DRÄXLMAIER

Sustainable Products

Proactive Sustainability

By conviction

We assume responsibility

At DRÄXLMAIER, we have always set standards – not only in terms of our products, but also in regard to their sustainability. Long-term responsible thinking forms the basis of economic success in our family-run company.

Thinking globally, acting locally – our strong Lower Bavarian roots and the international character of our organization enable us to take a holistic approach to sustainability. This makes us aware of our responsibility.

Individual mobility is one of the greatest challenges of our time. DRÄXLMAIER thus focuses its innovative power on finding sustainable ways into the automobile future. A core element of our strategy is therefore to make our business and production processes and our products more sustainable and, in that way, to ensure the long-term competitiveness of our company.

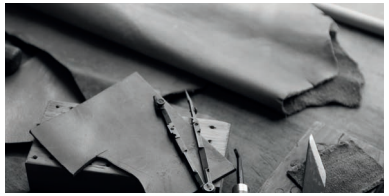
There is no future without a past

Sustainable throughout generations

The DRÄXLMAIER family has been placing innovations and products on the market with a long-term focus for more than 140 years. DRÄXLMAIER was quick to establish sustainability management in its organization, which shows that sustainable thinking is part of our corporate DNA.

1875

Our origin:
processing leather as a natural, sustainable material



1958

Incorporation of the company by Lisa and Fritz Dräxlmaier Sr. and first order for the Goggomobil. Sustainability was already an issue in this first project, in which adhesives were saved by using a screen printing process

1974

First foreign site in Tunisia.

1990

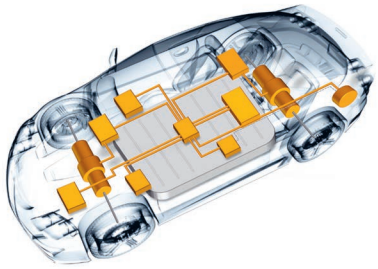
DRÄXLMAIER revolutionizes the architecture of vehicle electrical systems: The customized wiring harness is much lighter in weight and enables efficient use of resources in production.

2000

First door carrier made of renewable raw materials for the Audi A2

2009

Green light for battery development.



2010

Introduction of DRÄXLMAIER Green Logistics.

2012

Sustainability Management established as an organizational unit and endowed chair at the University of Applied Sciences in Ingolstadt, Germany.

2013

Door paneling with visible natural fibers in the BMW i3 goes into series production.

2014

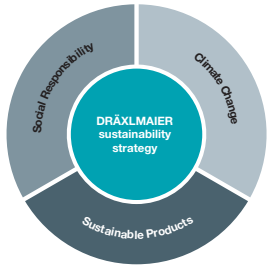
First series order for the D3F center console and side covers for the BMW 5 Series

2016

Complete battery system for the Porsche Taycan.

2020

Sustainability is firmly anchored in our strategy. We want to reduce the net climatic impact of our products by 2050.



Our global mindset

Thinking globally, acting locally

Our roots prompt us to take a holistic view of sustainability, both on a local and global scale. This approach is reflected in three goals for sustainable development: assuming social responsibility; countering the climate change by consistently saving emissions; producing sustainable products.

Social responsibility
The mankind is always at the centre of our actions. We show responsibility for our employees and their families. We actively support the needs of people in the supply chains. Our actions are based on the United Nations Guiding Principles on Business and Human Rights.

Climate change
We are committed to following the requirements of the Paris Climate Agreement and to operating without negative effect on the climate by no later than 2050 by consistently reducing emissions. Strategic efficiency measures in logistics and production, as well as an ecological supply of energy at our sites (green electricity, heating, etc.) are tokens of our commitment.

Sustainable products
Ecologically efficient products reflect the mindset of the DRÄXLMAIER Group and generate added value for the customer. We perceive sustainable products as those incorporating social and ecological criteria, from the procurement of material to delivery of the product. We want to identify, evaluate and constantly improve the ecological effects of the materials and processes we apply.

DRÄXLMAIER Group **eco**solutions

Firmly embedded in added value

In order to be able to implement our ambitious sustainability goals, we have launched the corporate program, DRÄXLMAIER ecosolutions.

DRÄXLMAIER ecosolutions incorporates all the process steps along our value chain – our actions are guided by the concept of sustainability, from the very first idea of a product, to implementation and delivery, right up to spare parts service.

To obtain a realistic picture of sustainability along the whole value chain, we evaluate all our process steps in an integrated approach to emissions, and we incorporate the environmental performance of our plants in our product footprint.

