

Quality Core Tools for Automotive Manufacturers

Plan, launch, and validate your automotive products and processes



More is being required today than ever before from automotive manufacturers and suppliers. To continue managing your existing business, while reaching for new business opportunities, it's critical that the products you manufacture not only meet the ISO 9001 quality system requirements, but also those specific to the automotive industry. By conforming to the Quality Core Tools required by IATF 16949, your operation and products will meet the quality requirements necessary to help you maintain and grow your business.

GaMEP can provide you training on any or all of the following:

- **Advanced Product Quality Planning:** Learn the steps required when designing and developing a new product for the automotive industry.
- **Failure Mode Effects Analysis (FMEA):** Apply the latest version of FMEA to determine what can go wrong with parts and the process.
- **Production Part Approval Process:** Understand the steps necessary to prove you have the ability to produce reliable and consistent parts that meet customer requirements.
- **Statistical Process Control:** Learn variations that may exist and determine if your process is operating in a controlled state, meeting customer requirements, or needs an adjustment.
- **Measurement System Analysis:** Recognize the amount of variation within your gauge to ensure your calculations are capturing only true process variations.

By receiving Quality Core Tools training with GaMEP, you will:

Reduce Production Defects



Meet Buyer Demands



Acquire New Business



Increase Profit Margin



Advancing Georgia Manufacturing



Quality Core Tools in Action

Automotive Supplier Used MSA to Improved its Product-Quality Rating



A company operating at a 25% scrap rate on a key production line was not aware that the gauge used in final inspection was introducing a 78% error in process measurements. Once the gauge was replaced and the operators trained, the organization was able to see true process issues and address the root cause. This led to lot-approval decisions that matched what the customers were experiencing. In addition, the final product quality improved from 75% to 90% in first-pass yield.

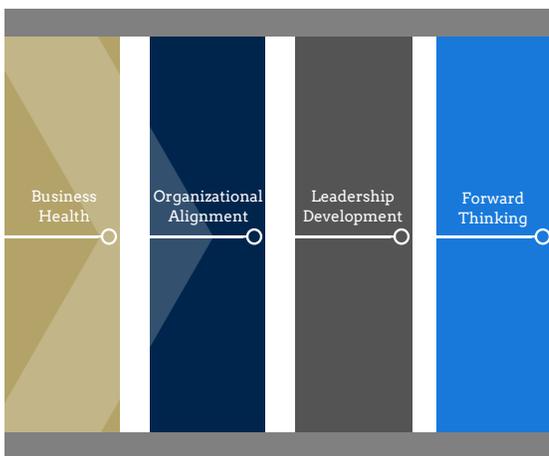


Why Work with GaMEP?

Our goals are simple and impactful:

- Understand the current state of your company.
- Learn about your future goals.
- Teach your team to utilize tools and strategies to meet the needs of your organization.
- Advance your company's competitiveness and ensure a sustainable future for manufacturing in Georgia.

Each of our services resides in one of the following four key strategic solutions pillars within the GaMEP Organizational Excellence framework:



The pillars are interconnected to maximize effectiveness. If you have multiple areas to address, request an Organizational Excellence assessment.



What Sets GaMEP Apart

Every year, GaMEP works with more than 1,000 manufacturers to implement on-site projects, conduct training, and connect manufacturers to Georgia Tech resources and our partners throughout the state. We do this through:

- Federal and state funds that help offset the cost to Georgia manufacturers, making your investment more powerful.
- Access to locally based project managers that have years of experience developing and implementing best practices for manufacturers.
- Immediate and long-term solutions that increase top-line growth and reduce bottom-line costs throughout your organization.

Service areas include: process improvement, quality, robotics, business strategy, technology integration, ISO management systems, energy, sustainability, safety integration, and more.

See what all the "Buzz" is about.



Connect with GaMEP



gamep@innovate.gatech.edu



404-385-0630