

## **COMMITMENT TO SOCIETY AND THE ENVIRONMENT**

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## Our objective

We aim to ensure safe, secure,  
and sustainable global development  
of society and the environment.

Companies bear responsibility for the sustainable development of society and the environment, and this applies particularly to technical service providers like TÜV SÜD. Our corporate purpose – to protect people, the environment, and assets from technology-related risks – has reflected this objective since our company was founded over 150 years ago. Since 1866 our work has focused on minimizing the risks associated with the latest forms of technology in order to increase acceptance of scientific and technological innovations by society and allow them to develop for the benefit of people and the environment. For example, as a company we play a major role in shaping the rapid development of digitization, together with its impacts on virtually all areas of life worldwide, as a driving force for sustainable evolution of society and the environment.

Our commitment to the common good takes many different forms, from donations and collaborations to our own project initiatives. A particular area of focus comprises our wide-ranging activities promoting training and education for young people in technical and scientific areas. These projects are initiated by the TÜV SÜD Foundation as well as directly by the member companies of the TÜV SÜD Group.

## Inspiring passion for technology – the TÜV SÜD Foundation

→ SUSTAINABILITY PUBLICATION 2019,  
LEGAL STRUCTURE  
GUARANTEES INDEPENDENCE  
SEE PAGE  
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The TÜV SÜD Foundation is one of the two owners of TÜV SÜD AG (see also “Legal structure guarantees independence“ ) Its work funds an array of projects throughout Germany focusing on education and training for young people in STEM (Science, Technology, Engineering, Mathematics) subjects. All activities of the Foundation are directed toward the overarching goal of generating enthusiasm for modern technology and natural sciences among young people.

Since its foundation in 2009, the TÜV SÜD Foundation has invested a total of approximately 4.2 million euros in these projects. The majority of the Foundation’s funding is derived from dividends from TÜV SÜD AG and donations from companies in the TÜV SÜD Group.

Its projects serve to open up cutting-edge technologies for young people, improve educational equality, and drive technological change, offering funding in a wide range of areas. The Foundation plays an active role in furthering continued economic success in Germany. The scope of its project funding in 2019 spanned primary and secondary school projects, activities in technical and commercial training, support for new methods of training student vocational teachers, and guest professorships at German universities for scientists of international repute. In 2019 alone the TÜV SÜD Foundation funded almost twenty projects in Germany, allotting over one million euros to their realization. The TÜV SÜD Foundation also coordinates the youth training and education activities it funds if requested to do so by TÜV SÜD member companies, based on its dedicated experience in the sector.

For further information on the projects and activities of the TÜV SÜD Foundation, visit the website or see the latest Annual Report of the TÜV SÜD Foundation.

→ TÜV SÜD FOUNDATION,  
ANNUAL REPORT  
TUEV-SUED-STIFTUNG.DE

## Social engagement by TÜV SÜD

TÜV SÜD focuses its social engagement on projects with close links to our role in society as a technical service provider. We provide targeted funding for educational and training activities in the field of technology and science and support initiatives designed to improve safety and security and minimize risks. In 2019, TÜV SÜD AG and its member companies invested approximately EUR 500,000 for this purpose. These expenditures and funding are systematically recorded. We apply a donation allocation policy to ensure that implementation of our social engagement plans is effectively coordinated and legally compliant. An Annual Report provides the necessary transparency.

### STIFTERVERBAND – A JOINT INITIATIVE FOR EDUCATION, SCIENCE, AND INNOVATION

TÜV SÜD has been a member of Stifterverband for many years and supports its activities. This German initiative has companies and foundations as its members. Its core issues and fields of activity are education, science, and innovation. The organization actively promotes equal opportunities in education, excellent universities, and internationally competitive research institutions. The instruments it employs to do so range from extracurricular talent promotion and higher education structural programs to detailed analyses of the scientific and innovation systems that serve as a basis for policymaking recommendations. TÜV SÜD is a member of the management board of the Stifterverband and has been involved in numerous education and innovation projects of the organization in recent years. In addition, since 2013 TÜV SÜD has funded the Foundation Chair for Reliability and Safety of Technical Systems at Tongji University, Shanghai.

