

EQUIPMENT RELIABILITY ASSESSMENT

This program is designed to prevent lost profit and capacity due to routine equipment downtime. NEPIRC will implement an Equipment Reliability Study to baseline Overall Equipment Effectiveness and create a plan for improving productive time and maximize capacity. Learn how your equipment effectiveness is being limited by unplanned downtime because of breakdowns, equipment speed, quality problems, and first pass yield. Then begin to measure the actual details contributing to the lost production capacity in order to analyze its impact and put corrective actions in place. To determine equipment reliability your company will identify customer requirements for lead-time, process flexibility, product performance, capacity, and cost. This assessment will determine how your process effectiveness is being limited.

NEPIRC will identify actions to reduce lead time, increase effective capacity and improve process flexibility, which will improve your projected capacity and performance. The complete equipment reliability study will span a two week period and include several on-site visits to produce a planned approach for improving your process performance and capacity.

Outline of Events

Gather Data

Through on-site observation, NEPIRC will work with the operators, maintenance, and management to gather background maintenance data, perceived capacity constraints and opportunities.

Data Analysis and Review

NEPIRC will analyze and tabulate the data for review with your management and operators. OEE sheets will be created and the performance categorized into high level causes of reduced utilization, performance while the machine is staffed and the quality impact on lost production time. NEPIRC will review your existing planned maintenance task schedule and recommend potential improvements.

Based on your feedback, NEPIRC will document actions for improvement. Responsibilities for task completion will be delegated to your team. Operators and maintenance are expected to implement the improvements and continue collecting equipment performance data as the improvements are implemented.

Deliverables to Client

At the conclusion of this phase of our engagement, the company will have received the following:

- An assessment that documents the current baseline and prioritizes activities with the highest impact for equipment reliability, identifying a reliable model to follow for predictable capacity
- A tactical action plan for realizing the potential performance identified in the PR Assessment, a common language for all employees to use when identifying and implementing improvements
- A post-event debrief communication to determine future steps that are a best fit given the success of the initial activities, resource availability, staff skills and other factors

For more information e-mail us at info@nepirc.com