Diab

STEP INTO THE FUTURE

LIGHTWEIGHT CORE MATERIALS FOR SUSTAINABLE SOLUTIONS

LET'S GET CIRCULAR

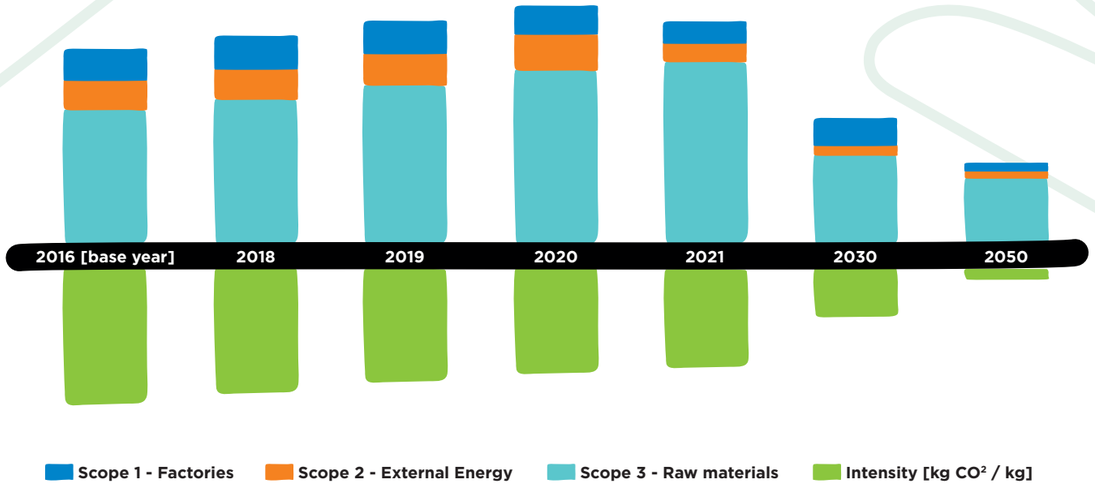
diabgroup.com

CHOOSE A PARTNER THAT IS CIRCULAR AT ITS CORE

We offer industry-leading competence and the broadest range of stronger, lighter, smarter materials. Since our start over 70 years ago, we have developed, improved, and fine-tuned the technology. Now stepping into the future we are on an ambitious journey to fully embrace a circular economy creating a whole new level of sustainability.

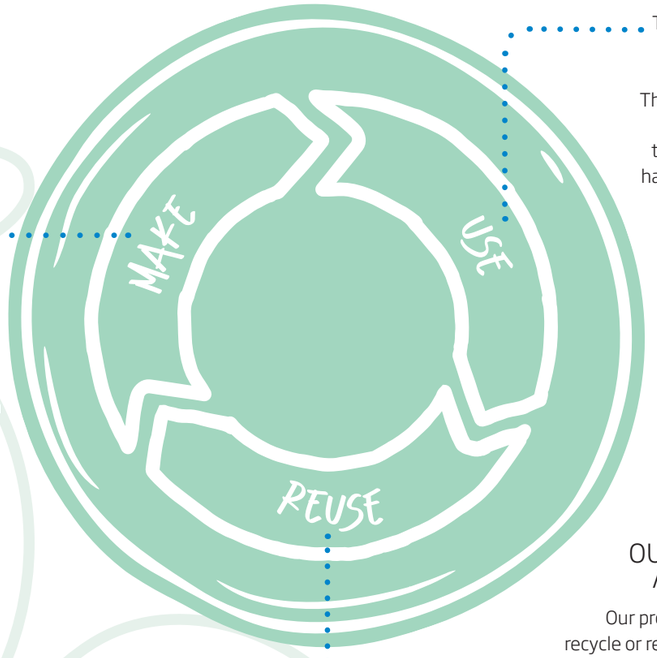
By 2030, the world's CO_2 emissions must be reduced by 45%, and we must reach net zero by 2050. This means that companies urgently need to transform into low-carbon business models. Partly because of rising costs for emissions but mostly because climate change is an imminent threat to humanity. That's why we have committed to the UN Global Compact Science Based Targets, making a long-term statement to continuously focus on our sustainable development, actively work to reduce our carbon footprint and develop new ways to recycle and use recycled materials. We aim to become an ESG leader in our industry.

We are the only company in our industry reducing our carbon footprint in line with Science Based Targets. That means we have committed to a global program of companies reducing the carbon footprint in line with what is defined in the Paris agreement to keep the planet below 1.5 degrees overheating.



SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Diab has a documented plan to reduce the carbon footprint of our products approved by UN Global Compact Science Based Targets.



WE MAKE

We make products with recycled raw materials, which lowers our carbon footprint in line with the Science Based Targets and, thereby, our customers' carbon footprint. We have high sustainability goals, use renewable energy in our plants and are researching bio-based raw material alternatives.

