

## **Some Schultz Associates Consulting Projects**

### **Lean Manufacturing/Enterprise**

- Reconfigure a food server cart product line manufacturer with “Lean Manufacturing” processes and techniques including Kanban, defined workstations and cells, systems for “pull through” production, flex manning, “Just-In-Time” techniques, and a revised facility layout.
- Plant re-arrangement for a 200,000 square foot facility to increase capacity, reduce cost and shorten cycle time for a major generator manufacturer. Included major process changes.
- Completed an evaluation and implementation of a new precision vise manufacturing line system with cells for about \$2 million. Is a World Class operation. Included Request for Quotes and a variety of machine system concepts. Also initiated and assisted in the installation of a quick-change setup process for about 50 machines. Cross training and employee involvement.
- Evaluated electric motor electrical efficiencies regarding manufacturing practices and product design with cost variables for a major integral electric motor manufacturer.
- Completed five Appropriation Requests including Request For Quotes and quote matrix for a major manufacturer of motor generators.
- Evaluated varnish trickle and bondable wire applications and cost considerations for motor generators involving worldwide equipment suppliers.
- Evaluated Mexico manufacturing advantages and disadvantages with cost variables for one of the top electric motor manufacturers.
- Presenter of lean manufacturing papers at conferences.
- Evaluated a China electric motor manufacturer for a possible joint venture. Included a “green field” site facility evaluation with processes, equipment, and manning and production output.
- Benchmark Direct Current electric motor operations including an international facility.
- Conducted Value Analysis/Cost Reduction session for a worm gear manufacturer.
- Provided manufacturing processes and product design practices for worm gear rolling.
- Evaluated the cost differences between bondable wire and varnish systems of electric motors for a major magnet wire producer.
- Benchmark electric motor fractional horsepower facilities, processes and operations.
- Assisted an electric motor component manufacturer in site selection in the Monterrey, Mexico area.
- Developed and conducted for the *Small Motor and Motion Association* a one and a half day class on “Motor Manufacturing 101.” Conducted for four years.
- Evaluated various assembly line techniques and processes for a fractional horsepower motor manufacturer.
- Project leader for a three-plant plant/production consolidation for a vise manufacturer.
- Developed manufacturing techniques, capital program, and manning for new type rail system for highway trailers.
- Plant consolidation for electronic component (stampings and automated assembly) manufacturer.
- Evaluated setup reduction program for electric motor lamination (stampings) manufacturer.
- Initial hiring screening process of technical professional candidates for a major Tier I automotive supplier.
- Contributor to McGraw-Hill book, “Handbook Of Small Electrical Motors.”