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Sustainable Fact-Book
10 Goals – 100 Facts
THE BMW GROUP
AT A GLANCE

1916 – 2019:
The BMW Group has been in existence for over 100 years.

The BMW Group currently operates 31 manufacturing and assembly plants in 15 countries, with a total of 134,682 employees worldwide.

The BMW Group has a global sales network with dealerships in over 140 countries.

The BMW Group collaborates with around 12,000 suppliers worldwide.

The BMW Group has three automotive brands—BMW, MINI, Rolls Royce—and one motorcycle brand.

The Company sold more than 2.49 million automobiles and over 165,000 motorcycles worldwide in 2018.

By 2018, more than 30 million customers were already using the BMW Group’s mobility services.
OUR GOALS

The BMW Group has set itself ten strategic sustainability targets, which the company has been consistently pursuing since 2001 and which will be implemented by 2020. The BMW Group concentrates on three key areas:

Products and services
1. CO₂ and pollutant emissions
2. Electromobility
3. Mobility patterns

Production and value creation
4. Consumption of resources
5. Renewable energy
6. Sustainable, resource efficient supply chain

Employees and society
7. Health and performance
8. Long-term employee development
9. Diversity
10. Corporate citizenship
CO₂ AND POLLUTANT EMISSIONS

By 2020, the BMW Group will have reduced CO₂ emissions in the European new vehicle fleet (EU-28) by at least 50 per cent compared to the base year 1995.
Since 1995, we have reduced the average fuel consumption of our European new vehicle fleet by 42%.

To improve air quality in cities, the BMW Group has installed a highly effective combination of a NOx Storage Catalyst (NSC) and an Selective Catalytic Reduction (SCR) system with urea injection (AdBlue) in all its BMW diesel models.

Even before the Euro 6d-TEMP emissions standard came into effect, our Euro 6 diesel models in Germany were on average already around 40 per cent below the average NOx levels published by the German Federal Environmental Agency in 2017.
FACT 004
In 2020, we will bring our first fully-electric SUV, the BMW iX3, to the roads. This will provide our customers with an electrified and emission-free variant of one of the most popular BMW Group vehicles.

FACT 005
More than 15,000 BMW Group employees take company buses to and from work, clocking up 70,000 kilometres every day. This reduces the number of cars on the roads and avoids up to 32,000 tonnes of CO₂ per year.

FACT 006
In Europe, NOx emissions from road traffic decreased by 68% between 1990–2016, even though passenger traffic increased by 50%. Effective further development of our technologies contributed to this.
The “ECO PRO Mode” driving experience control has been standard in all BMW models since 2011. Depending on individual driving behaviour, it can reduce fuel consumption by up to 25 per cent and thereby guarantees maximum efficiency.

Thanks to a flexible global production system and variable vehicle architectures, going forward it will be possible to build different vehicle models with fully-electric (BEV), partially-electric (PHEV) and conventional (ICE) drivetrains on a single line.

By 2021, we will have five fully-electrified models available: the BMW i3, the MINI Electric, the BMW iX3, the BMW i4 and the BMW iNEXT. That number will increase to at least 12 by 2025 — at which point, with our plug-in hybrids, our product range will include at least 25 electrified models.

Compliance with applicable legislation — including all local testing requirements — is our top priority. The BMW Group has appropriate compliance management systems in place to ensure fulfilment of legal requirements.
The BMW Group is a leader with its holistic approach to premium electromobility.
Our first electric car accompanied marathon runners at the Olympic Games in 1972 and — since it did not produce any emissions — was allowed to drive ahead of the runners as a camera car.

FACT 011

In 2018, the BMW Group was the market leader for electrified vehicles in both Germany and Europe — delivering around 15,000 vehicles to German customers and a total of 75,000 across Europe.

FACT 012

In Norway, by 2018, one in two new cars was already electric. The BMW Group is also contributing to this development. Around 80 per cent of the new cars we sold in Norway last year were electrified models.

FACT 013
FACT 014

The BMW i3 is even making a name for itself as an emergency vehicle. The zippy little electric car from Munich is not only being used by police officers in Bavaria and Rome, but also by the Los Angeles Police Department and the London Fire Brigade.

FACT 015

The BMW Group has founded the joint venture IONITY to make electromobility viable over longer distances. By 2020, IONITY will set up and operate a total of 400 fast-charging stations along Europe’s main traffic routes.

