The Georgia Manufacturing Extension Partnership (GaMEP) is a program of Georgia Tech’s Enterprise Innovation Institute and is a member of the National MEP network. The GaMEP is supported by the National Institute of Standards and Technology (NIST) and the state of Georgia.
About GaMEP
The Georgia Manufacturing Extension Partnership (GaMEP) is a program of Georgia Tech’s Enterprise Innovation Institute and is a member of the National MEP network supported by the National Institute of Standards and Technology (NIST). The GaMEP, with offices in nine regions across the state, has been serving Georgia manufacturers since 1960.

What We Do
With a broad range of industrial expertise, the GaMEP helps manufacturing companies across Georgia grow and stay competitive. The GaMEP offers coaching and education designed to increase top-line growth and reduce bottom-line cost. The GaMEP works with our clients on a customized approach to ensure you meet your goals. The GaMEP is a state and federally funded initiative, making us a cost-effective resource and partner for manufacturers.

Approach
Through a solutions-based approach, the GaMEP will work with you to achieve your enterprise-wide goals.

Why Georgia Tech?
- Proven solutions for manufacturing companies to achieve market growth, increased sales, operational savings, and environmental improvements
- On-site assistance and training
- Education to help clients learn the processes and succeed on their own
- Team members with years of hands-on implementation experience
- Access to a broad range of Georgia Tech industrial research centers and expertise
Innovation Process Management

Learn how to implement an innovation process management system to develop an effective process to ideate, test, maintain, and sustain a pipeline for business growth. In addition, learn techniques to increase speed to market and decrease development costs.

Product Development for Manufacturers

Utilize lean tools to develop and bring new products to market. Your existing staff will learn to identify and eliminate bottlenecks within your product development process, shorten development cycle time, and align development efforts with the production planning process.

Lean Project Management

Apply lean tools to the project management process in order to eliminate waste and create visual communication to streamline projects in your company.

Technology Scouting

Create new opportunities by marketing your underutilized technology to other companies. Or scout out technology to fulfill a developmental need within your company – either by acquiring the technology or connecting with a partner.

S.M.A.R.T. Marketing

Gain a better understanding of your current customers to develop a targeted list of potential customers to grow your business.

In the past three years, can you name a new product, service, market, or process in your organization that has contributed to significant business growth? Georgia Tech employs project managers to help coach your company through the implementation process to increase your top-line growth.

GaMEP Client Success

Worked with GaMEP to develop a portable deer feeder, resulting in:

- Launch of the new product in 4 states
- More than 250 products sold, equating to $80,000 in new company revenue
- A profitable product within 6 months

“Georgia Tech made the whole process easier and has been a great resource for us.”

Vince Dettore,
Marketing & Business Development Manager – Albany Sheet Metal

IMPACT STATISTICS for GaMEP Clients in 2013

975 Georgia manufacturers served

1557 jobs created or retained

$217 M new & returning sales

$28 M reduced operating costs

STRATEGIC BUSINESS DEVELOPMENT SERVICES contact:
Don Pital, don.pital@innovate.gatech.edu, 404-894-6117 or the regional manager in your area
Lean / Process Improvement Services

Improving processes by working smarter helps to minimize waste within numerous areas of a company. Lean, a system for continuous process improvement, helps to shorten the order-to-cash cycle by defining what is value according to the customer, and organizing and improving processes to deliver what is needed, when it is needed, and with minimal waste.

Whether it’s your plant floor, production line, front office, or more, the GaMEP can customize a solution that best fits your needs.

Align your organization strategically with a common goal of Lean transformation. By establishing a Lean Enterprise, your company commits to implementing Lean practices throughout to reduce bottom line costs and increase profitability. Additionally, the GaMEP offers the following individual Lean services:

**Lean Assessment**
Conduct a Lean assessment to learn your areas of need and develop a Lean roadmap specific to your team and company.

**Lean Overview**
Utilize the Buzz Electronics hands-on simulation training to help you better understand Lean and learn to apply Lean concepts within your organization.

**Value Stream Mapping**
Eliminate waste by mapping both your current state and future desired process and then define the steps to get you there.

**5S / Layout**
Use the 5S (Sort, Set in order, Shine, Standardize, Sustain) process to turn your work area into a clean, organized, and orderly space.

