New Center Stamping, Inc.
Assembly Area Project

The Technology and Innovation

• Project focused on the Assembly Area of New Center Stamping Plant
• Flexible production of automotive parts such as doors, hoods and lift gates
• Production processes are stamping, hemming, welding and metal finish
• Automated presses and robotic arms used in the production

Community/Industry Impact and Value

• Process efficiency improved
• New layout revised and evaluated

Community/Industry Engagement

• New Center Stamping, Inc.
• Wayne State University – College of Engineering

Team Composition

• Pedro Oliveira
• Rafael Brito
• Jerry Leman
• Dr. Jeremy Rickli
• Dr. Chelst
• Dean Pichette

Learning Experiences

• Process mapping of various automotive parts
• Data mining
• Time studies
• Process analysis and improvement

Further Research and Development

• Inventory management system