FACT 016

Since 2018, electric motors and high-voltage batteries from BMW i3s have been used to power the Jest city bus produced by the Turkish company Karsan for the domestic and international market. Deutsche Post subsidiary Streetscooter also relies on BMW i energy storage technology. Battery modules enable the versatile scooters to deliver letters and packages all day long without having to stop for charging.

FACT 017

In 2018, we formed a technology consortium with Swedish battery manufacturer Northvolt and Umicore, a Belgian developer of battery materials. Together, the companies aim to develop a fully sustainable value chain for battery cells – from production all the way to recycling.
We also offer wireless charging for the BMW Group’s plug-in hybrid models. This consists of an inductive charging station (GroundPad) that can be installed in a garage or out in the open and a vehicle component (CarPad) mounted on the vehicle underbody. This allows our customers to charge electrified BMW Group vehicles easily, conveniently and wirelessly.

The BMW Group team won the very first race of the Formula E in Diriyah, a suburb of Riyadh, Saudi Arabia, in late 2018. Learnings from Formula E will be channelled directly into development of future series-produced electric drivetrains.

In 2018, a maintenance cost analysis by German automobile club ADAC found that a BMW i3 is about 20% less expensive to run overall than a comparable BMW with a combustion engine.
MOBILITY PATTERNS

The BMW Group will have permanently changed mobility patterns in selected metropolitan areas by 2020 through the introduction of integrated mobility services.
FACT 021

A representative market study of 2,500 people in five cities worldwide in 2018 found that the majority of respondents welcomed the BMW Group offering additional mobility services alongside its current product portfolio. In Shenzhen, no fewer than 70 per cent shared this opinion.

FACT 022

By 2030, around 60 per cent of the world’s population is expected to live in cities. To develop resource and climate-friendly mobility concepts for ever more densely populated cities, the BMW Group is actively involved in a large number of dialogue and research projects.

FACT 023

In a representative market study conducted in 2018, more than 60 per cent of our stakeholders considered a combination of car-free and car-based areas as the future of urban mobility.

FACT 024

In the workshops we organise in many different cities, residents are increasingly coming to the conclusion that they use their own car so little they would be willing to sell it, if alternatives were available. Our car-sharing services allow them to combine the benefits of car ownership with public transport.
FACT 025

In 2018, we opened our Autonomous Driving Campus in Unterschleissheim, just outside of Munich. Expertise will be concentrated at this campus so we can move forward with development of modern driver assistance systems, as well as highly and fully-automated driving.

FACT 026

A privately-owned vehicle is used for an average of one hour per day; the remaining 23 hours it requires parking. With alternative options, such as car-sharing, we are helping use this space more efficiently.

Fact 027

In Europe, more than a million customers used the BMW Group’s car-sharing services in 2018.

We have offered an analogue service in the US since 2016: More than 88,000 customers used this service last year.
Vehicles looking for parking can account for up to 30 per cent of city traffic. We are therefore developing mobility offerings like the digital parking service ParkNow, which facilitates ticket- and cashless parking at the roadside and in the car park via app.

To encourage employees to ride their bike to work, the BMW Group has set up the BMW LeaseRad leasing programme with 5,500 bicycle dealers across Germany. More than 11,000 colleagues have already signed up.

The roughly 37,000 employees at the company’s Munich location are setting a good example by using alternative mobility solutions, such as train, bus or bike, wherever possible, to get to work instead of their own car. The BMW Group supports this with apps and current information in the intranet. Working from home—a popular option for many employees—also reduces the amount of traffic on the roads.
CONSUMPTION OF RESOURCES

The BMW Group will reduce its resource consumption (energy, water, waste, solvents) per vehicle produced by 45 per cent by 2020 (base year 2006).
Our investments in corporate environmental protection have led to a steady reduction in resource consumption since 2006 and saved the company more than 161 million euros in costs.

Our production of almost 2.5 million vehicles per year generates more than 760,000 tonnes of waste material: 99% of this is recycled and reused.

At our Munich plant, we have commissioned a new high-tech paint shop, which applies two layers of paint directly after one another without drying in between. This has reduced CO₂ emissions from the paint application process by around 50% and lowered power consumption by 27%.
Our customers have the option of returning their vehicle to the Munich Recycling and Dismantling Centre (RDZ). By far the longest trip was made by three friends from South Africa, who drove their more-than-20-year-old BMW 318i all the way from Cape Town to Munich—some 17,000 km. However, old “Percy’s” journey did not end as planned at the Recycling Centre—but rather in the BMW Museum.