**Setup Reduction / Changeover**
Use the SMED system (Single Minute Exchange of Dies) to develop and implement a process to setup almost any machine on your plant floor in dramatically less time.

**Lean and Safety**
Integrate an approach for improving both production processes and safety outcomes collaboratively.

**Pull Systems / Kanban**
Learn to better predict your customers’ needs and fulfill product orders based on previous buying behavior. Implement a Kanban system to teach you what to produce, when to produce it, and how much to produce, allowing you to develop a production system to help you achieve Just in Time inventory.

**Kaizen**
Organize and run Kaizen, or Rapid Process Improvement events, in order to experience immediate results by learning to make quick assessments, conduct necessary training, and take action in a short period of time.

**TWI (Training Within Industry)**
Using the TWI Institute’s Job Relations (JR), Job Instructions (JI), and Job Methods (JM) programs, help supervisors develop and further the skills necessary to make continuous improvements within your company.

**Lean Office**
Implement Lean techniques within your administrative services to help your staff create a common language and experience level that will eliminate redundant steps and non-value-added activity.

Did You Know...
Georgia Tech hosts Lean Consortium groups throughout Georgia. These groups help members advance their knowledge and effective use of Lean principles through shared training and peer-to-peer relationships. For information about the Lean Consortium, visit www.gamep.org/news-and-resources/lean-consortium.

**Contact Information**
LEON / PROCESS IMPROVEMENT SERVICES contact:
Tim Israel, tim.israel@innovate.gatech.edu, 404-894-2272 or the regional manager in your area
Quality Management Services

Implementing a quality management system in your company processes brings consistency to the design, development, and delivery of your product or service. Conforming to internationally recognized standards shows that your product or service is at the highest standard of quality. Applying techniques to reach this level of quality takes top-management support and a team-based approach that will help to consistently meet customer demands and expectations, while reducing cost and increasing customer satisfaction.

ISO 9001

Become ISO 9001-registered to better monitor, control, and improve your product or service quality in order to increase your business and profitability.

Industry Specific Quality Standards

Gain the tools necessary to become registered to industry specific quality standards, such as TL 9000, AS 9100, ISO/TS 16949, including APQP (Advanced Product Quality Planning), FMEA (Failure Mode Effects Analysis), PPAP (Production Part Approval Process) MSA (Measurement System Analysis), and SPC (Statistical Process Control).

ISO 13485

Become ISO 13485-registered to ensure that you meet the requirements specific to the medical device industry in areas such as design, development, production, and environmental control.

ISO / IEC 17025

Become ISO / IEC 17025-registered to ensure that as a testing and calibration laboratory, you have implemented and are maintaining a quality system for consistently achieving valid results.

Food Safety

Meet ISO 22001, the international standard for food safety management systems; HACCP (Hazard Analysis Critical Control Point); and cGMP (current good manufacturing practice) in order to learn to control food safety hazards within your facility.

Root Cause

Using a team-based approach and problem solving methodologies, learn to distinguish the root cause of the problem from the symptoms and immediately make improvements.

TS 16949

Implement a management system specific to the automotive industry and learn how to routinely audit the system to make continuous improvements.

Six Sigma

Apply Six Sigma to daily work environments by driving improvements within your facility, department, or work groups. Training is available for White, Yellow, Green, and Black Belts.

GaMEP Client Success

Expanded their business into 2 new vertical markets by:

- Implementing AS9100 and ISO 13485
- Training 95% of their staff on the new standards
- Taking advantage of reshoring opportunities

"GaMEP has been extremely knowledgeable and instrumental in helping implement additional quality management systems within our organization. We have found great value in continuing to tap into the GaMEP resources."

Greg Chesnutt, CEO – Prime Technological Services

QUALITY MANAGEMENT SERVICES contact:

Tim Israel, tim.israel@innovate.gatech.edu, 404-894-2272 or the regional manager in your area
Sustainability Services

Taking steps to create a sustainable organization is becoming more common and is bringing business opportunities to companies adopting this approach. The path to sustainability may include implementing environmental management systems, becoming compliant with environmental regulations, or helping minimize employee safety risks. Georgia Tech helps companies make sustainability a priority by aligning their stewardship of the environment, their profits, and social impact with their overall strategic direction and business objectives.

Environmental Assessments

Conduct an environmental assessment to learn your areas of need and develop a roadmap specific to your team and company.

