DRIVEN BY **INNOVATION**





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FOCUSED ON WHAT WILL GET US MOVING TOMORROW

urbanisation and individualisation. For us, as a manufac- ern, durable, robust and economical seats and seating periods. turer of seats for buses and trains, this is a challenge that systems, which are sophisticated in terms of their design we are only too happy to accept: because it is our mission and technology. We also offer customer-oriented, indi- **One step ahead of the future** to make every single journey as safe and comfortable as vidual seat solutions for special requirements. Bus seats With experience, professionalism and passion, a compepossible for the passengers – regardless of whether it lasts account for around 60 % of our business; train seats repjust a few minutes in the city tram or underground or sev-resent 40 %, and this segment is gaining in significance. eral hours cross-country in a long-distance coach. But it is not only the travellers who have specific requirements The heart of the Group is in Nördlingen, where around 300 the challenges of the present and, above all, of the future. for our seats: our customers, the manufacturers of rail- people are employed: this is where the headquarters and way vehicles and buses, expect us to produce seats that the management board are based, and the entire product Aspects such as digitalisation, universal access, ergonomy, eventualities, from basic to luxury features, depending on role is played by production in Nördlingen: today, we prithe intended purpose.

Premium thanks to experience and innovation

brought together every day in the work of around 1,300 cations throughout the world – often adapted to coun- That is what we live for here at Kiel – every day. employees throughout the world with a focus on the fu- try-specific wishes and requirements. Thus, Kiel has a ture and a very high level of innovation: the German compresence in almost all European markets, as well as in pany has worked with passion to make premium seats for North America, Australia, the Middle East and Asia. This the international bus and train industry since 1945.

marily manufacture various seats for trains and automotive applications here.

At Kiel, more than 70 years of tradition and experience are In addition, we produce different models in our other loallows us to offer our variety of products throughout the

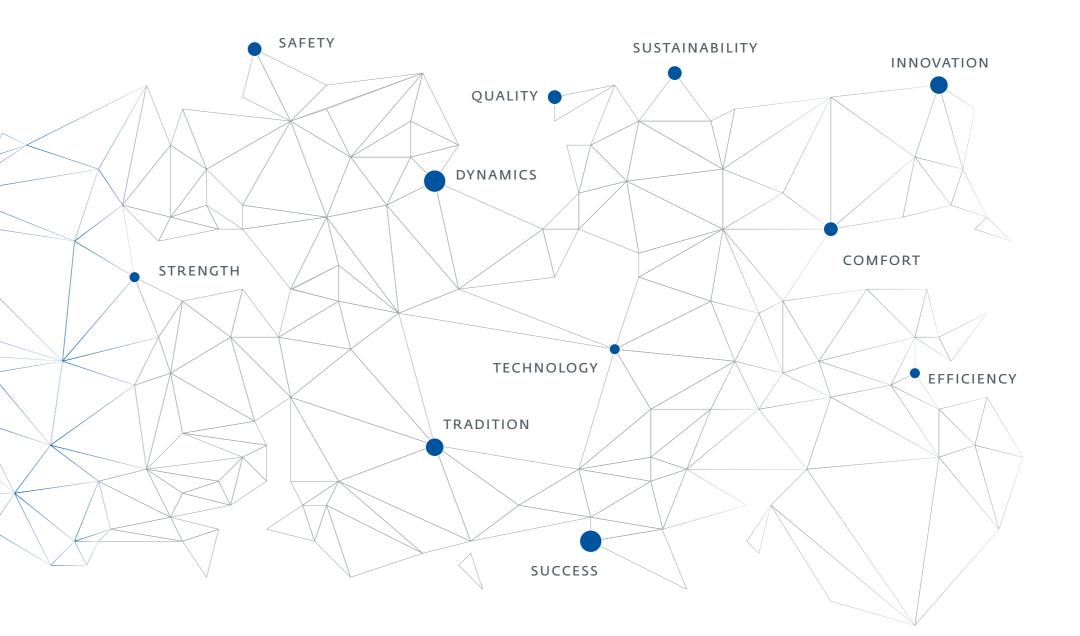
We live in an age in which people are becoming increas- With our products, we cover the entire range of local, re- world and to guarantee the greatest possible proximity ingly mobile due to mega trends such as globalisation, gional and intercity transport and offer extremely mod- to the customer, efficient coordination and short delivery

