

COMPOSITES SUSTAINABILITY COUNCIL

The mission of the Composites Sustainability Council (CSC) is to nurture and expand the role of composites in sustainable development including initiatives that enable composite manufacturers to understand what sustainability means to their customers, achieve greater sustainability through best practices and recycling innovation, and conduct Life Cycle Assessment (LCA) of lightweight durable composites to grow business opportunities into a variety of markets.

Activities and Achievements:

- **Supported** the ACMA Climate Impacts / CIRCLE Project sustainability activities and education.
- **Produced** a comprehensive resource list of composites recyclers in the U.S. that ACMA members can use to make the initial inquiries on how to recycle their composites scrap.
- **Completed** the ACMA / IACMI Composites Recycling Project to study, commercialize the scale-up, and growth of recycling technologies.
- **Established** the Global Composites Sustainability Coalition, a global committee of organizations that provides leadership through cooperation, shared practices, and projects to improve the sustainability of composites.
- **Created** a composite recycling supply chain for composite materials, particularly wind blades. As part of this initiative, the CSC provided a market study to the Electric Power Research Institute (EPRI) to explore options for wind blade recycling.
- **Provided** direction, content, and organized the past ACMA Composites Recycling Conferences that attracted global experts and industry professionals.
- **Collected** raw industry data on the most common composites materials and processes that was converted into Life Cycle Inventory (LCI) data and populated the US Life Cycle Inventory (LCI) database. This project laid the foundation to allow composites manufacturers to conduct LCA of their products to quantify the sustainability of their products and compare them to competing materials.
- **Created** an industry reference library on LCA studies for the composites industry.

Current and Future Projects:

- **Education:** Develop a study to capture the use phase benefits of composites.
- **Marketing:** Support the development of educational materials for the composites industry helping composites manufacturers to reduce their climate impacts and educate their customers about the climate benefits of using composite products.
- **Standards:** Support other CGI committees in standard and specification development to characterize sustainability and recycling of composites for those standards including development of PCR's for products.
- **Outreach:** Engage with global trade associations to coordinate activities and target end-user industries to inform, educate, and implement composite recycling programs.

For more information or to join this committee, contact the Composites Growth Initiative at cgi@acmanet.org

703.525.0511

703.525.0743

info@acmanet.org

AMERICAN | COMPOSITES | MANUFACTURERS | ASSOCIATION

2000 N 15th St., Ste. 250, Arlington, VA 22201

www.acmanet.org

ACMA
AMERICAN | COMPOSITES | MANUFACTURERS | ASSOCIATION



MEMBERSHIP

Manufacturers:

- ✓ Avient
- ✓ Brand FX Body Company
- ✓ Core Molding Technologies Inc.
- ✓ Deceuninck North America
- ✓ Gordon Development, LLC
- ✓ Insituform Technologies, Inc.
- ✓ Kreysler & Associates, Inc.
- ✓ Mar-Bal, Inc.
- ✓ Marshall Composite Technologies, LLC
- ✓ Marvin Composites LLC
- ✓ McClarin Composites
- ✓ Molded Fiber Glass Companies
- ✓ Shawcor
- ✓ Teijin Automotive Technologies
- ✓ Vartega
- ✓ Xerxes Corporation

Academics:

- ✓ Cegep Saint-Jerome
- ✓ Clemson Composites Center
- ✓ Kansas State University
- ✓ Roane State Community College
- ✓ Salt Lake Community College
- ✓ Skagit Valley College Marine Technology Center
- ✓ University of Alabama at Birmingham
- ✓ University of Delaware - CCM
- ✓ University Of Massachusetts Lowell
- ✓ University Of Miami; Civil, Architectural, & Environmental Engineering
- ✓ University of Tennessee Knoxville

Suppliers and Distributors:

- ✓ AOC
- ✓ Arkema
- ✓ Brown's Milling & Industrial Supply
- ✓ Composites One, LLC
- ✓ Covestro LLC
- ✓ Endeavor Composites
- ✓ Environmental Living Industries
- ✓ Fairmat
- ✓ INEOS Composites
- ✓ Interplastic Corporation
- ✓ IPCO US, LLC
- ✓ Johns Manville
- ✓ Jushi Canada Fiberglass Co., Ltd.
- ✓ Nippon Electric Glass Co., Ltd.
- ✓ Owens Corning
- ✓ Polynt
- ✓ Scott Bader
- ✓ SGL Carbon Fibers, LLC
- ✓ Toray Composite Materials America, Inc.
- ✓ United Initiators, Inc.
- ✓ Zoltek Corporation
- ✓ 9T Labs

Consultants/Associations:

- ✓ Allbro Industries Pty Ltd
- ✓ Benchmark International LLC
- ✓ Composites Association of New Zealand
- ✓ Composites Designs & Technology
- ✓ Environmental Compliance & Risk Mgmt. Inc.
- ✓ Frost Engineering & Consultants
- ✓ FX Consulting LLC
- ✓ Lucintel
- ✓ Partners Environmental Consulting
- ✓ Rhode Island Marine Trade Association
- ✓ Sustainable Composites
- ✓ Toden Industries