.
Total Project Cost: \$150 Million

Primary Contact: Mr. Paul Conley
Sr. Project Engineer
(989) 757-1552

William A. Kibbe & Associates, Inc. provided complete engineering services for new aluminum engine block and head production lines at an automotive parts manufacturing facility in Saginaw, Michigan.

WAK also provided on-site personnel for field observation and coordination activities for all trades.

Services included:

Structural Engineering:

- Equipment & building foundations, Earth Retention
- Building modifications including columns & trusses
- Column shoring, removal & re-support
- Containment structures
- Equipment decks, mezzanines, & operator platforms
- Bridge cranes & service hoists

Mechanical Engineering:

- Utilities—Air, Gas, & Water—New and Revised
- Compressed air
- Process Steam & Cooling tower water
- Chiller room equipment & distribution system
- D-I water distribution system
- Make-up-air ductwork design & detail
- Dust Collection Systems

Electrical Engineering:

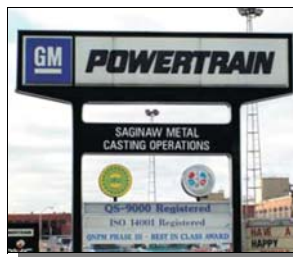
- Building & Task Lighting
- Substation & Power Distribution Design
- Cable Tray Systems
- Network & Individual Controls
- PLC Programming

Industrial Engineering:

- General layouts & bid packages
- Overhead conveyor layouts
- Prepare & update project schedules
- Field coordination

Architectural Design:

- New buildings & building additions
- New building addition – 30,000 sq. ft.
- In plant office designs
- Design of meeting rooms, restrooms & break areas



William A. Kibbe & Associates, Inc.
Engineers - Architects - Consultants

Saginaw, MI 989.752.5000
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