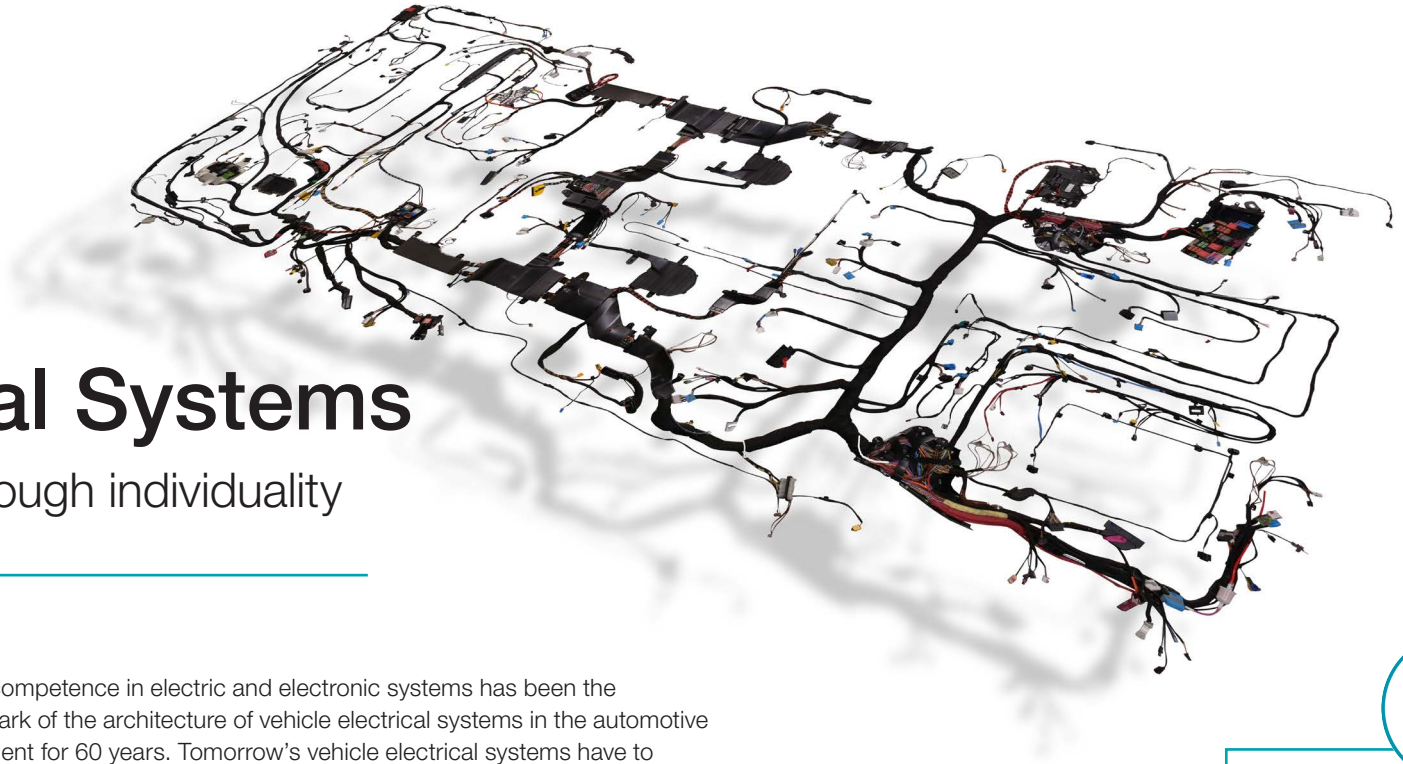
Green Production

Reducing our corporate carbon footprint

Sustainable product manufacturing is one of the major levers for sustainability at DRÄXLMAIER that affects many of the process steps. It starts with the choice of our sites, which are selected according to sustainability aspects, among other things, and it continues with the management of our suppliers and their supply chains, with sustainable production that is achieved with efficient processes, with the use of environmentally materials, and finally, with Green Logistics.

87,000 km with Liquefied Natural Gas

In order to make the whole supply chain more sustainable and to avoid merely focusing on the individual sites, we put great emphasis on Green Logistics. We have been using LNG trucks over the entire distance of 87,000 km since 2017. The aim is to continue expanding transport activities with LNG trucks and thus ensure sustainability along the whole value chain.



Electrical Systems

Sustainable through individuality

Our competence in electric and electronic systems has been the hallmark of the architecture of vehicle electrical systems in the automotive segment for 60 years. Tomorrow's vehicle electrical systems have to meet high demands – even in regard to their sustainability.

Our overall expertise enables us to optimally design vehicle electrical systems. We consistently pursue this all-embracing approach with the electric contacts and components we make for wiring harnesses.

Our competence in development enables us to optimize the topology and architecture of wiring harnesses to reduce the number of wires, cable lengths and cross-sections, and thus ultimately reduce the overall weight of the product. To do that, we use aluminum cables whenever we can.

These efforts are supported by suitable, innovative production procedures and processes. This is how we manage to consistently implement the concept of sustainability and to design the central nervous system of the car in an environmentally efficient way.

