



TSI philosophy is to assess your company's needs and provide only services that are value added. We utilize the most experienced trainers and the most recent technologies. Resources with industry experience and University lecturer are available through the coordination of our Solutions Consultants, as needed.

Division of Industrial and System Engineering

Instructors:

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INDUSTRIAL SERVICES



Division of Industrial and
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Production Operation Management (POM)

In today's globally competitive business environment, just meeting expectations may not be enough. The quality of a company is measured by its ability to fulfill a customer's expectations, which requires a balanced approach to quality, delivery, price, performance and service. Many companies need help developing and maintaining a dependable, continually improving quality management system – but not every company needs the same type of help.

Our Service in POM are *Value Stream Mapping (VSM)*, *Total Productive Maintenance (TPM)*, and *Lean Solution*.

Value Stream Mapping (VSM)

Value stream mapping focuses your improvement efforts and pinpoints problem solutions that will give you the most value for your money, time, and energy. Value stream mapping lets you create a material and information flow map of a product family. A typical value stream includes customer orders entering the production control schedule, raw materials entering the facility, manufacturing processes, and finished goods leaving the shipping dock. Does information and material flow in the most logical and cost effective manner at your company? A “current state” map will show you where time and money are being wasted—excessive inventory, processes delayed due to lack of information, or unnecessary downtime for production equipment.



INDUSTRIAL SERVICES
Helping Industries Succeed

A “future state” map identifies the desirable flow and helps you determine how to get there. In this event, you will learn how to create these maps, which will guide your efforts to the best and most productive projects.

Total Productive Maintenance (TPM)

Total productive maintenance (TPM) harnesses the participation of all your employees to improve your production equipment's availability, performance, quality, reliability, and safety. You will learn about:

- ✓ Six big losses from equipment-related wastes
- ✓ Shared responsibilities in autonomous maintenance
- ✓ TPM Metrics—OEE, MTBF, MTTR
- ✓ TPM communication tools

Lean Solution

Everywhere you look, opportunities exist to; improve throughput, eliminate unnecessary process steps, reduce inventory, improve delivery performance, improve cash -

flow, and become more productive and profitable by flowing material and information from one customer-valued step to the next.

The TSI program for Industrial Services works with your team to identify these opportunities and implement solutions. Lean is a cultural transformation to an environment where everyone is continually seeking improvement. To facilitate faster implementation and enhance return on investment, TSI combines classroom and in-plant activities to meet the specific needs of your company. Our recommended approach:

Our Demonstrated Lean Manufacturing

Results focus on:

- ✓ Productivity
- ✓ Quality improvement
- ✓ Lead times
- ✓ Inventory
- ✓ On-time delivery

We can also work with you to develop a customized approach to fit your needs.
