



**General Motors Corp.**  
**Lordstown Assembly Plant**

**PROJECT SUMMARY**



**Location**

Lordstown, Ohio, USA

**Total Investment**

Confidential

**Project Type**

Conceptual Engineering & Strategy  
 Planning for Brownfield Migration  
 for Vehicle Assembly Plant

**Global Performance Role**

Conceptual Engineering  
 Industrial Engineering  
 Manufacturing Engineering  
 Project Scheduling  
 Project Estimating  
 Construction Management

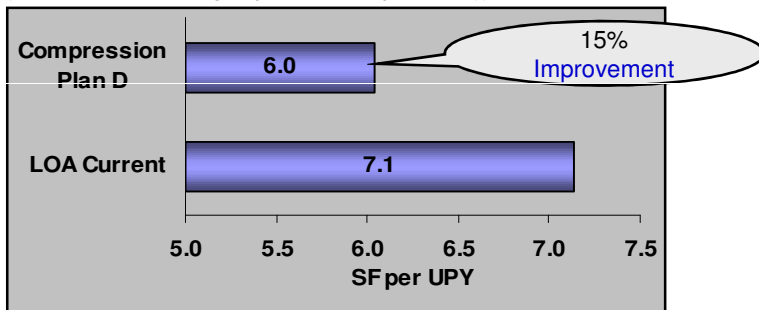
**Annual Volume**

300,000 Units (Small Cars)

**Results**

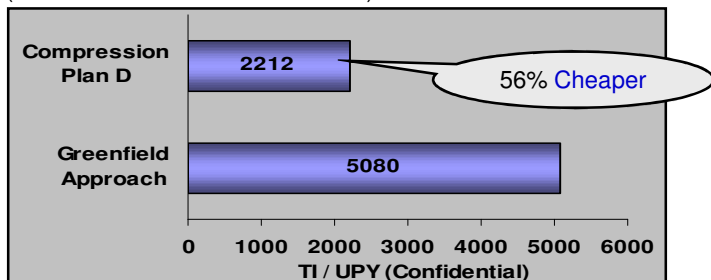
**Floor Space Utilization**

(Total Manufacturing Sq. Ft. / Units per Year)



**Investment Efficiency**

(Total Investment / Units Per Year)



**Project Highlights**

Global Performance was selected to provide manufacturing and industrial engineering services as a member of the LOA plant compression task force. Global Performance had responsibility to develop layouts, timelines, cost estimates and phasing for Stamping, Body Shop, Paint Shop and General Assembly.

The migration/phasing plans provided by Global Performance provided a map to move to compliance with the GM Bill of Process in Body, Paint and General Assembly. The plans were developed using the lean layout guide to provide competitive assembly cost, flexibility for future products as well as expansion capabilities. Four main alternatives with numerous sub alternatives were developed to enough detail to categorize benefits of each and allow selection of the most competitive solution. The selected alternative was detailed to define the process and converted into a seven phase conversion plan.

Global Performance also provided presentation layouts and participated in numerous presentations to GM executives to gain support for the overall project.

Additional services provided by Global Performance included the following.

- Paint Shop Interference Study
- Material Logistic Routing Studies
- Feeder Conveyor Paths
- Station by Station Operation Descriptions for GA
- Developed Alternatives to Move Body Shop to LOM