→ STIFTERVERBAND  
STIFTERVERBAND.ORG/ENGLISH

## SAFE ROUTES TO SCHOOL – INNOVATIVE ROAD SAFETY EDUCATION AWARD

→ BAVARIA'S ROAD SAFETY  
ASSOCIATION  
TÜV SÜD FOUNDATION AWARD  
VERKEHRSWACHT-BAYERN.DE

Bavarian schools apply imaginative approaches to making their pupils' journey to school safer. The primary aim is to increase children's personal awareness and responsibility as road users. Landesverkehrswacht Bayern, Bavaria's road safety association, has organized the annual Innovative Road Safety Education Award since 2012. The objective of the award is to support and increase awareness of outstanding road safety education projects by schools and to inspire as many as possible to take up the ideas. The Award is funded by TÜV SÜD AG.

## BE SMART CAMPAIGN: HANDS ON THE WHEEL – EYES ON THE ROAD

→ "BE SMART"  
BESMART-MOBIL.DE

The "Be Smart" campaign a joint project by TÜV SÜD and the German automobile association Mobil in Deutschland e.V., highlights the risks of using a cellphone while driving. When launched in 2015, it was Germany's first nationwide campaign designed to create a new awareness of responsible cellphone use among drivers. This groundbreaking commitment has received multiple awards.

## JOBLINGE – TACKLING YOUTH UNEMPLOYMENT TOGETHER

→ JOBLINGE INITIATIVE  
JOBLINGE.DE/ENGLISH

The nonprofit initiative Joblinge supports disadvantaged young people in the world of employment, helping to provide them with genuine job opportunities and ensure their sustainable integration into the employment market and society as a whole. The support given by the initiative spans tailored qualifications, voluntary mentoring schemes and assistance during training. The results achieved by Joblinge participants are well above average for such schemes; over 70% of young people go on to gain training qualifications as a successful start to a career. TÜV SÜD provides a wide variety of support to the Joblinge initiative; as a long-standing shareholder of the nonprofit joint stock company Joblinge Munich, TÜV SÜD provides financial support, and over 20 TÜV SÜD employees all over Germany are currently acting as mentors for young people undergoing training. In addition, in 2017 the TÜV SÜD Foundation and TÜV SÜD Auto Service joined forces with partners to launch the project "Kfz-Joblinge" in the automotive sector, which offers disadvantaged young people the chance to train for the attractive career of auto mechanic.

## HOCHSCHULE MANNHEIM – BOOSTING NEW STUDENTS' CHANCES OF SUCCESS

→ HOCHSCHULE MANNHEIM  
ENGLISH.HS-MANNHEIM.DE

Many universities and colleges struggle with high drop-out rates among engineering students in their first few semesters. In Germany, Mannheim University of Applied Sciences has successfully tackled this problem by establishing an interfaculty learning center for basic engineering science (LIG). The institution provides foundational knowledge to support first-year engineering students with any weaknesses in their specialist subjects. In addition, it aims to improve students' personal skills and competencies in the areas of self-assessment, perseverance, determination, and self-motivation. LIG achieves this by providing online services such as tutorials and study platforms as well as in-person events. Completed in 2019, the project was largely funded by TÜV SÜD Auto Service.

## KISS MINT – INNOVATIVE EXPERIMENTS

→ [HTW DRESDEN](https://www.htw-dresden.de/en)  
[HTW-DRESDEN.DE/EN](https://www.htw-dresden.de/en)

Launched in 2018, this STEM-based project (“MINT” is the German acronym for STEM) is a collaboration between Dresden University of Applied Sciences and further partners with funding from TÜV SÜD Auto Service. It aims to inspire enthusiasm for scientific topics in school students and familiarize them with the basic principles of digitization. The project develops materials and experiments for use in schools which appeal to the students’ creative, playful, and experimental sides. The interdisciplinary materials are suitable for school projects as well as for complementary extracurricular work.

## UNIVERSITY SCHOOL DRESDEN – SCHOOL OF THE FUTURE

→ [UNIVERSITY SCHOOL DRESDEN](https://www.tu-dresden.de)  
[TU-DRESDEN.DE](https://www.tu-dresden.de)

The University School Dresden brings together three educational institutions under one roof. It is home to a primary and secondary school for children in Dresden as well as a research center and a training and further education college of Technische Universität Dresden (TUD). The School provides the opportunity to develop innovative concepts for learning and teaching and trial them in scientific conditions. Innovative forms of teaching, learning, and coexistence are developed, tested and scientifically evaluated. All students learn side by side in groundbreaking teaching/learning settings forming an individualized and collaborative environment. The individual learning processes are digitally driven by dedicated software, developed over the past two years with the support of TÜV SÜD AG and TÜV SÜD Industrie Service.

