

Work Content Estimation - Multi-Model Assembly Line



Key Points

- Productivity Improvement by 25%
- Increased Manpower Utilization to 85%

Client's Challenge

- Unable to meet orders - long waiting periods
- Identify true potential capacity of Plant
- Low Manpower Utilization
- Inefficient feeding of Sub-Assemblies on Main Line
- High rejection rates

PMI's Approach

- Video shooting of all activities on the line
- Applied MODAPTS indexes on all activities
- Multi-Model line balancing for a desired TACT
- Similar steps carried out on Engine Line

Results

- Improved 25% Productivity on Assembly & 30% on Engine line
- Manpower utilization rose from 65% to an average of 85%
- Identification of non-value added work content
- Provided standardized operations summary sheet



*Data shown here has been modified to protect client confidentiality