

Overall Equipment Effectiveness



Benefits

- Increased Visibility
- Cost Savings
- Increased Accountability
- Justification for Capital Improvements

Overall Equipment Effectiveness (OEE) evaluates the efficiency of manufacturing processes by measuring three factors – Availability, Quality, and Throughput - to give a comprehensive, quantitative look at the true efficiency of a plant. Design Group experts help clients leverage the power of OEE to identify and fix problems and ultimately increase output. Benefits include:

Increased Visibility

Metrics are monitored in real time so stakeholders have access to information on an as-needed basis instead of waiting for daily or weekly reports. With this on-demand data, management can better deploy resources, plant maintenance easily determine where to focus preventative maintenance time, and operators can make adjustments to run their machines more effectively.

Cost Savings

What gets measured gets improved. OEE makes it easier to identify room for improvements in the plant.

Increased Accountability

Measuring OEE holds operators accountable for productivity and promotes healthy competition between shifts to run at higher speeds.

Justification for Capital Improvements

OEE helps pinpoint low performing machines, giving quantitative justification to replace with newer, more efficient equipment.

Design Group leverages the industry's best software solutions to automatically calculate and report on OEE, including collecting downtime reasons from the PLC. We implement a standard solution for first fault data collection on the PLC level that can be used with any OEE software solution. Design Group can provide upfront consulting to architect a system as well as full deployment of a solution.

Design Group operates from 45+ offices in the US and India providing engineering, consulting, and technical services to the world's leading companies in the Food & Beverage, Life Sciences, Advanced Technology, Industrial, and other market sectors. Our nearly 1500 technical and engineering experts have direct industry experience in industrial automation, control system integration, facility and process engineering, architecture, construction management, regulatory compliance, enterprise technology, and other consulting services.