More than half of new BMW Group vehicles produced worldwide leave production plants by rail. As a result, we were able to avoid roughly 75,000 truck journeys in 2018 in Germany alone.

As a sustainable automotive manufacturer, we want to help clean up the oceans. Since 2018, we have supported “The Ocean Clean-up” initiative launched by Dutch student Boyan Slat. The 24-year-old has attracted attention with his unique cleaning system, which uses a floating device to rid the Pacific Ocean of plastic waste. Ideas like this help us enhance our own approaches and processes. In this way, we have avoided waste from production for years and are focused on maximising the use of recycled and renewable raw materials in our products.
FACT 037

We use closed water cycles and wastewater-free processes worldwide — reducing the volume of wastewater from vehicle production by around 45 per cent since 2006. Manufacturing at the engine plant in Steyr, Austria, has been 100 per cent waste-water-free since 2009.

FACT 038

BMW Group designers have made it their goal to gradually replace all plastics used in the interior with recycled or natural materials. These already include leather, hemp and sheep’s wool, as well as fishing nets used for floor mats.

FACT 039

Our computer centre at the Munich Research and Innovation Centre requires cooling. A process has been developed for this that uses the naturally cold temperature of groundwater. Unlike conventional cooling methods, this process generates no CO₂ emissions, supports climate protection and consumes up to 90 per cent less electrical energy.

FACT 040

Our plant in Leipzig has five natural-gas-powered trucks in service. These quiet giants have a range of around 600 km and avoid around 432 tonnes of CO₂ per year.
The BMW Group is the leader in the use of renewable energy in production and value creation.
The BMW Group is committed to the goals of the Paris Climate Agreement and will play an active part in keeping any increase in global temperature from pre-industrial levels well below two degrees Celsius.

By 2020, we will only use power from renewable energies. By 2018, the company obtained around 80 per cent of its electricity globally from renewable sources; in Europe, that figure already reached 100 per cent in 2017.

The new solar installation at our site in Chennai, India, already supplies more than 26 per cent of our total local energy needs.

At our Spartanburg location in the US, we use a methane gas plant to obtain electricity and process heat from waste at a neighbouring landfill—avoiding 46,000 tonnes of CO₂ per year. The 500 or so fork-lift trucks that drive around the 350,000 m² production facility in Spartanburg are also good for the environment: Powered by hydrogen, they are entirely emission-free.
In the South African province of Gauteng, around 30,000 cattle supply dung for a biogas plant. The electricity it produces already provides around 31% of the power needed by the BMW Group plant in Rosslyn.

Renewable energies play an important role in our entire value chain. Carbon fibres for BMW i models are produced at Moses Lake in Washington State, using 100 per cent hydropower from the Columbia River.

At our location in Shenyang, China, the BMW Group’s most powerful photovoltaic system to date came on stream in 2018. The solar installation on the roof of the staff parking area produces more than 15 mega-watts of electricity.
FACT 048

At the BMW Group plant in Leipzig, a storage farm with around 700 BMW i3 batteries proves that electric-car batteries can be put to good use at the end of their vehicle life. By providing buffer storage for renewable energies, they help store and integrate wind power from and into the power grid as well as lower production energy costs.

FACT 049

The lithium-ion batteries in the BMW Group’s electric vehicles are fully recycled.

FACT 050

As part of a joint development project in Hamburg’s HafenCity district, BMW i, Vattenfall and Bosch are testing a power store created by connecting 2,600 battery modules from more than 100 electric vehicles. This corresponds to an output of two megawatts (MW), with a storage capacity of 2,800 kilowatt hours (kWh).
The BMW Group will significantly increase supply chain transparency and resource efficiency by 2020.
The copper beech wood we use for the dashboard of the BMW i3 comes from 100 per cent certified responsible forestry management in accordance with the Forest Stewardship Council (FSC).

The BMW Group has participated in the Supply Chain Programme of the Carbon Disclosure Project (CDP) since 2014. The CDP is a non-governmental organisation aimed at reducing energy and resource consumption.
In 2017, to increase transparency in the cobalt supply chain, we became the first automobile manufacturer worldwide to make information on smelters and countries of origin for the raw material cobalt available to the public. In parallel, we are working hard to achieve a lasting improvement in social and environmental conditions in countries including the Democratic Republic of the Congo.

