



## Solutions in Operations

*How do you design,  
manage, and improve your  
key products and work  
processes?*

*How do you ensure effective  
management of your  
operations?*



# Quality System Process Control & Capability Analysis

Reacting after production to defective products typically costs significantly more than addressing the source of quality problems through effective manufacturing processes and process controls. IMEC's approach is to develop a team that includes your staff and our experts who utilize proven continuous improvement methodologies to identify process control and capability challenges and develop root cause solutions. The use of a balanced, integrated lean and Six Sigma approach can enable suppliers to respond quickly to changes in demand while achieving extensive reductions in PPM defect rates.

### **QUALITY AND CAPABILITY IMPROVEMENT SERVICES**

IMEC utilizes Quality System Process Control and Capability Analysis to identify ways to expand capacity and identify the sources of quality (PPM) problems. Based on these analyses we work with the Team to develop an implementation plan that will include the following activities:

- Reduction of non-value-added activities/processes, increases in capacity, and reduced costs
- Identification of interim Corrective Actions for all known & potential quality issues, along with timelines for implementation
- Updated FMEA & process Control Plans
- Process control monitoring procedures to sustain quality improvements
- Identification of Root Cause Analyses and permanent Corrective Actions to generate sustained improvements in PPM
- Development of custom project charters to define quality process control and capability improvements required to achieve PPM reduction

IMEC's Continuous Improvement Team is a group of specialists that have helped hundreds of companies throughout Illinois to improve performance by developing a systematic approach to reducing defects, re-work and scrap. The team includes experts with a working knowledge of all functional areas of quality improvement, from diagnostics to Advanced Product Quality Planning (APQP), ISO/TS/AS registration to Six Sigma.

Working with individual manufacturers or with groups of companies, IMEC's specialists have a demonstrated track record helping manufacturers to contain costs and meet the quality demands of customers in automotive, agriculture, construction equipment, aerospace and other supply chains.

Our approach links analysis and training in order to identify solutions, and to facilitate comprehensive learning and sustainability.

### **POTENTIAL BENEFITS**

- Improved on-time delivery
- Greater process capacity
- Improved process control
- Reduction in defect rate
- Improved capacity and flexibility
- World-class performance

For more information, contact IMEC at 888-806-4632 or [info@imec.org](mailto:info@imec.org).