## TECHNOSEUM MANNHEIM – THE THRILL OF ENERGY

→ [TECHNOSEUM MANNHEIM](https://www.technoseum.de)  
[EN.TECHNOSEUM.DE](https://www.technoseum.de)

Energy – what is it, and what forms does it take? Soon Mannheim’s Technoseum one of Germany’s largest technological museums, will enable its visitors to explore the answers to these questions in a series of interactive research stations. The research stations are a groundbreaking new concept for the exhibition designers and focus on interaction and conscious experience. The curators seek to communicate the need for care and awareness in using energy, particularly against the backdrop of climate change. Opening in 2020, the three new interactive stations on the topics of pump storage plants, heat and power generation, and “the Transparent Consumer” were realized with the support of TÜV SÜD Industrie Service.

## SPAIN: TÜV SÜD SUPPORTS “YOUNG SCIENTIST OF THE YEAR”

In 2019 TÜV SÜD Spain supported the regional heats of “Jugend forscht Iberia,” a Spanish version of “Young Scientist of the Year” for students from German schools on the Iberian peninsula. Organized by Madrid German School, the competition attracted 27 entrants seeking to go through to the German national competition. “Young Scientist of the Year” is Europe’s biggest youth competition in the science and technology sector. TÜV SÜD Spain has supported the event for several years and also provides a member for the regional judging panel.

## Environmental commitment

As a non-manufacturing company, TÜV SÜD has lower energy and resource consumption levels than companies in other industries. We are nevertheless determined to contribute toward climate and resource protection and to take responsibility for the ecological consequences of our business activities. Our work in our offices and test centers, our business travel, and our employees' daily journeys to and from work all consume resources and generate emissions.

Providing services and innovations (see "Advancing Sustainability through Services and Innovations") we help our customers to drive environmental and climate protection in line with our corporate purpose. At the same time, we strive to make our own business activities as eco-friendly as possible. We seek to keep TÜV SÜD's negative environmental impact to an absolute minimum and to reduce it further year by year.

To do so, we aim to systematically track TÜV SÜD's positive and negative environmental impact, develop goals and actions to foster climate and environmental protection in the company, and implement them successfully in the years to come. To further systematize our activities, we also plan to gain environmental certification for as many of our locations as possible.

In 2019, our German locations underwent energy auditing in accordance with EN 16247-1. The process identified concrete areas of potential savings that we plan to leverage for TÜV SÜD in the coming years with methods such as raising employee awareness, introducing LED lighting, and replacing conventional heating systems with infrared "dark radiators" in our technical service centers.

We also aim to further increase transparency in our reporting of environmental topics. Previously, coordinated recording of environmental impacts in the TÜV SÜD Group was limited to selected locations, such as energy audits in Germany and sustainability reporting at the Spanish company TÜV SÜD ATISAE. By introducing systematic sustainability activities, we plan to review the efficacy and practicality of Group-wide environmental reporting under consideration of the relatively low overall consumption and emission levels of TÜV SÜD. We can already present selected environmental indicators for Germany, with the aim of expanding the scope of reporting to include parameters such as CO<sub>2</sub> emissions from business travel in our considerations.

### Selected environmental indicators for TÜV SÜD Germany

FORM OF ENERGY	Consumption, KwH/year	Percentage of total consumption	Costs in €/KwH
Fuel	807,015	1.02%	0.098
Heat	43,405,659	54.74%	0.060
Power	35,082,497	44.24%	0.190

→ SUSTAINABILITY PUBLICATION 2019,  
ADVANCING SUSTAINABILITY  
THROUGH SERVICES AND  
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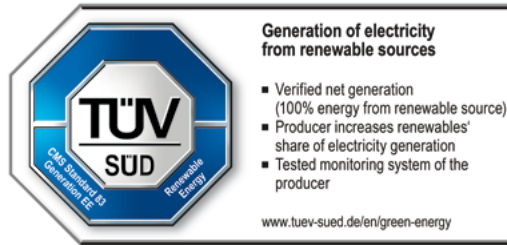
## EXAMPLES OF OUR ENVIRONMENTAL PROJECTS IN THE REPORTING YEAR

Although the impact of our activities on the environment may be relatively low, we aim to contribute to environmental and climate protection by introducing targeted measures. To encourage our employees to play an active role in environmental protection, in 2019, we created guidance communicating eco-aware behavior at the workplace and published it throughout the global TÜV SÜD Group in early 2020.

