



Composites and Manufacturing

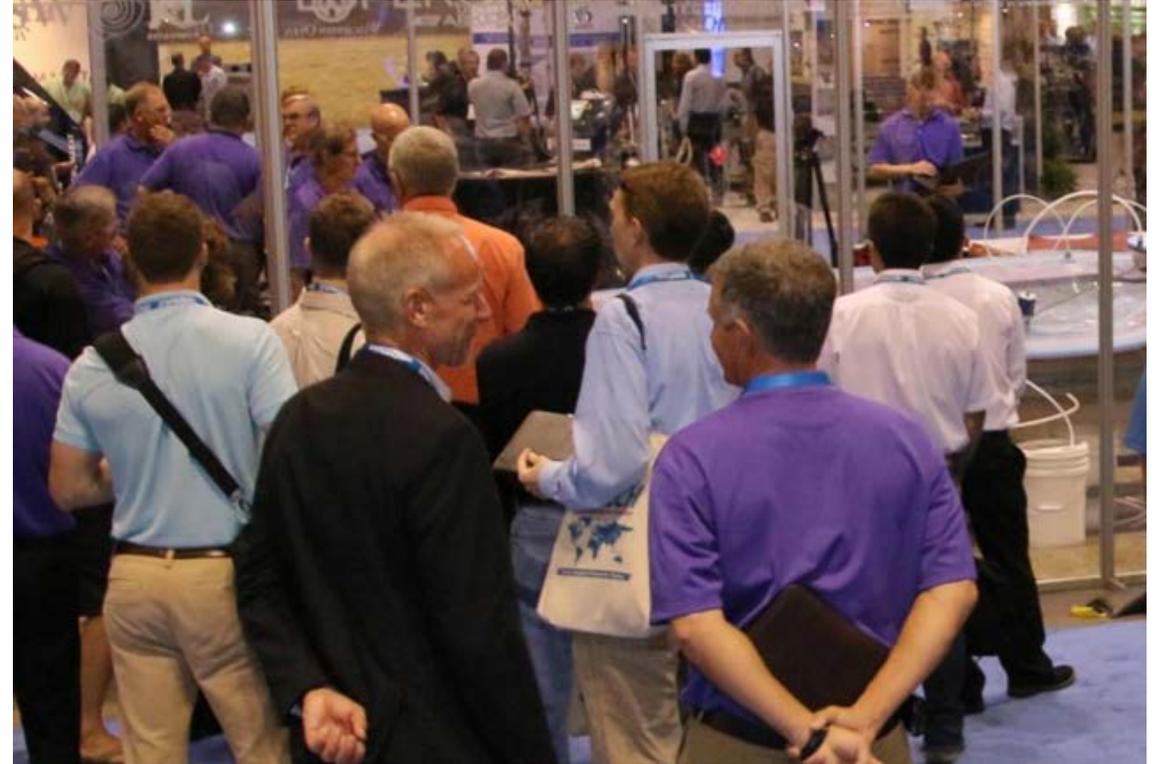
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ACMA

- 3000 companies in North America
- ~500 ACMA Member Companies
- Education
- Information
- Advocacy
- Market Growth and Development



CompositesManufacturing
The Official Magazine of the American Composites Manufacturers Association

ACMA Functions

Opening Markets

- Composites Growth Initiatives (CGI) committees, are structured to help you open new markets and expand in existing markets

Advocacy

- Washington-based lobbying and regulatory support
- Fly-ins
- Trade – TPP, APEC, EGA

Information

- Website access to members-only sections including technical documents & committee pages
- Composites Manufacturing Magazine
- Newsletters providing a timely industry information

Intelligence

- Statistics, market analysis

Leadership/Networking

- ACMA Board and Committees
- Events and conferences including CAMX – The Composites and Advanced Materials Expo