CUSTOMERS USE

The customer can use a recycled product in their application, lowering their carbon footprint. The lower weight also contributes to a lower footprint during the total life cycle. Our materials also have an extreme life span, making them beneficial in the life cycle assessment.

OUR CUSTOMERS AND WE REUSE

Our products are possible to recycle or reuse. Transparent and clear information about the included materials' content makes recycling easier. That makes it possible to reuse foam from one application to produce new foam or use it in other products.

OUR CIRCULAR BUSINESS MODEL

The materials you buy affect the applications you make and sell. We are implementing a circular business model to start a chain effect. Instead of a linear model where materials travel through the system in one direction, it could be circular both in sales and sourcing. For example, if we can reuse post-industrial plastic waste from our own and customers processes, we can reduce carbon footprint as well as waste handling costs.

The effort to reduce our carbon footprint goes beyond the single company. Supporting our suppliers in lowering their emissions also benefits our products which, in turn, benefits our customers. It's a chain effect that works in both directions.

ALL TYPES OF PLASTICS NEED TO BE RECYCLED

Post-consumer plastics are plastic waste consumers generate after use, such as packaging, bottles, and containers. Post-industry plastics are plastics that are generated during the manufacturing process and are not sold to consumers. Today the big focus on using post-consumer plastic for recycling is limiting the use of post-industry plastics. But to reduce the carbon footprint, we must use both types and not downgrade them. For instance, a food-grade plastic bottle should become a food-grade plastic bottle again in a closed-loop recycling process.

Doing so will benefit manufacturers and the environment by, for example, providing a continuous supply of recycled raw materials and reducing the reliance on virgin plastics. It will also increase the diversity of available recycled materials and support closed-loop recycling.

NEW ADDITIONS TO OUR CIRCULAR FOAM CORE MATERIALS PORTFOLIO

Our new range of PET foam core materials with excellent resin uptake suits many applications, making the sandwich core solution lighter and more sustainable than ever.

DIVINYCELL PR is a sandwich core made of up to 100% recycled PET to meet environmental directives and commitments – a genuine, circular, sustainable product for various applications and processes. Divinycell PR has good compression and shear properties, high dimensional stability at elevated temperatures, and a closed cell structure with low resin uptake and good thermal insulation properties.

DIVINYCELL PL is our high-performance PET core material. It is recyclable, made from recycled content, and can be used for various applications and processes. Divinycell PL has a very low resin uptake, high compression and shear properties, and high dimensional stability at elevated temperatures.

DIVINYCELL PA60 is a low-density, fully recyclable PET foam for automotive and mobility transportation applications. It's an excellent foam core for thermoforming, compression moulding, and standard press bonding operations. Soft weld lines enable the aesthetic surface of finished sandwich parts in automotive and other interior applications.

A BROAD RANGE OF SUSTAINABLE FOAM CORE MATERIALS

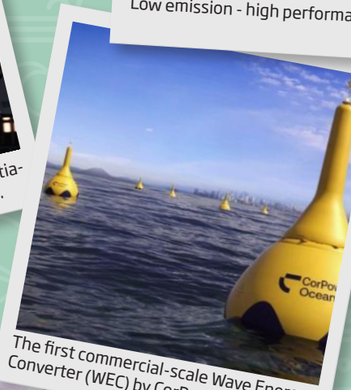
Divinycell PVC, PET, PES, PEI – Our full range of foam core materials with excellent strength-to-weight properties are used in multiple industries and available in a wide density range.

SOME EXAMPLES OF SUSTAINABLE APPLICATIONS

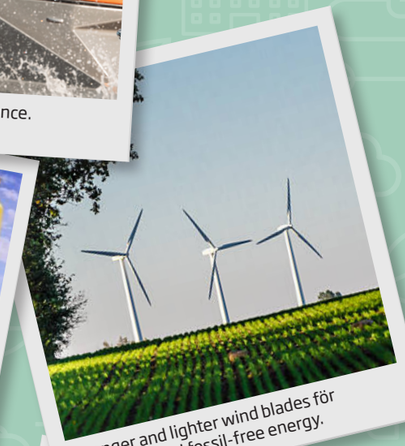
It's time to get circular, and Diab is taking the lead in becoming the core partner for companies searching for sustainable products and solutions. Here are som examples.

Nanotures' sliding composite roof for Santiago Bernabeu, the stadium of Real Madrid.

Low emission - high performance.



The first commercial-scale Wave Energy Converter (WEC) by CorPower Ocean.



Stronger and lighter wind blades för renewable and fossil-free energy.

100% thermoplastic and recyclable aerospace panels.

Fast, strong and efficient light-weight electric boats.

Fuel-efficient and sustainable electric vehicles.

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Diab Leaflet Let's get circular Jan 2024

Diab is a world leader in sandwich composite solutions that make customers' products stronger, lighter and smarter. Diab provides a range of core materials, cost-effective kits and finishings, along with in-depth knowledge on composites. Diab also provides engineering services for composite technology through Composites Consulting Group (CCG). Diab is a participant in the UN Global Compact.