

Case Study: Small Gas Turbine Manufacturer Ogden, Utah

Opportunity

- Our client is a state-of-the-art manufacturer of several models of gas turbine engines for commercial and military, utilizing high-tech tooling and processes. The manufacturing engineering staff recognized that their projected future production volumes would require improved throughput and efficiency. The Productivity Team was hired to develop productivity improvements and an enhanced Lean culture in order to achieve these goals.

Scope

- Analyze current state plant layout, flow of material and work in process.
- Prioritize the 3 most critical work cells for further “deep dive” analysis.
- Create Value Stream Maps to identify constraints and waste in the system.
- Conduct work sampling to gage machine/operator utilization.
- Develop improvement actions that would increase productivity.
- Develop metrics that would measure success upon implementation

Successes

- Value Stream Maps clearly identified constraints and bottlenecks, and improvement actions were developed to manage the constraints.
- Cell and factory layout changes were developed to improve flow through the facility and align work cells to that improved flow.
- Plans were developed which would enable an 11% increase in productivity and deliver an annual operating savings of \$3 million dollars

