

Opportunity

- This engine assembly plant had undergone several production volume changes as sales volumes fluctuated. The plant was tasked with executing plans to increase manpower efficiency as a result of the changes in volume. TPT was engaged to analyze manpower and develop and implement efficiency actions.

Scope

- For all operations in engine assembly, conduct MODAPTS studies, establish up-to-date work standards, and enter those studies into proprietary software.
- Develop and implement a complete plan to achieve direct labor reductions equivalent to 21 operators/shift.
- Ensure sustainability of all operations and update the work standards in the proprietary software system.

Successes

- The plant achieved its best level for manpower costs.
- Lines and operations were rebalanced throughout the assembly area, providing our client with an annual savings of \$3.78 Million dollars.
- The new MODAPTS work standards could be utilized to plan future engine launches with a data-driven approach.
- End result: TPT continues to be engaged by our client for manpower rebalancing, cost reduction actions and launch support.

