



Good for the environment, good for your bottom-line

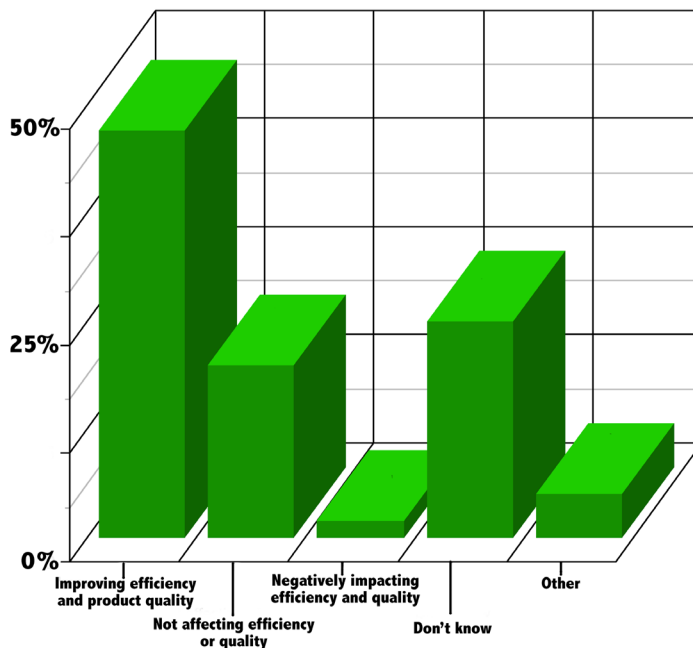
Today there is increasing pressure for almost every manufacturer to go “green”, but what does “going green” really mean? How many of the best-intended grasp the potential impacts, both up and down, to the operations of their organization? Going green is nice, but not if it hinders your ability to compete in the realities of the marketplace.

With the right approach and defined goals, green manufacturing holds potential economic benefits including long-term cost savings, waste reductions and process efficiency improvements.

Why Go Green? Going green can:

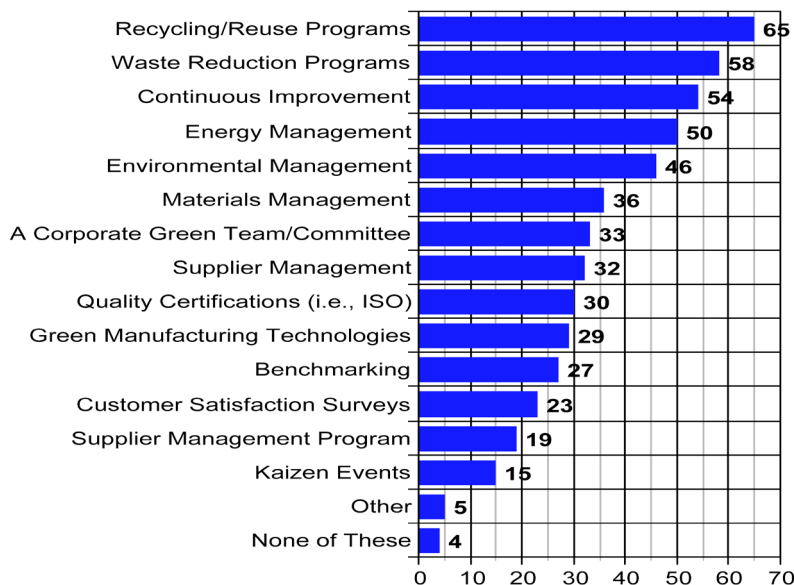
- Actually save money
- Enhance positive customer image
- Provide a competitive edge to customers that are environmentally conscious
- Improve public image
- Avoid regulatory scrutiny and potential fines
- Provide a healthy environment for us now and in the future

Green Manufacturing’s Effect on Efficiency and Product Quality*



*Eye for Transport Survey; "Green Manufacturing: Adoption and Implementation" (August 2008)

Strategic Procedures for Greener Manufacturing



We’re already ISO 14001 registered. Isn’t that enough?

ISO 14001, the environmental management systems (EMS) standard is a good start. It contains requirements for the prevention of pollution and for continual improvement. ISO 14001 is a base document. That means it should act as a foundation for environmental performance enhancement and Green manufacturing is a natural extension of your EMS. Each aspect of the MMTC Green Manufacturing program is fully compatible with ISO 14001.

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What about all of this talk of CO₂ emissions and carbon footprints?

Agree with it or not, CO₂ emissions along with other greenhouse gases are being blamed for global climate changes. Governments, businesses and consumers alike are putting increased focus on organizations' greenhouse gas emissions. MMTC's Green Manufacturing programs are designed to determine a company's greenhouse emission footprint, enabling them to take common- and- business sense approaches to reducing their carbon footprint.



MMTC Green Manufacturing Programs

Green Manufacturing Overview

- 1 Day Overview
- Emphasizes Cost Reduction
- Explains Green Manufacturing
- Explains Sustainable Manufacturing
- Explains Carbon Footprint
- Lays foundation for Sustainable Manufacturing Workshop and Carbon Footprint Determination and Reduction program (*but is not a mandatory pre-requisite*)

Sustainable Manufacturing Workshop

- Phase 1 of 2
 - 3 Day Workshop
 - Builds on the Green Manufacturing Overview (but can be taken independently)
 - Explores Sustainable Manufacturing in depth
 - Participants develop a Sustainable Manufacturing plan for their organization
- Add on Phase 2 of 2*
 - One day, on-site assessment of current state plus
 - Four days of implementation assistance

**Phase 1 is a stand-alone offering, and a prerequisite for Phase 2*

Carbon Footprint Determination and Reduction

- 6 Day Program
- Includes Carbon Footprint Calculator
- Three Phases:
 1. On-site assessment of carbon emissions
 2. Classroom training on carbon emissions and methods to reduce them. Participants will develop a plan to reduce carbon impact.
 3. On-site implementation of carbon reduction projects

On-Site Consulting

The MMTC offers on-site consulting and assistance to help you become a green manufacturer. On-site consulting can range from individual or small group training and mentoring to complete implementation projects throughout the facility.

For additional information, contact MMTC West at 616-771-0561 or email at mmtcwest@rightplace.org.