Environmental Compliance

Have a Georgia Tech environmental engineer inspect your facility to identify any issues and work with you on a corrective action plan to comply with the regulations that apply to your organization.

ISO 14001

Implement ISO 14001 in order to identify, evaluate, control, and reduce the environmental impacts of your company’s activities, products, and services.

Occupational Safety & Health

Meet the OHSAS (Occupational Health and Safety Assessment Series) 18001 standard to minimize safety risks within your organization.

Strategic Sustainability Planning

Make sustainability a priority in your organization by aligning the overall strategy and objectives, implementing necessary changes, and sharing the vision and direction throughout the company to gain buy-in and participation.

E3 – Lean-Green Assessments

Utilize lean tools to identify, evaluate, and reduce energy and environmental waste in your organization.

Through their Lean Consortium membership, E-Z-GO has:

• Gained $500,000 in new sales from other Lean Consortium member companies
• Identified $250,000 worth of cost-savings opportunities
• Garnered ideas for areas of improvement, including a traffic study

Through this traffic study, E-Z-GO has:

• Eliminated all non-value traffic from their receiving dock
• Removed 95% of non-material moving golf cars from their facility, saving $10,000 per year in maintenance, upkeep, and fuel
• Reduced pedestrian to vehicle interface, diminishing potential OSHA recordable infractions, and increasing safety for their employees

“I look forward to the Lean Consortium events. I take a couple of people with me to each benchmarking tour, so they can experience first-hand what other member companies are doing to be successful around lean and safety efforts.”

Dwayne Brabham, Continuous Improvement Manager – E-Z-GO

Contact:
Bill Meffert, bill.meffert@innovate.gatech.edu, 404-894-3844 or the regional manager in your area
Energy Management Services

Understanding your energy systems and incorporating best practices in one or more areas can significantly impact your bottom line. Georgia Tech, a worldwide leader in helping organizations improve their energy performance, played an instrumental role in the development of the new international Energy Management Standard, ISO 50001. Whether it’s qualifying energy saving opportunities, incorporating energy-efficient technologies, or implementing an energy management system, the GaMEP will help you find an energy solution that best fits your needs.

ISO 50001

By implementing ISO 50001, the newly developed international standard for energy management, you will be able to change the way your organization uses and manages energy and turn energy savings into sustainable gains.

Superior Energy Performance

Gain the benefits of certified energy performance. By getting certified to Superior Energy Performance, you will map out ways to achieve continual improvement in energy efficiency while maintaining your competitiveness.

Level-One Energy Assessments

Learn where your company’s energy dollars are going in order to identify energy and cost savings opportunities.

System Energy Assessments

Using DOE’s software tool, gain assessments on specific energy systems, such as compressed air, steam, pumps, fans, and more to help you identify and prioritize energy savings opportunities.

Energy Data Management & Performance Metrics

Learn to mine energy data and measure the performance of your systems to better understand how you use energy, control costs, and capture energy savings.

Personnel Certifications

Gain the training necessary to pass certification exams for:
- Certified Practitioner in Energy Management Systems (CPEnMS)
- Superior Energy Performance (SEP) Lead Auditor
- Superior Energy Performance (SEP) Verifier

Did You Know...

We offer both on-site and open-enrollment training courses in many of these services. Visit www.gamep.org/events-training/training-courses for details.

GaMEP Client Success

By working with GaMEP, Easter Seals Middle Georgia was able to make the following improvements:

- Decreased distance walked from raw material to staging by 77 percent – from 110 feet to 25 feet
- Reduced handling of raw materials by 50%
- Adjusted flow of materials to reduce distance from finished goods to inspection by 100%
- Implemented visual controls to reduce wait time by 94% – from 4 hours to 15 minutes
- Reduced material sent to landfills by 20%
- Implemented a process to train staff members who had never worked in manufacturing plants

“Without Georgia Tech, Easter Seals Middle Georgia would not have been able to afford the type and quality of training that we received.”

WAYNE PEEBLES,
CEO – Easter Seals Middle Georgia

ENERGY MANAGEMENT SERVICES contact:
Bill Meffert, bill.meffert@innovate.gatech.edu, 404-894-3844 or the regional manager in your area
For additional information about GaMEP services, visit www.gamep.org or contact the regional manager in your area. If you are located outside of Georgia, contact Larry Alford, Regional Network Manager, at larry.alford@innovate.gatech.edu.