Industry Issue

AIAG member companies and industry stakeholders are challenged with managing the risks of climate change. The time was right to progress from lean production to sustainable production. Forward-looking companies are going beyond their direct greenhouse gas (GHG) emissions and looking at the risk of indirect GHG emissions such as purchased electricity, transportation of goods, and the production of materials purchased from suppliers. However, the industry needed a consistent way to calculate various GHG emissions.

Unique Insight

Automotive manufacturers and suppliers collaborated on a harmonized process for estimating, collecting and reporting manufacturing facility-based GHG emission data. As a result, a consistent approach, methodology, tool and format for calculating GHG emissions were developed for suppliers’ use in reporting to OEMs and other customers.

Participating Companies

- American Honda Motor Co.
- Chrysler Group LLC
- Ford Motor Co.
- General Motors Co.
- GZA GeoEnvironmental, Inc.
- Honda of America Manufacturing, Inc.
- Lear Corp.
- Toyota Motor Engineering & Manufacturing North America, Inc.
- TRW Automotive

Results

The AIAG process is based on World Resource Institute Guidance and other global GHG emission processes now in place. The solution gave OEMs a unified process for estimating, collecting, and reporting GHG emissions from manufacturing supply base operations.