Various German locations provide electric vehicle charging points for customers and employees. As a pioneer of electric mobility, we aim to shape the future of personal mobility.

An appropriate purchasing agreement ensures that the German locations owned by TÜV SÜD only use power from renewable sources. We already use green power for the majority of our electricity needs in Germany, and are supplied with over 30 GWh of power generated from renewables with TÜV SÜD Generation EE certification by our energy providers.

→ TÜV SÜD,  
GENERATION OF ELECTRICITY  
FROM RENEWABLE SOURCES  
CERTIFICATION  
TUVSUD.COM



In addition, we are gradually introducing roof greening at our German locations. The process uses highly biodiverse planting that creates habitats and food for a maximum number of insects. As the most recent example, the roof of our company headquarters in Munich is now home to a swarm of bees, which will be tended by a beekeeper in future.

## GREEN HRM – ECO-FRIENDLY HUMAN RESOURCES

TÜV SÜD has been part of the international research project “Comparative Green HRM” since October 2018. The project is a partnership between the University of Augsburg and Vienna University of Economics in which ecological strategies and practices in the human resources field are subjected to international comparison. The study, funded by the Deutsche Forschungsgemeinschaft (German Research Foundation) and the Austrian Science Fund (FWF), is aimed at gaining a better understanding of eco-friendly conduct in the workplace and implementation of environmentally oriented strategies in organizations. It focuses closely on the roles played by teams and management executives and their impact on environmentally responsible behavior. The results of the research project are hoped to provide a framework for employees and management to implement environmentally oriented strategies and help to manage conflict in this context.

→ UNIVERSITY OF AUGSBURG  
COMPARATIVE GREEN HRM  
UNI-AUGSBURG.DE

→ VIENNA UNIVERSITY OF ECONOMICS,  
COMPARATIVE GREEN HRM  
WU.AC.AT

TÜV SÜD is participating in the international comparison with over 300 employees from China, the USA, and Germany. By doing so we are actively supporting research into environmentally sustainable leadership and fostering future-facing and sustainable economic development. At the same time we gain the opportunity to scrutinize our own HR strategy more closely in ecological terms and to collaborate with prestigious research institutions on shaping it in a more environmentally friendly manner.

### CONSTRUCTION PROJECT NEWTON – THE PERSPECTIVE OF SUSTAINABILITY

Sustainability was the clear central focus of TÜV SÜD's construction project at 57, Ridlerstrasse in Munich, which is groundbreaking in many different aspects. Begun in mid-2015, NEWTON – as the project is known – was completed on time and on budget at the end of 2018 and placed into operation. The design, construction, and operation of a future-facing and sustainable building had been TÜV SÜD's aim from the outset. The entire planning process was directed toward gaining DGNB Platinum certification, which succeeded in 2019.

NEWTON's convincing environmental concept is based on using existing and renewable resources. It spans an integrated energy concept, large-scale photovoltaic system, and automatic LED lighting. The whole building is triple-glazed with external sunshades. The connection to a district cooling system is a particular highlight. Heat pumps use groundwater for eco-friendly cooling and heating of the building. The heated or cooled water can be returned to the groundwater within a specified temperature range. The various environmental measures result in an impressively low primary energy consumption level of 72 kWh/m<sup>2</sup>a, showcasing the building's efficiency and placing NEWTON among Munich's most economical office premises.

The project's financial sustainability is further underpinned by TÜV SÜD Pension Trust's involvement as developer and funder. The rent revenues will be used as long-term security for pension commitments for former employees of TÜV SÜD.

1,800 people now work in the state-of-the-art offices. NEWTON has a gross floor area of 35,000 m<sup>2</sup> over five upper floors and a further 25,000 m<sup>2</sup> in two basement floors. The location offers direct links to metro and rapid transit trains and to several bus routes. The underground car park is equipped with charging points for electric vehicles and cycle spaces with changing-rooms and showers. In fact, NEWTON leaves nothing to be desired in terms of sustainability.