tent team, a powerful international network and the best possible technical conditions at the production sites, we at Kiel are optimally positioned and more than ready to accept

are increasingly economical, robust and light and cover all development takes place here. Traditionally, an important safety and not least a conservation of resources are important, dynamically changing areas which define our development work. Our goal is to have the answers today to the mobility questions of tomorrow and to always be a decisive step ahead with innovative and intelligent products.

WHAT WE STAND FOR AT KIEL







BUS SEATS

Kiel offers its customers an extensive range of bus seats In all our models, we attach great value to a modern, for every requirement: this includes numerous models brand-specific design, innovative extras and the utmost for the three areas of local transport, regional transport ergonomy and safety for the passenger. and intercity transport. To suit the customers' wishes, we manufacture both entire seating systems for buses and Our seats comply with the important desire for cost-effeccustomised seat solutions.

tiveness by using modern materials to reduce the weight as much as possible.

A major advantage for our customers is, in addition to the wide selection, the varied options for customisation, which go far beyond the determination of the cover material: thus, the seats can be individually adapted to the requirements of the customers or of their passengers.

LOCAL TRANSPORT:



versatile robust lightweight durable economical

) CITOS

) ESOS

REGIONAL TRANSPORT:



attractive design economical flexible

) LEXXO

> LEXXO CT

> LIGERO

INTERCITY TRANSPORT:

luxurious with many variations comfortable ergonomical safe

> AVANCE VIP	AVANCE 2010
AVANCE 1020	AVANCE 2050
AVANCE 1022	AVANCE 3010
AVANCE 1030	AVANCE X



and the second sec

TRAIN SEATS

seats and seat systems for local transport, regional trans- terion for seats for railway vehicles. The available space in port and intercity transport. Common to all the seats: in the carriage should also be used as efficiently as possible the best Kiel tradition, they combine quality, individuality, due to a skilful construction. In many models, a number of cost-effectiveness and safety with innovative ideas and an elements and attachments allow individual requirements attractive design.

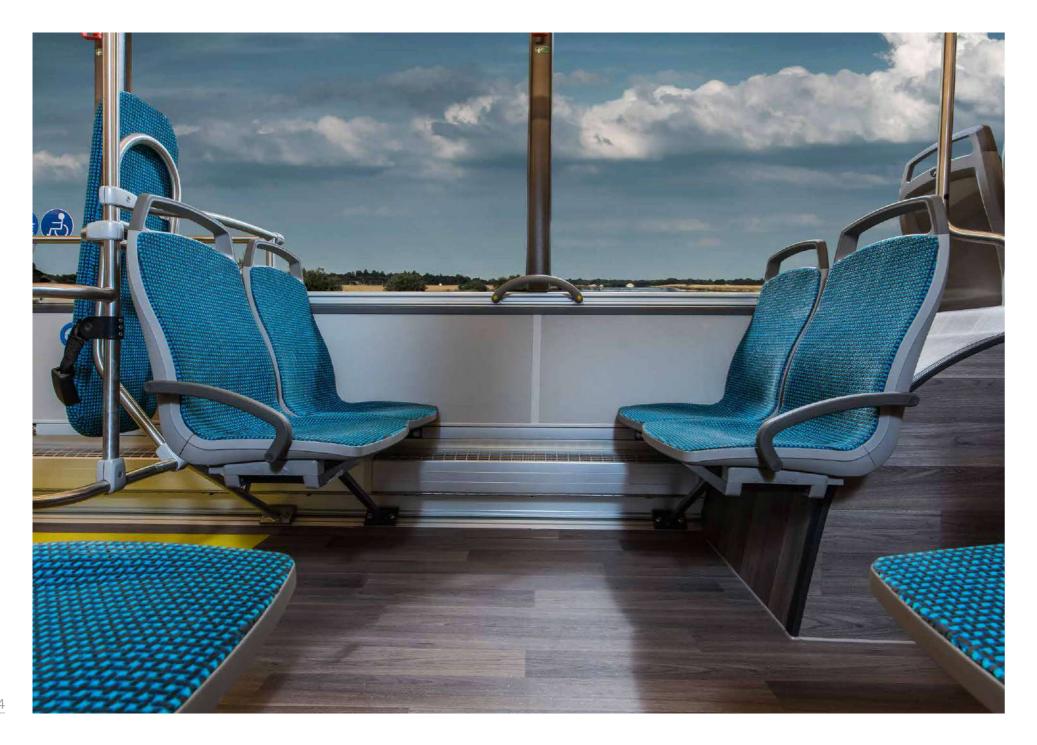
In the train seats segment, Kiel offers a wide range of As in the bus segment, a low weight is an important crito be met exactly. Robustness and protection against vandalism are also required in local railway transport, in particular. At Kiel, we accomplish all this with a wide range of seat models, from a simple plastic or wooden bucket seat to a luxury seat for long-distance passenger trains with the full range of features.