Use of thermoplastic resin in the bracket for the vehicle power distributor

Improvements to small components play a major role in the carbon footprint of the vehicle. The use of polypropylene instead of polyamide in the bracket of the power distributor in the vehicle allows about 85% of CO_2e to be saved by reducing material and weight.

E-Mobility Systems

Increased performance with minimum of mounting space

Since 2009, we have been operating in the segment of electromobility, which makes us one of the pioneers and first movers in the market. We offer our customers a complete package that prevents the loss of performance in the system and contributes to perfect overall performance.

In addition to power and safety, we place special importance on saving weight and installation space to put a sustainable mobile future on the roads.

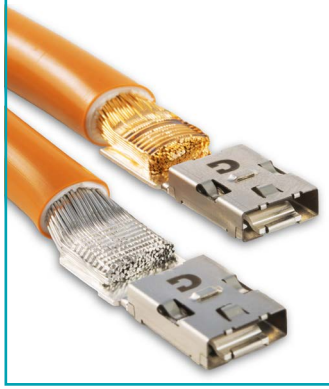
Mastering the 800 volt technology in particular makes us an enabler for e-mobility: Contrary to the conventional 400 volt technology, this method achieves almost twice the road performance with hardly any changes in the installation space of the batteries and control boxes.

Saving material by measuring the battery cell module

A small but significant process improvement can save material in the manufacture of battery cell modules: The cell module is measured, thus enabling the material to be injected precisely, so that 33% of CO_2e can be saved compared with the previous method, which was applied without measuring the cell module.

dHPT – DRÄXLMAIER High Performance Terminal

Our dHPT delivers up to 12% more performance with the same installation space and thus has very high current and voltage capability. This improved performance with the same weight can achieve a CO_2e saving of 10%.



Connector Systems

Sustainable through perfect performance

Even minor elements account for a large proportion of the overall system and therefore contribute to sustainable mobility:
Our contact and connector systems for high-voltage and low-voltage applications are perfectly designed and optimally dimensioned for the required loads.

They particularly help us align all aspects of e-mobility and electrical systems as safely and efficiently as possible, saving weight and resources

Here, too, our system competence is demonstrated by our ability to focus on the overall system to ensure perfect interaction of all the components.

Interior Systems

Light and natural – with innovative processes

Our mobility is changing, and so are vehicle interiors. DRÄXLMAIER places considerable emphasis on combining high-performance, fascinating technology with elegant, and above all, sustainable design.

Innovative, resource-efficient processes and the use of sustainable materials enable us to more than satisfy the demands of our customers and to act with a responsible attitude.

This includes, for example, the use of visible natural fibers as premium surfaces in the vehicle or processing recycled plastics. In combination with resource-efficient processes, such as position joining or our patented D3F method (DRÄXMAIER Fast Fiber Forming), material can be saved, thus allowing substantial weight reduction. That way, we make a considerable contribution to sustainable vehicle interiors of the future and help our customers achieve their sustainability goals.

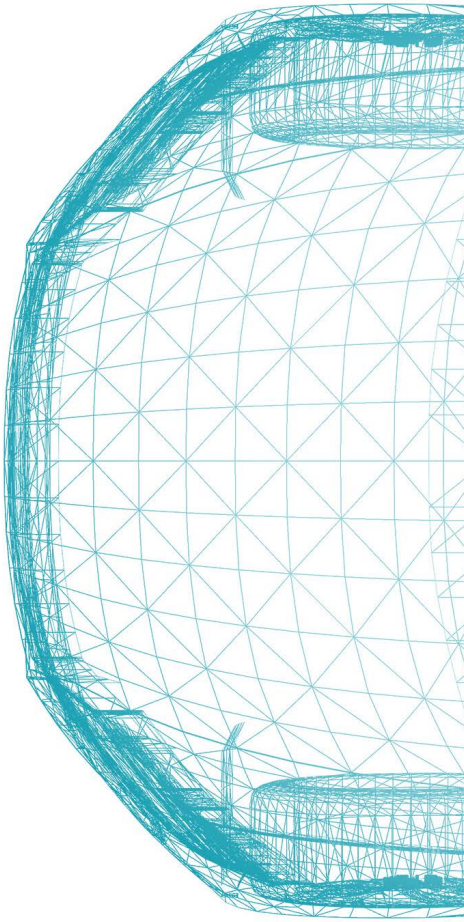
Replacing magnesium with plastic in the display composite substrate on the instrument panel

The material of a display composite substrate, which is usually made of magnesium die-casting, was replaced by long glass fiber-reinforced plastic (ABS LGF). By processing the new raw materials and reducing the weight of the part as compared to using magnesium die-casting, a reduction of about 90% of CO_2e can be achieved

