

Sustainability

MMTC-West User Group

Sustainable Manufacturing User Group

Increase profits and reduce environmental impact through tools that encourage sustainable business practices.

The Sustainable Manufacturing User Group will help answer such questions as:

- What is an environmentally safe product?
- What is the carbon footprint of your product?
- What is the energy intensity of your product?
- Does your product contain substances that are harmful to human or ecosystem health?
- Do you know the material efficiency of your process?
- Does your company have a formal social responsibility program in place?



Training will include the following concepts:

- How to incorporate sustainable business practices
- When and how to use bio-materials
- How to use the 12 principles of green chemistry to identify safer materials
- Why life cycle analysis will be a major driver of product and process design in the next ten years

Curriculum

Session One:	Developing a Sustainable Business Vision
Session Two:	An Environmental Systems Approach to Manufacturing
Session Three:	Lean and Green Value-Stream Mapping
Session Four:	Green Chemistry and Engineering & the coming Bio-base Economy
Session Five:	What you need to know about Bio-Industrial technology and Next-Gen-Environmental Technologies
Session Six:	Understanding risk, hazard and exposure; Chemical Assessment Tools
Session Seven:	Climate Change and Decarbonization
Session Eight:	Stakeholder engagement, ethical treatment, policies and procedures
Session Nine:	Sustainable manufacturing metrics
Session Ten:	Corporate sustainability reporting



Michigan Manufacturing Technology Center-West



Facilitator

William Stough, Sustainable Resource Group in collaboration with Aquinas College's Center for Sustainability

Faculty

William Stough, Sustainable Research Group
Clinton Boyd, Ph.D., Sustainable Research Group
Richard Fleming, Continuous Improvement Associates
Deborah Steketee, Ph.D., Aquinas College's Center for Sustainability
Matt Tueth, Ph.D., Aquinas College's Center for Sustainability

Cost

\$2,650 per company (allows three people to participate)

To Register

Please contact MMTC-West at The Right Place:
(616) 771 – 0561 | mmtcwest@rightplace.org



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