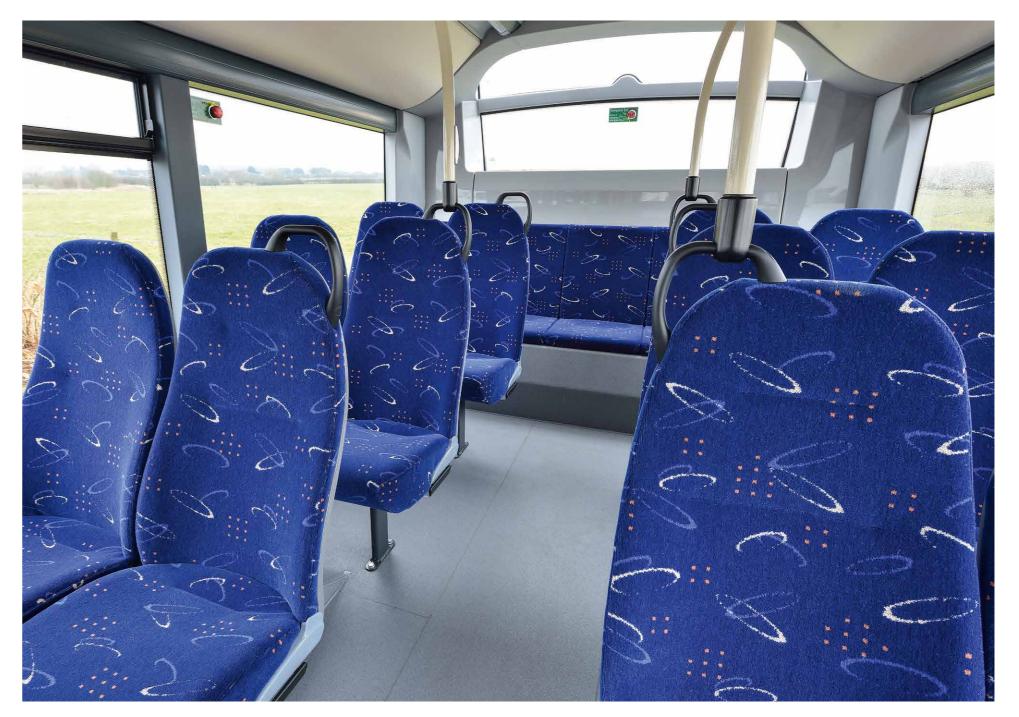


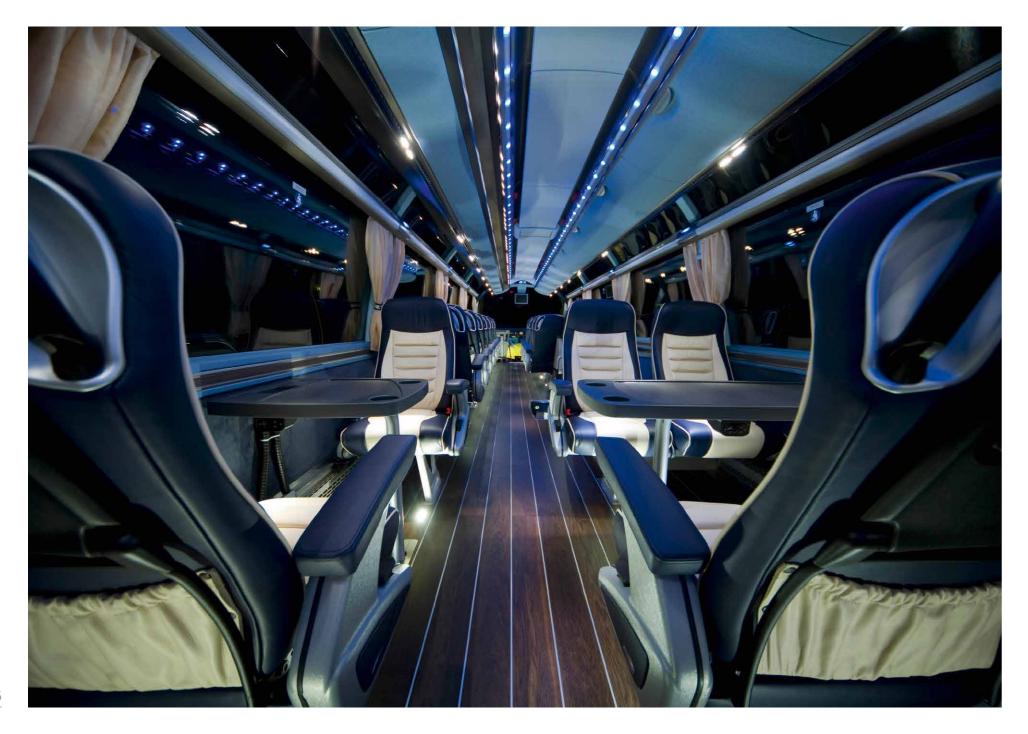
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