Ian McDonald

Triad Systems
People. Process. Performance.

Summary of Experience

Ian McDonald has over twenty-five years of industry and consulting experience with a strong emphasis on developing and implementing major business change programs in a variety of industries. He is a member of the Institution of Mechanical Engineers (UK); the American Society of Mechanical Engineers; the Institution of Engineering Technology (UK); and is recognized as a senior member of the Society of Manufacturing Engineers and holds the title of Certified Manufacturing Engineer while also being registered as an Incorporated Engineer in the UK (professional registration). He specializes in improving an organization's capability to accelerate change and achieve sustainable results using lean manufacturing and supply chain methodologies; with extensive experience in operations and maintenance improvement. Ian has been involved in a range of major change initiatives including ones at DuPont, Applied Biosystems, Arvin-Meritor, National Electronics Warranty Corporation, U.S. Chamber of Commerce, Wolverine Tube, Parker-Hannifin, General Motors, Caterpillar, Lucas Industries (UK), Novacor Chemicals, Millennium Chemicals, Pall Filtration, Reynolds Metals, Lockheed-Martin, Texaco, Becton-Dickinson, Goodyear, Alliant Tech Systems, IR Hussmann and General Dynamics. He also has considerable facilities engineering experience in upstream oil & gas with projects for BP, Conoco, Chevron, and Chesapeake Energy.

Selected Accomplishments

- Led a maintenance and operations improvement effort for a major producer of welded steel API pipe that improved production uptime from 52% to 76% and trained five joint team members to sustain current efforts and drive continuous improvement beyond the initial effort.
- Provided coaching and assistance to newly appointed functional planners to help them identify, prioritize, budget, sequence and approve new projects for the Alaska (North Slope) operations of a major global oil company; worked extensively with the functional planners and the planning system (Compose) to migrate data from the former cross-functionally aligned business units to the new asset based organizational structure.
- Led a lean/6σ operations improvement for a biotechnology manufacturer that more than doubled the effective throughput of the pilot line from 'capital free' capacity release efforts including cellular manufacturing, SMED, pull-systems, and extensive use of kaizen.
- Led a lean/6σ cellular manufacturing improvement effort for an automotive coatings manufacturer that delivered increased levels of customer service as operating units reduced cycle time by more than 50% and more than $15MM of impact.
- Improved supply chain effectiveness for spare parts procurement for a big-three automaker raising service levels above 98% with identified inventory reductions in excess of $50 million.
- Streamlined production operations across 3 sites (two in the US, one in Canada) for a Canadian plastics company that involved >700 employees and delivered benefits in excess of $7.5 million against a plan of $5.3 million.
- Helped lead a multiple site strategic lean implementation/plant rationalization engagement for the leading global refrigerated products manufacturer resulting in cost reductions totaling $18 million, in pocket, the first year which resulted in the parent corporation awarding the segment the Chairman's Award for most improved operation
- Implemented plant-wide maintenance for a major global chemicals manufacturer that improved productivity in a heavily unionized environment achieving cost savings of $5 million four months ahead of schedule.
- Designed and directed the Total Productive Maintenance (TPM) initiative for a major North American producer of titanium dioxide that drove work-order schedule attainment from 32% to over 80% and exceeded savings target of $5 million annually.
- Led the implementation of the Site Lean Improvement Plan developed during the training phase for a high-volume auto-parts manufacturer where project elements involved production, materials, maintenance, facilities and product engineering and project benefits for productivity and materials totaled more than £2.2 million.
- Led the worldwide lean manufacturing training of fifteen Lean Leaders for this global supplier of automotive components where the training project involved members from France, Germany, Japan, Brazil, Mexico, England and the U.S; training took place in France, Germany and the U.S. and covered the development of a Site Lean Improvement Plan for each participant's home site with training material developed and delivered in English, French, Spanish and German.

Educational Background

Master of Business Administration, University of South Florida
Bachelor of Science, Mechanical Engineering, University of Brighton, England