Our suppliers currently account for more than 70 per cent of the company’s value added. The BMW Group has an annual purchasing volume of over 60 billion euros.

BMW Group canteens in Germany serve around 47,000 meals per day, with roughly three million servings of salad and nearly 55 tonnes of coffee per year. The same sustainability standards apply to these suppliers as to those who supply vehicle parts, as well as to all other service providers, such as PR and travel agencies and IT specialists.

BMW Group vehicle plants are supplied with more than 31 million parts daily.
The BMW Group deployed its first electric truck on the roads in the summer of 2015. By 2018, three fully-electric trucks were supplying the plant in Munich with vehicle parts, thereby avoiding around 82 tonnes of CO₂ emissions per year. Six more electric vehicles are also used by the BMW Group at the Landshut, Leipzig and Regensburg locations.

BMW Group Purchasing only orders from supplier locations that meet sustainability requirements defined in Munich. In 2018, the BMW Group evaluated around 4,200 supplier locations worldwide according to its sustainability criteria. As a result, corrective measures were agreed with around 2,320 supplier locations; 194 did not meet requirements and were not awarded contracts.

The BMW Group Supply Chain Response Team immediately investigates any cases of non-compliance. Business relations may be terminated if suspicions are confirmed.
To preserve the health and the performance of its employees in the long-term, the BMW Group promotes personal responsibility and an appropriately designed work environment.
Employees and society

→ Health and performance

→ Long-term employee development

→ Diversity

→ Corporate citizenship

FACT 061

The Munich location has 21 bicycle stands with 118 bikes that BMW Group employees can ride free of charge. In 2018, employees used the bikes more than 54,000 times.

FACT 062

In 2018, once again, as part of its health initiative, the BMW health insurance scheme (BKK) awarded prizes to departments with creative ideas on how to keep everyone fit – for example, by organising nutrition workshops or helping each other give up smoking.

FACT 063

In 2018, more than 1,500 BMW Group employees at the Munich location alone competed in the company race, B2RUN, which is held every year in 17 cities across Germany.
Our company once again reduced accident frequency in 2018 from the previous year, with a rate of 3.5 accidents per million working hours.

A total of 158 doctors and medical assistants currently work for the BMW Group health service in Germany. In 2018, they treated around 64,500 employees as outpatients, responded to 1,493 health emergencies and were also involved in prevention, travel medicine and health counselling.

BMW Group employees have access to eight company fitness centres at six locations in Germany.

Well over 5,000 employees participated in the “Free Flow” programme in 2018 as part of our health initiative. This 20-minute back-exercise programme — which we are offering again every week this year — helps strengthen and mobilise muscles.

“Traffic-light labelling” for all foods served at company restaurants helps us make more balanced, healthier food choices — with measurable success: Since labelling was introduced, 50 per cent of diners in Germany have changed their habits and are now eating healthier meals.
We created the “Today for Tomorrow” programme to address the issue of demographic change back in 2004 and updated it in 2018. One of the programme’s aims is to create workplaces where we can stay healthy as we grow older—for example, through ergonomic improvements or modified work processes.
LONG-TERM EMPLOYEE DEVELOPMENT

The BMW Group ensures long-term employee development by seeking out the right employees, making the most of their talents, developing potential and ensuring employability.
We have been investing heavily for years in continued on-the-job training to qualify our engineers and technicians to work with electric and hybrid drive trains. In the area of systems and high-voltage technology alone, we have trained more than 38,000 employees.

In 2018, the number of BMW Group employees worldwide increased by 3.7 per cent to 134,682.

The number of associates taking advantage of mobile working increased from 28,100 in 2016 to more than 31,800 in 2018.
There are currently 4,964 young people participating in vocational and young talent programmes.

The longest-serving BMW Group employees have worked for the company for 50 years. Average service with the BMW Group is over 17 years.

About 2,400 employees took advantage of the opportunity to broaden their professional horizons with the BMW Group abroad in 2018.

We invest around 350 million euros per year in vocational and professional training for our employees. In 2018, the average number of training days per employee was 3.4 days.
The BMW Group’s idea management programme allows employees to bring about change with their ideas. In 2018, around 2,800 ideas were implemented, resulting in savings of 18.2 million euros.

The BMW Group is one of the most attractive employers worldwide, as confirmed by studies conducted by international research institutes, such as trendence and Universum, where we earned top ratings once again in 2018.