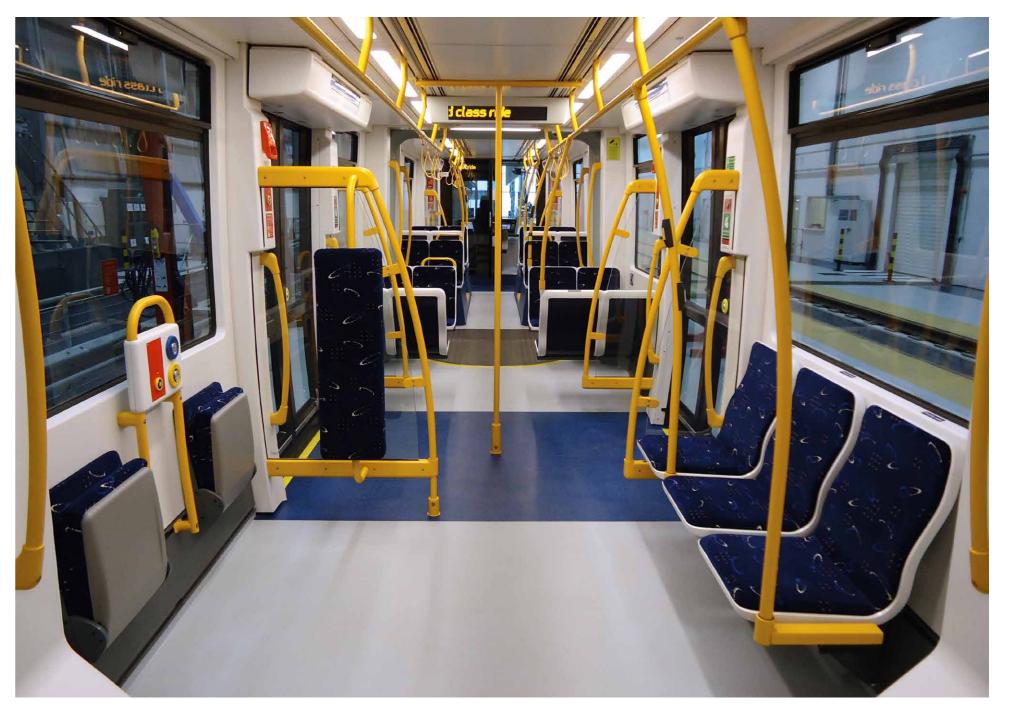
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