

Why should you engage the Texas Center for Applied Technology?

TCAT is a trusted government and industry partner. Our customers can count on us to solve their toughest problems with real-world solutions. Texas A&M Engineering staff possesses extensive experience in manufacturing operations and industrial engineering. Through our university and business connections nation wide, we are able to leverage best practices and collective knowledge to assist our customers. We bring together under the Texas A&M System umbrella a unique mix of academia, industry, federal, and military expertise to achieve solutions to real-world problems.



Ergonomic work solutions

MEMBER OF THE
TEXAS A&M
UNIVERSITY
SYSTEM

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TEXAS CENTER FOR
APPLIED TECHNOLOGY
TEXAS A&M ENGINEERING EXPERIMENT STATION

Manufacturing Operations & Process Engineering



*Solutions
to real world problems*

Texas Center for Applied Technology

Texas A&M Engineering
Experiment Station

Solutions for Operational Efficiency

Do you need us?

- Growing too fast?
- Need to increase production?
- Insurance rates too high?
- High absenteeism or employee turnover?
- Running out of space?
- Order backlog increasing?



We provide...

Support in establishing a culture of continuous improvement enabling success in today's economic environment.

We deliver...

Solutions to manufacturing and process problems.

Benefits:

TCAT applies Lean Manufacturing and Six Sigma philosophies along with principles in Process Engineering to:

- **Lower manufacturing and operating costs** *which means extra revenue.*
- **Increase productivity** *which means putting out products more quickly.*
- **Reduce rework** *which means less scrap, and reduced material and labor costs.*
- **Optimize space** *which means higher manufacturing /warehouse capacity.*
- **Improve safety** *which means that insurance rates are lower, lost days due to accidents are reduced and OSHA fines are avoided.*
- **Provide timely delivery to customers** *which means increased efficiencies, and increased customer satisfaction.*
- **Lessen employee stress** *which means higher productivity, low employee turnover and a stable workforce.*

Outcomes:

- Saved \$28 M per year by implementing a continuous improvement program at a helicopter facility depot.
- Saved \$300,000/year by performing space analysis and optimizing the location of products based on such factors as typical usage frequency and product size.
- Saved 1,500 man-hours /year by designing a mounting system for classified equipment.

* These reported outcomes are based on previous work performed. Outcomes are usually dependent on the type, maturity and size of your organization.

