



LGR (SIGMA) ASSEMBLY PLANT

Lessons Learned

GM CONFIDENTIAL

Location

Lansing, Michigan, USA

Project Type

Analysis and Documentation of Lessons Learned During GM's Execution of the LGR Project

Scope

Contributors Survey by Function

Total Investment

Confidential

Role

Engineering Services
Strategic Assessment
Lessons Learned for Strategic Planning & Program Management

Project Objective and Overview

The Lansing Grand River facility was the first GM automotive assembly plant constructed in North America in a decade at a cost of \$1 billion. A major implementation objective of the project was Incorporation of world-class Lean Manufacturing concepts. GM recognized the critical value of learning as much as possible from this long, complex and costly planning and implementation effort and contracted Global Performance to conduct a comprehensive review of the process.

Confidential in-depth interviews were conducted with more than 35 individual engineers and managers involved in the Sigma Project. The Lessons Learned Study advisor counterparts from the NAPC and LGR selected the survey participants, designated as representative. They were comprised of key staff contributors from the Lansing Grand River (LGR) Assembly Plant and the North American Project Center (NAPC) including Product, Quality, Procurement, and Systems managers and functional support specialists from the Worldwide Facilities Group (WFG), as well as, Process, Tooling, Manufacturing, and Industrial Engineers from the North American Car Group (NACG).

The final report details are of course classified as "GM CONFIDENTIAL" not only due to its sensitive strategic disclosures but also as an assurance of anonymity to study participants who provided valuable insights as to which specific process elements were exemplary and which offered opportunities for improvement.

Client Contact

The Study was sponsored by the North American Project Center In Pontiac and was completed in 18 weeks. The NAPC project administrator and GM contact was Pierre Bou-Mansour. His last known telephone number is 248-456-2903. His LGR counterpart was Klaus Blache; LGR's Manufacturing Area Manager. His telephone was 517-377-7741.