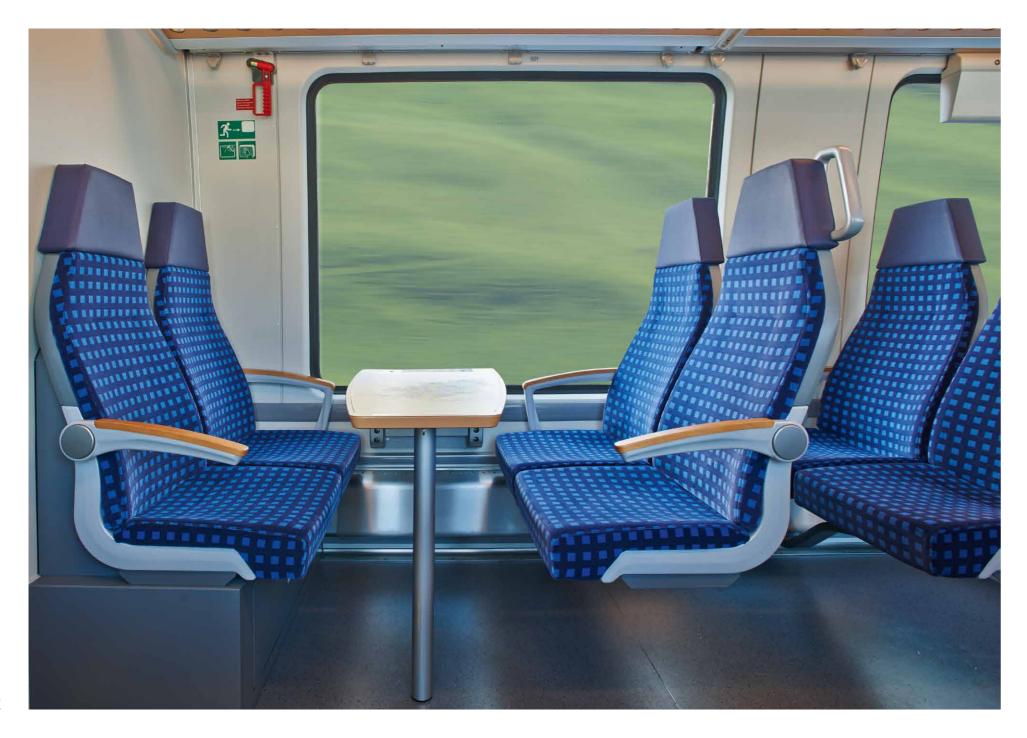
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DESIGNED BY QUALITY