The DRÄXLMAIER system competence

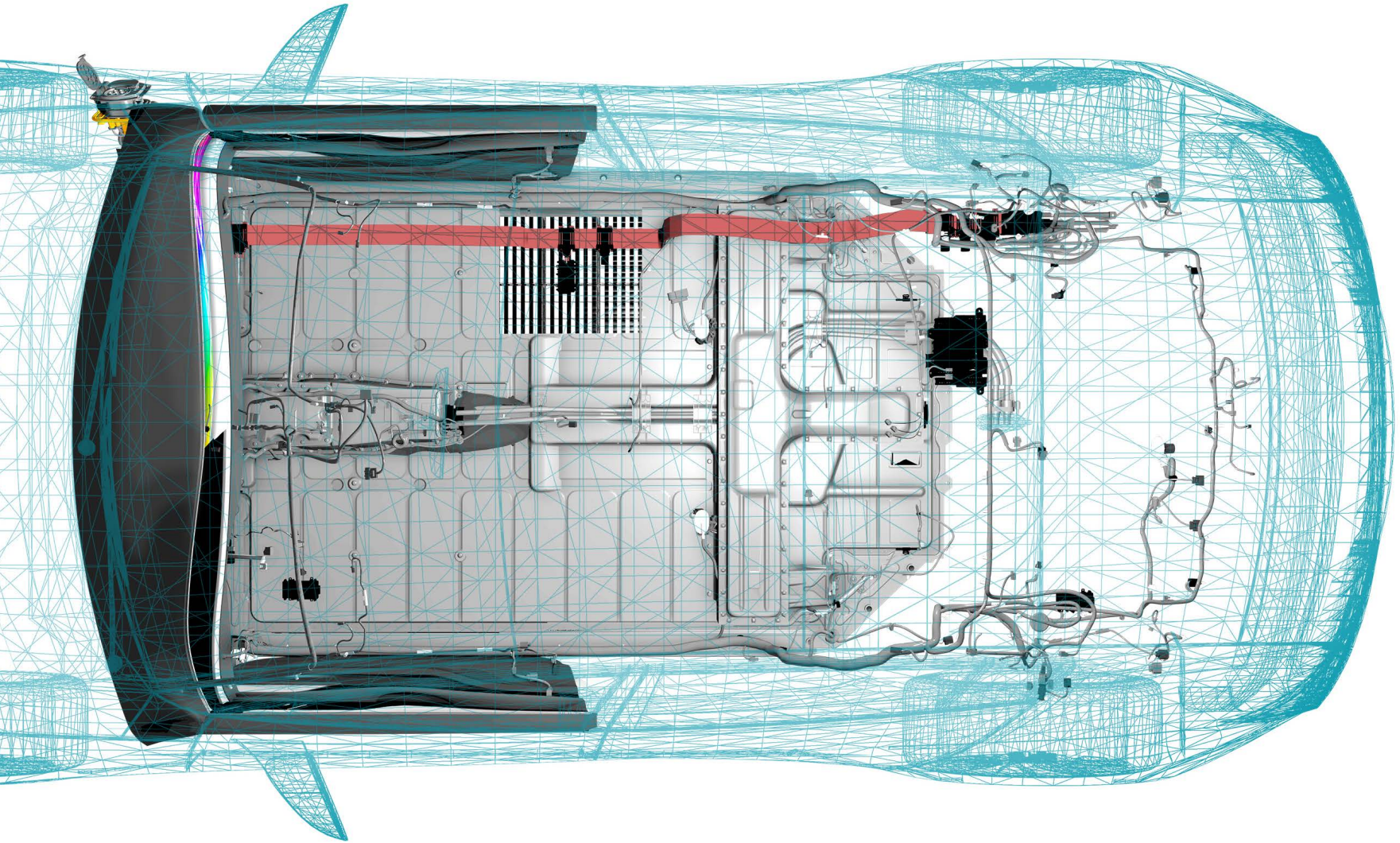
Sustainable through perfect interaction

We are system partners for electromobility, complex vehicle electrical systems, key electric and electronic components, and exclusive interiors. Creating synergies through the perfect interaction of our products across all the segments is our specialty.



Electrical Systems

Our overall competence in electric and electronic systems promotes optimal design of the vehicle electrical system. This saves weight, installation space and energy.



E-Mobility Systems

We supply the complete system for e-mobility. With the help of our electrical components and connectors, we can ensure optimal transmission of energy and increased efficiency with the same or less installation space.

Connector Systems

Our connector systems ensure perfect connection. Connector systems that are optimally designed and dimensioned for the required loads enable perfect interaction of all the components.

Interior Systems

Our mission is to develop fascinating technology and elegant design. The use of sustainable materials and resource-efficient manufacturing processes plays an essential role in interior systems. Both promote lightweight construction that achieves higher performance with less weight.

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