



## HIGH PERFORMANCE COUNCIL

The mission of the High Performance Council (HPC) is to promote the design, development, manufacturing, and use of composites in demanding applications across industries such as defense, aerospace, automotive, advanced air mobility, wind and other alternative energy, cryogenic, compressed gases, sporting goods, and medical where high performance composites often outperform traditional materials in a multitude of criteria.

### Activities and Achievements:

- **Supported** the development of the technical program for the ACMA Thermoplastic Composites Conference in March 2022.
- **Conducted** special briefings for members from key OEMs in aerospace and defense markets.
- **Educated** government officials and federal agencies on composites technology materials, processes and advancements.
- **Developed** the technical program and executed the Composites Technology Day event for Spirit AeroSystems, VW, Northrop Grumman, Hyundai-Kia, GM, and Advanced Air Mobility.
- **Delivered** webinars on critical high performance composites technologies to educate the composites industry on advancements in the industry.
- **Hosted** OEM tours with Airbus in Europe, and SpaceX and Northrop Grumman at their manufacturing sites in the U.S. Conducted discussions on needs and priorities.
- **Presented** a composites panel to 127 OEM Representatives May 2018, in Santa Clara at the Internet of Things conference.
- **Supported** ACMA's Climate Impact Reduction through Composites Lifecycle Evaluation (CIRCLE) program to proactively address sustainability needs and demands of the automotive composites industry with the performance of composites.
- **Supported** the CIRCLE program's objective of creating ACMA's LCA+EPD Generator and associated tools, including the LCA Fact Sheet Generator. This tool produces life cycle assessments (LCA) fact sheets for non-construction composite products that do not require a full Environmental Product Declaration (EPD).

### Current and Future Projects:

- **Education:** Conduct a Composite Technology Day at an aerospace or defense OEM. Create a communications tool to help members to inform and foster conversations with designers, engineers, and other stakeholders.
- **Marketing:** Identify opportunities for members to participate and connect directly with leading OEMs globally to identify emerging business opportunities.
- **Outreach:** Partner with other organizations and participate in conferences to promote composite materials and manufacturing. Explore new opportunities with OEMs in multiple markets.

For more information or to join this committee, contact the Composites Growth Initiative at [cgi@acmanet.org](mailto:cgi@acmanet.org).

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AMERICAN | COMPOSITES | MANUFACTURERS | ASSOCIATION

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🌐 [www.acmanet.org](http://www.acmanet.org)

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## MEMBERSHIP

### Manufacturers:

- ✓ AG Advanced Composites
- ✓ Aquatic Leisure Technologies Inc.
- ✓ Ashley Industrial Molding Inc.
- ✓ Atomic – 6
- ✓ Avient
- ✓ CHOMARAT North America
- ✓ Gordon Development, LLC
- ✓ Hendrickson Composites Dayton
- ✓ McClarin Composites
- ✓ Norplex Advanced Composites
- ✓ Norplex-Micarta
- ✓ Pacific Engineering, Inc.
- ✓ PRC Composites LLC
- ✓ Raven Carbon Fiber
- ✓ Sika Corporation
- ✓ Teijin Automotive Technologies

### Affiliates:

- ✓ Cegep Saint-Jerome
- ✓ Clemson Composites Center
- ✓ Kansas State University – Salina Campus
- ✓ Mississippi State University – Advanced Composites Institute
- ✓ Oak Ridge National Laboratory
- ✓ Purdue University
- ✓ Sustainable Composites
- ✓ Technoir LLC
- ✓ University of Delaware - CCM
- ✓ University Of Massachusetts Lowell
- ✓ Utah Advanced Materials and Manufacturing Initiative

### Suppliers and Distributors:

- ✓ Axel Plastics Research Laboratories, Inc.
- ✓ Composites One, LLC
- ✓ Covestro LLC
- ✓ Endeavor Composites
- ✓ Fairmat
- ✓ Fives
- ✓ Freudenberg Performance Materials
- ✓ IDI Composites International
- ✓ INEOS Composites
- ✓ IPCO US, LLC
- ✓ Johns Manville
- ✓ Kaneka Aerospace LLC
- ✓ KraussMaffei Corporation
- ✓ Luna Innovations, Inc.
- ✓ Montana Advanced Composites
- ✓ Olin Epoxy
- ✓ Owens Corning
- ✓ Polynt Group
- ✓ RTM North LTD
- ✓ Scott Bader
- ✓ Teijin Carbon America, Inc.
- ✓ Toray Composite Materials America, Inc.
- ✓ Trillion Quality Systems
- ✓ Vectorply Corporation
- ✓ Zoltek Corporation

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