and transport operator, on the other hand.

In addition: not all seats are the same. Seating systems in intercity transport have to satisfy completely different In both the bus and train seats segments, a low weight is And that is our daily goal. requirements to those in local public transport. Seats for also important for the greatest possible energy efficiency short journeys need robust and durable materials; due to and a low power consumption.

completely different from those of several years ago. It is ity. In intercity transport, however, the focus is on com- ing in significance. We satisfy this requirement with the necessary to reconcile safety, comfort and functionality fort. Here, back and seat cushion angle adjustment, for dynamic, modern lines of the seats, an attractive colour for the passenger, on the one hand, and quality, cost-ef- example, and additional features such as pull-out tables scheme and high-quality materials. All of this helps to defectiveness and efficiency for the vehicle manufacturer or USB-connections for individual mobile devices are of termine whether a passenger feels comfortable on their great significance, and visual aspects have much more journey – whether it lasts a couple of minutes or several weight.

The requirements placed on passenger seats today are the short stay of the passengers, comfort is a lower prior- Design aspects and the feel of the materials are also gainhours.









is characterised by extensive specialist knowledge and precise information about a component's stability before many years of experience, as well as by fresh ideas and, it is constructed, as well as information about potential wherever possible, the aspiration to satisfy customers' re- weaknesses, if applicable. This step also plays an imporquirements.

new design take shape on a virtual level. Using the latest tures made of steel or special plastics. software, we create an animated image of the product in a realistic environment even at this early stage. This "digi- In the final stage, the seat must prove itself as a model or model in the CAD programme, we carry out a so-called production.

The development of new seats and seating systems at Kiel FEM analysis ("finite element method"), which will provide tant role in the optimisation of the weight of the respective component. Our goal is to reduce the weight as far as At the start of the development process, we undertake in- possible, without compromising on the quality, through tensive design and ergonomy studies and initially let the the use of modern materials, such as lightweight struc-

tal mock-up" is an essential element of the entire develop- prototype in various stress, fire protection and crash tests, ment process. After the production of a volume or surface as well as in trial installations, before it finally goes into





EFFICIENCY ALL OVER THE WORLD

At our production locations around the globe, we work to- in our paint shop. Here, we can realise individual colour perfect seat for every use for our customers.

complex seating systems quickly, with a wide variety of covering. The next step is to fix attachments such as a options and to a high quality.

the aluminium and metal components: in the stamping and install the backrest. shop, the metal parts are processed with a CNC laser cutter, and the tubular frames are bent in the bending shop. In If everything is in order in the final inspection, the seat the welding shop, modern robots work on backrests and starts its journey to the customer. legrests. The unmachined parts are then powder-coated

gether every day with the same objective: to produce the requirements. The next step is to cover backrests and seat cushion supports with foam. CNC-controlled cutters use digitalised templates to cut the cover fabrics to size, and A high degree of efficiency is ensured by our modular con- our tailoring room cuts the covers for the backrest and struction system, which enables us to manufacture even seat cushion foam parts to size. A machine handles the handle, a table and a magazine net on the backrest. In the final assembly, we combine the underframe with compo-Our production process starts with the manufacture of nents such as the belt system, side runners and armrests







as possible and securely anchored in the vehicle, but are, recyclable.

management system is certified according to ISO 14001.

KIEL – A GLOBAL PLAYER

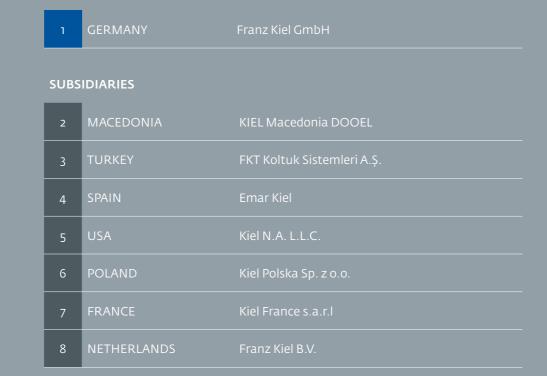


Whilst the bus seat industry was still shaped by a number of national providers in the '90s, Kiel decided in favour of international expansion at an early stage. Both through collaborations with seat manufacturers in Italy or Spain and through its own locations, Kiel has gradually tapped into important markets: in 1996, the first subsidiary in Turkey was founded, followed by a subsidiary in Poland in 1997, in the Netherlands in 2000, in the USA in 2009, and a joint venture in Russia in 2011. Thus, Kiel now has a presence in almost all European markets, as well as in North America, Australia, the Middle East and Asia.

This allows us to offer a varied product range which is adapted to national requirements and individual customer wishes and to guarantee the greatest possible proximity to the customer, efficient coordination and short delivery routes and periods.

All of this guarantees our consistently high, typical Kiel quality – throughout the world.

