

IDI Composites International

Responsible Sustainable Manufacturing



Ideas For Meaningful Results.

idicomposites.com

The Future is Now

One of the core tenets that drives IDI Composites International is a long-term commitment – to our customers, to the composites industry, and to the communities in which we operate. That also includes our commitment to developing more sustainable materials and processes with the aim to reduce our impact on the environment.

Our commitment is reflected in the resources and work we are dedicating first to understand the sustainability challenge before us and then to execute our plan toward addressing it. Through this work, **IDI aims to be an industry leader in reducing carbon emissions through processes, material innovations, and recycling practices.**

What We Know Today

In 2022, IDI kicked off a global, multi-phased project to develop our Sustainability Roadmap with the help of experts at Forward Engineering. The project encompasses manufacturing facilities in North America, Europe, and China with the objective of establishing the current carbon footprint of our highest use materials.

Our cradle-to-gate LCA studies have shown the Global Warming Potential of IDI Sheet Molding Compound (SMC) compares favorably to that of steel, aluminum, and thermoplastics.

The LCA for our material, however, is only one part of the story. To truly understand the carbon footprint of products made with IDI SMC, review the case study on the following page comparing an EV battery cover made with IDI SMC versus steel. Even with end-of-life considerations, SMC is the superior material.



Smarter Sourcing

IDI is partnering with innovative suppliers to help ensure that our raw material resources come from recycled sources or are bio-based whenever possible versus using only virgin materials. Our material sourcing process helps to ensure that the materials that go into our products, help make our finished materials as environmentally friendly as possible.



Smarter Factories

We undertake studies to ensure that our manufacturing facilities are as earth-friendly as possible in an effort to reduce the carbon footprint in our workplace. Great thought goes into the design and construction of our facilities to minimize their impact on the environment and maximize energy efficiency.

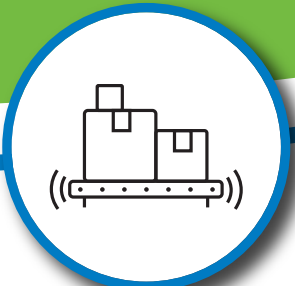
We're Just Getting Started

While we know that SMC offers a better carbon footprint than other materials, we are working to develop materials with an even better carbon footprint.

IDI is driving the commercialization of new innovative solutions drawing on the resources of the global IDI organization together with our worldwide value chain partners. This includes a mix of application specific development projects and industry collaborations through our support of industry leading trade associations ACMA and IACMI.

Multiple parallel strategies are required. Some of the most promising include:

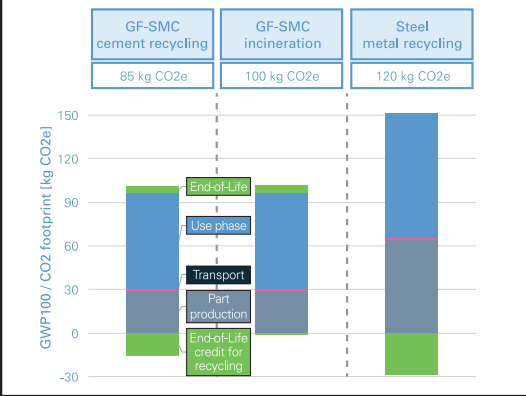
- **Bio-based materials**
Work with raw material suppliers, resin producers as well as producers of natural and bio-based additives and reinforcements to qualify new compounds
- **Recycled materials**
Work with generators, aggregators and processors to develop a capable supply of recycled feedstocks for our entire portfolio of products
- **Green energy**
Power our factories with green energy and supporting its use up & down the supply chain



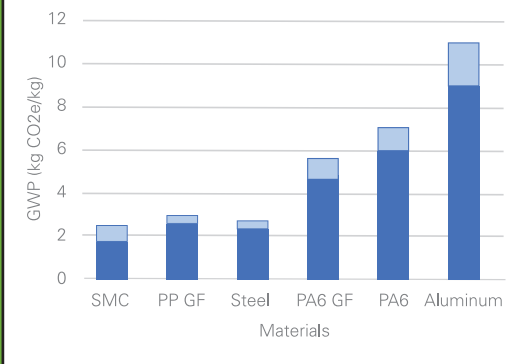
Smarter Manufacturing

It is paramount that our manufacturing processes are as efficient as possible. This is best practice for our customers and best for a healthy planet. Our ongoing system better utilize raw materials, and incorporate energy efficient production all designed to minimize negative impact on the planet.

EV Battery Cover Case Study



CO2e Emissions



Smarter Products

The very nature of our innovative composite materials help our customers design and manufacture lighter, stronger and longer lasting products. The greater life expectancy of products helps ensure and safeguard our planet's natural resources.

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IDI Global Locations



IDI Composites International (IDI) is the premier global formulator and manufacturer of thermoset molding composites and compounds for OEMs, Tier 1s and molders. IDI provides standardized and customized polyester/vinylester-based sheet molding compounds (SMC), bulk molding compounds (BMC), and new lines of high performance composites, Ultrium™, Fortium™, Flamevex™ and Alluralite™ that are manufactured for the most demanding applications.



The 3i Composites Technology Center is the research and development division of IDI Composites International, with locations in both North America and Europe. Due to increased demand from OEMs, Tier 1s and molders for stronger, lower density and higher performing materials, the 3i Technology Center was founded to meet these industry-wide demands.

4/2023



GLOBAL LOCATIONS GLOBAL SOLUTIONS



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United States
Noblesville, Indiana

Europe
Vineuil, France

United Kingdom
Oldbury, UK

Asia/Pacific
Shanghai, China

Caribbean
Aguirre, Puerto Rico

Mexico
Mexico City, Mexico