



# PSI Tips for Project Management

and

# Process Optimization

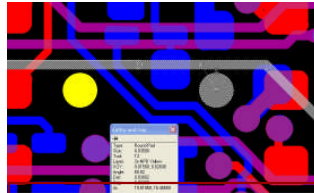
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## Value Stream Mapping Is The Foundation For Optimizing A Process And Managing A Project

The key to successfully optimizing a process is to first understand the characteristics of the process. This is applicable whether you are optimizing a manufacturing process, engineering process, administrative process, or a business process.

In all cases, the best way to understand the process is to use Value Stream Mapping to determine every individual task that is accomplished in that process. Map the process out to the smallest task (keystroke level) possible. The process

must be evaluated in its entirety across multiple organizations, internationally, or multiple processes depending on the objective.



**There Are Many Steps In Engineering A Printed Circuit Board. Process Optimization equals improved efficiency, improved quality, increased capacity, and increased profit.**

If this step is not done thoroughly and correctly, then it is likely the entire project is being compromised and suc-

cessful completion as authorized in the project charter is unlikely. The final product will not meet the stakeholders expectations. Cost overruns and schedule extensions caused by rework will negatively impact the project plan.

The objective of this step is to develop a detailed graphical map of the current process flow so that optimization of the process can begin. So be sure to spend as much time on this step as is required to fully understand the current process.

## Tools Used In Process Optimization

1. Value Stream Mapping
2. Optimized Process Map
3. Lean Principles
4. Optimized Process Flow Chart
5. Process Automation Chart
6. Project Management Plan

## About PSI

PSI specializes in Project Management and Process Optimization. With over 30 years in aviation, electronics, engineering, manufacturing, and management with technology leaders. PSI's founder,

Roy Mathena, has a proven track record of completing projects on time and within the constraints of the business case and project plan. He has been certified by the Project Management Insti-

tute (PMI) as a Project Management Professional (PMP). Success of many of the projects are charted at [www.psipm.com](http://www.psipm.com). Call 864-855-3373 for more information.

## PSI Supports

**Project Management Institute's Project Management Body Of Knowledge & Project Management Methodology**

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*Specializing in Project Management and Process Optimization*

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