In addition to the classic sabbatical, we also offer our employees the opportunity to take up to 20 additional days’ leave a year, with a corresponding reduction in salary. Roughly 4,690 BMW AG employees took advantage of this in 2018.
DIVERSITY

Through its diverse workforce, the BMW Group increases its competitiveness and enhances its innovative strength.

Goal for employees and society
The BMW Group is active in more than 140 countries around the globe. In Germany alone, employees from 124 different countries work together successfully every day.

Since 2007, the average age at our company has increased by 1.9 years to 43.4 years of age. By 2025, the percentage of employees over 50 will increase by about a third.

To ensure age diversity in the company, we are deliberately recruiting staff of different ages at our new plant in Mexico, which is scheduled to start production in 2019.
In 2010, we adopted a concept to promote employee diversity across the company, focusing on gender, cultural background and age.

Of the 10.2 per cent of our employees who do not have German nationality, most come from Turkey; followed by Austria, Poland, Greece and Italy.

At the end of 2018, women accounted for 44 per cent of participants in our Global Leader Development Programme for young talents.

To promote diversity in German corporate culture, the BMW Group became a member of the Diversity Charter in 2012. The Charter, under the patronage of German Chancellor Angela Merkel, has been signed by more than 3,000 companies and public bodies so far.
The SpeakUP Line is one of the measures we use to counter discrimination on the grounds of gender, sexual orientation, religion, disability, age or origin. It provides all employees worldwide with a channel to report possible breaches of this principle anonymously and confidentially.

In 2018, we launched a joint initiative with the Max Planck Institute to promote integration of people with high-functioning autism into working life.

More than 3,700 employees at the Munich and Landshut locations alone participated in the BMW Group’s nationwide “Diversity Week” in 2018.
The BMW Group is a leader in intercultural understanding.
In conjunction with the Joblinge organisation, we have developed an app that helps teenagers prepare for technical vocations in a fun, effective way. The “Maths as a Mission” app won the bitcom Innovation Award for Digital Education in the category “society and lifelong learning” in 2018.

The BMW Group has set itself the goal of providing one million young people with a solid education by 2025 — especially in technical fields. In 2018, we reached nearly 320,000 children and teenagers at locations in Germany and abroad with our education programme.

The BMW Group Junior Campus allows children in Germany, Russia, South Korea and the UK to discover mobility and sustainability with all their senses. Almost 61,000 children attended the Junior Campus in 2018. In Russia, the project was recognised as the “best social project” in the field of road safety education for children.
In India, we supported a number of technical colleges through the initiative “Skill Next”, which provided 365 BMW engines and BMW transmissions free of charge in 2018. The programme enables students to actively experience state-of-the-art technologies hands-on.

In 2018, our sustainability experts once again discussed sustainable urban development with students in Los Angeles, Melbourne, Shenzhen, Rotterdam and Berlin. Together, they developed ideas and visions for the mobility of the future.

Three BMW Bank employees presented their “micromobility” project at the One Young World Summit in The Hague. Through microloans and reliable local partners, the aim is to help people in developing countries buy their own bicycle as an alternative to walking.

In Indonesia, the BMW Group is helping traumatised children and victims of the Sulawesi earthquake with a donation to the international non-profit organisation “Save the Children”.

Employees and society
Health and performance
Long-term employee development
Diversity
→ Corporate citizenship

→ FACT 094

→ FACT 095

→ FACT 096

→ FACT 097
In 2018, the BMW Group served as the exclusive sponsor of the exhibition “200 Women Who Will Change the Way You See the World”, based on the book of the same name, when it came to Munich. The aim of the exhibition was to encourage visitors to think about diversity, equality and equal opportunities through videos and photographic portraits highlighting the exceptional stories and lives of 200 remarkable women.

In 2011, in collaboration with the United Nations Alliance of Civilisations (UNAOC), we inaugurated the Intercultural Innovation Award to promote intercultural dialogue around the world. A total of 41 organisations and around 2.6 million people from 105 different countries have already benefitted from the Award.
RESOURCE CONSERVATION

The paper used for the Sustainability Factbook was produced in accordance with the FSC® international standard: The pulp originates from responsibly managed forests.

The CO₂ emissions generated in printing and producing this report were neutralised. The corresponding quantity of emissions was compensated for through additional environmental and climate protection measures as part of reforestation and forest protection projects in cooperation with Bergwald e.V. Certificate number: DE-141-411768.

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