

BIOGRAPHY



John Boyle

Design Profit, Munro & Associates, Inc.

John Boyle offers clients twenty years of hands-on experience in corporate implementation of continuous improvement programs. This has included implementation of lean manufacturing, benchmarking, product and process design workshops, and ergonomics programs.

While at Munro, John has combined strong technical skills, understanding of variation, and a willingness to listen to his clients to be successful. He has used these skills to assist clients in automotive design, aircraft manufacturing, heavy equipment manufacture, shipbuilding, military vehicles, and has even worked in the confectionary industry.

While working in automotive, John teamed with Munro to change the way Chrysler was doing business. Together, they helped develop a workshop and benchmarking process for Engineering Hours Per Vehicle (EHPV) reduction. The result was a 25-40% design improvement for mature vehicles, aiding Chrysler in becoming world class in HPV. As a major part of this effort, John led the organization to look at the resource bottleneck (engineering time/resources) and relentlessly worked to have more impact while requiring less time from engineers. The improved processes he implemented led to a 400% increase in high potential ideas generated with 30% less time required from engineering.

While working with the shipbuilding industry, John developed an ergonomics guide which focused on incorporating ergonomics improvement into existing Lean Manufacturing efforts to speed implementation. While working in aerospace, he led workshops for Boeing Corporation on 777 and 787 interior systems, 777 engine nacelles, and 777 engine struts. While working with military clients, he successfully led design teams in to meet stringent weight targets and balance customer requirements.

While working in the confectionary industry he led the lean manufacturing effort on the plant floor that resulted in a 100% improvement in throughput in a six month timeframe. Among other activities, the client trusted John and his team to source, build, install, and validate over \$350K in equipment in a five week timeframe to meet their seasonal production schedule.

Prior to his work at Munro, John worked for EDS Corporation, graduating from the rigorous ESD development program, helping with the design of the four different

vehicles, and facilitating a product and process development "wall" for instrument panel systems on 1999 model year vehicles (Bonneville, Aurora, Century).

John earned a BS in Mechanical Engineering from Worcester Polytechnic Institute, and a Master's Degree in Industrial Engineering/Ergonomics from the University of Michigan, where he was a NIOSH fellow. He is a Board Certified Professional Ergonomist and a Six Sigma Green Belt. John has also been a guest lecturer at both the University of Michigan and the United States Military Academy at West Point.

A native of Boston, Mass., he currently resides in Troy, Mich. with his wife and daughters.