HEADQUARTERS



JOINT-VENTURE

9 RUSSIA

KF Kiel ooo



SERVICE AT KIEL IS MULTI-FACETED

Kiel's understanding of quality does not just extend to our products, but also includes an extensive after sales service with the goal of the greatest possible proximity to the customer: in Germany and in the countries where we have subsidiaries, we maintain a nationwide network of key account staff and special service teams which provide the customers with comprehensive support in all issues relating to operation, cleaning or repairs.

In addition, the central Development Department in Nördlingen provides the specific technical customer service if necessary.

For the lifetime of our seats, we guarantee the constant availability of the appropriate spare parts, which are delivered via a central warehouse. This underlines how important we find the cost-effectiveness of the products for our customers, as well as sustainability and the protection of the environment.

In terms of logistics, we attach great value to delivery routes which are as short as possible, in order to conserve resources, serve customers quickly and save costs. This aspect and our personal proximity to important customers based abroad have been and are still an important motivation for our international expansion.



READY FOR THE MOBILITY OF TOMORROW

We have the answers today to the mobility questions of tomorrow – and we are doing all that we can to ensure that this remains the case in the future.

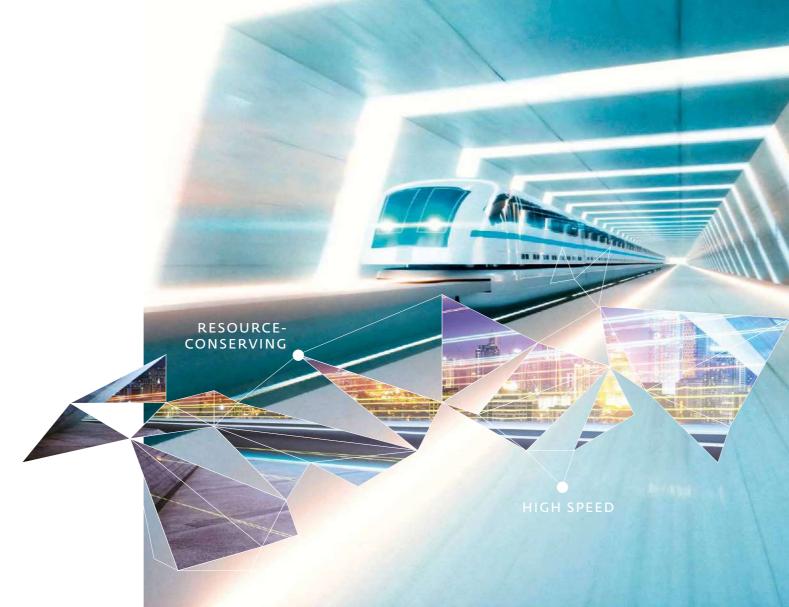
Thus, it is important to protect our economic strength and stability and, at the same time, to intensively promote our international growth. We are currently tapping into the markets in China and India; we will soon also have a stronger presence in Central America.

Everything is pointing towards expansion with respect to our product range too: we are constantly moving into new areas of application for new products, such as the M2, the Sprinter and high-speed trains, for which we develop special solutions.

Another important aspect of our activity is sustainability. We meet our constantly growing commitment to our environment today with our modular recyclable construction systems. In all the divisions of the company, we are also continuously working towards even more resourceconserving and environmentally friendly operations.

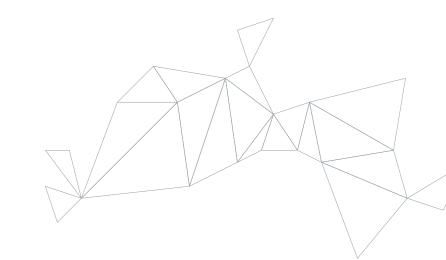
We also consider our ability to deal with our employees, suppliers and customers in a cooperative and respectful manner to be an important criterion for our future sustainability.

We want to preserve and extend all this – for we are certain that this is how we can best position ourselves to deal with future challenges.









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