American Composites Manufacturers Association and IACMI

Cross-promotion of membership

19% overlap in membership

Encourage ACMA members to submit project proposals

Joint recycling initiative

Metrics, success criteria for recycling

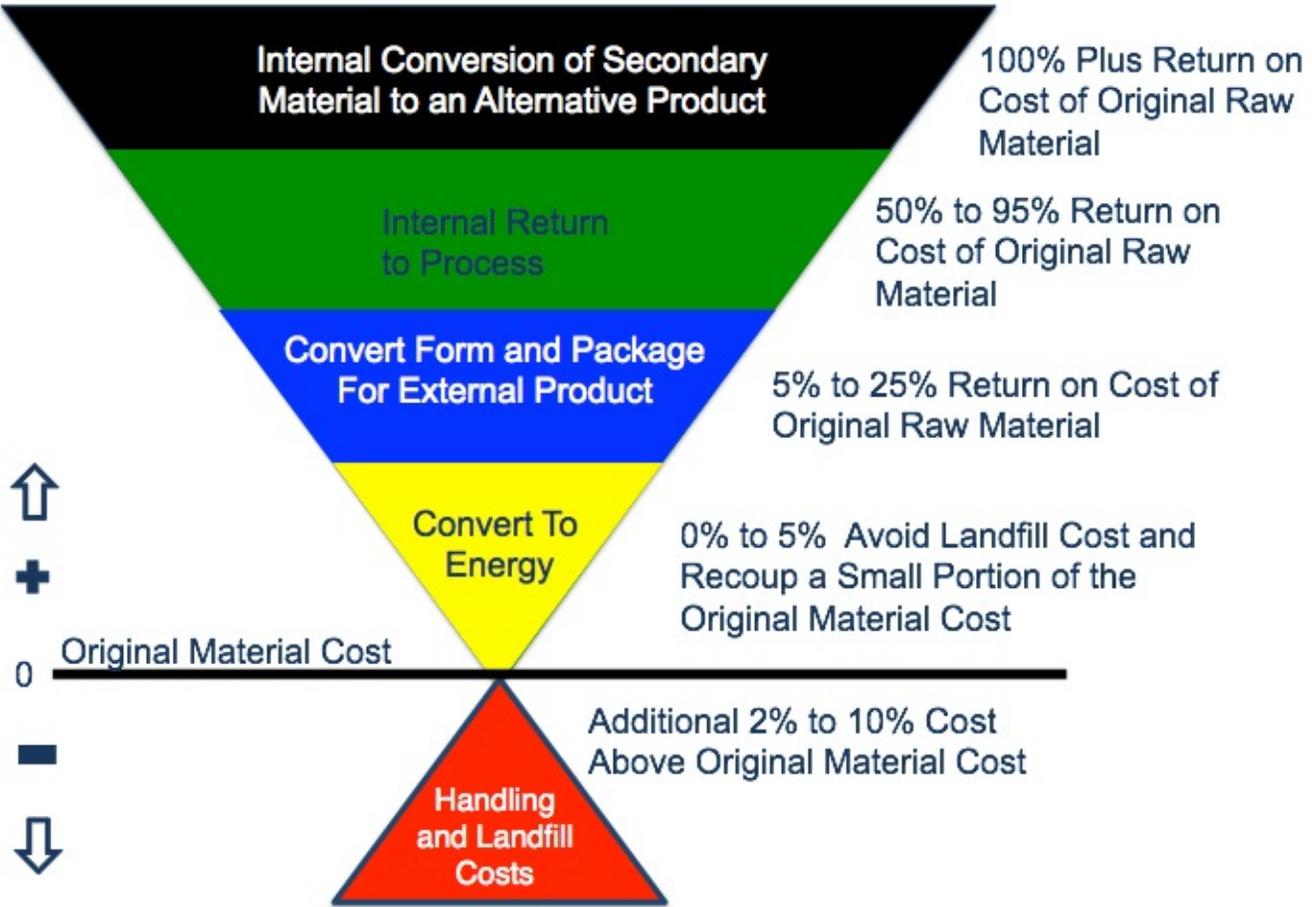
Validation and review

Project initiatives with near term success in automotive



Recycling

VALUE HIERARCHY PYRAMID



ACMA Collaboration with IACMI - Recycling

Aerospace scrap – opportunities for upgrading re-use

Focus on end-use applications - Identify prospective customers

Develop business cases, including both glass and carbon fiber

Initial goal – cost neutral recycling

Longer term goal – 2Xraw material cost for new recycled composites applications

American Composites Manufacturers Association and IACMI

Workforce development

ACMA will provide validation and testing services

Increase cross agency support of workforce development

NIST MEP, Dept of Commerce, Dept of Labor

Expand training for high volume production and recycling

Develop on-line tutorial by 3/30/16



Composites Growth Initiative

Standards / Specifications / Code
Development

Automotive Reference Guide for
Composites

Market Development

End-user & OEM Outreach

Speak with one voice as an industry to
advance the use of composites

Technical workshops & presentations on
composites at end-user events



Tour of BMW Leipzig, March 2015

Composites Growth Initiative

Environmental Stewardship

Life Cycle Inventory Data & Comparison Tool

Green Composite Council – Recycling
Committee

Promote trade to increase use of
composites globally

Innovation and Academic Outreach



Reception for 17 Countries
Environmental Goods Agreement
World Trade Organization

Composites Innovation Partnership

Provide oversight for ACMA activities related to collaborative technology and product development programs sponsored by industry and government.

- IACMI
- NIST Roadmapping Teams
- U. Mass Lowell, GaTech, U. Maine, NASA
- Defense R&D programs – DARPA, ARL, AFRL, ONR, etc.

2016 Highlights for IACMI and ACMA

IACMI/ACMA Events & Milestones Calendar - Draft		
Event	Location	Start
ACMA/IACMI Kickoff	Knoxville	November 11-12, 2015
Complete recycling strategy draft		December 31, 2015
Complete workforce development strategy draft		December 31, 2015
IACMI Member Meeting	Detroit Auto Show	January 13-14, 2016
Submit IACMI CAMX Presentations		March 1, 2016
Recycling outreach to global partners - JEC	Paris	Monday March 7, 2016 1-5 PM
Complete first on-line tutorial		March 30, 2016
Process & Advanced Materials Workshop	ORNL	April 5-6, 2016
Intermediate Processing & Wind Energy Workshop	Denver, Colorado (NREL)	June 14-15, 2016
IACMI Member Meeting	TBD	June ??
Process & Advanced Materials Workshop	West Lafayette, Indiana (Purdue University)	August 9-10, 2016
CAMX 2016 - IACMI Program; Recycling, CCT, CGI Reports	Anaheim, CA	September 26-29, 2016
Process & Automotive Market Advances in Composites	Detroit, Michigan (Michigan State)	November 1-2, 2016



- CompositesLab.com
- CompositesManufacturingMagazine.com
- CAMX- Composites and Advanced Materials Expo
 - theCAMX.org
 - 550 exhibitors
 - 7500 attendees
 - 300 educational presentations
 - September 27-29, 2016: Anaheim Convention Center Anaheim, California



SPEAK AT CAMX! ABSTRACTS DUE MARCH 1ST



CAMX 2016

- September 26-29, 2016 (September 27-29: Exhibits)
- Anaheim, CA
- Call for Abstracts Deadline March 1
 - Only need description of presentation
 - Speakers receive registration discount
 - Submit: theCAMX.org

Questions?

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