# **BMW**

Bayerische Motoren Werke AG, translated in English as Bavarian Motor Works, commonly referred to as BMW (German pronunciation: ['be:'ʔεm 've:] (listen)), is a German multinational company which produces automobiles and motorcycles. The company was founded in 1916 as a manufacturer of aircraft engines, which it produced from 1917 until 1918 and again from 1933 to 1945.

Automobiles are marketed under the brands BMW, Mini and Rolls-Royce, and motorcycles are marketed under the brand BMW Motorrad. In 2015, BMW was the world's twelfth-largest producer of motor vehicles, with 2,279,503 vehicles produced. [2]

BMW is headquartered in <u>Munich</u> and produces motor vehicles in Germany, Brazil, China, India, South Africa, the United Kingdom, the United States and Mexico. BMW has significant motorsport history, especially in <u>touring cars</u>, <u>Formula 1</u>, <u>sports cars</u> and the <u>Isle of Man TT</u>.

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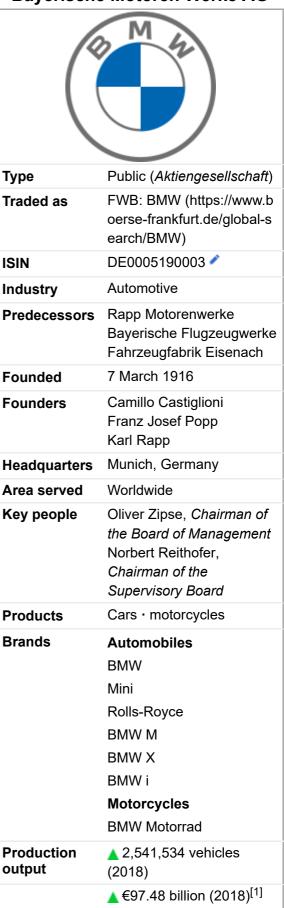
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Revenue	
Operating income	▲ €9.12 billion (2018) <sup>[1]</sup>
Net income	▲ €7.20 billion (2018) <sup>[1]</sup>
Total assets	▲ €208.98 billion (2018) <sup>[1]</sup>
Total equity	▲ €57.55 billion (2018) <sup>[1]</sup>
Owners	Stefan Quandt (29%) Susanne Klatten (21%) Public float (50%)
Number of employees	134,682 (2018) <sup>[1]</sup>

# **History**

Bayerische Flugzeugwerke AG was formed in 1916. This company was renamed to Bayerische Motoren Werke (BMW) in 1922. However the name BMW dates back to 1913, when the original company to use the name BMW was born (initially as Rapp Motorenwerke). BMW's first product was a straight-six aircraft engine called the BMW IIIa. Following the end of World War I, BMW remained in business by producing motorcycle engines, farm equipment, household items and railway brakes. The company produced its first motorcycle, the BMW R 32 in 1923.

BMW became an automobile manufacturer in 1928 when it purchased *Fahrzeugfabrik Eisenach*, which, at the time, built <u>Austin Sevens</u> under licence under the Dixi marque. [3] The first car sold as a BMW was a rebadged <u>Dixi</u> called the *BMW 3/15*, following BMW's acquisition of the car manufacturer Automobilwerk Eisenach. Throughout the 1930s, BMW expanded its range into sports cars and larger luxury cars.

Aircraft engines, motorcycles, and automobiles would be BMW's main products until World War II. During the war, against the wishes of its director Franz Josef Popp, BMW concentrated on aircraft engine production using forced labor consisting primarily of prisoners from concentration camps, with motorcycles as a side line and automobile manufacture ceased altogether. BMW's factories were heavily bombed during the war and its remaining West German facilities were banned from producing motor vehicles or aircraft after the war. Again, the company survived by making pots, pans, and bicycles. In 1948, BMW restarted motorcycle production. BMW resumed car production in Bavaria in 1952 with the BMW 501 luxury saloon. The range of cars was expanded in 1955, through the production of the cheaper Isetta microcar under licence. Slow sales of luxury cars and small profit margins from microcars meant BMW was in serious financial trouble and in 1959 the company was nearly taken over by rival Daimler-Benz. A large investment in BMW by Herbert Quandt and Harald Quandt resulted in the company surviving as a separate entity. The BMW 700 was successful and assisted in the company's recovery.

The 1962 introduction of the *BMW New Class* compact sedans was the beginning of BMW's reputation as a leading manufacturer of sport-oriented cars. Throughout the 1960s, BMW expanded its range by adding coupe and luxury sedan models. The *BMW 5 Series* mid-size sedan range was introduced in 1972, followed by the *BMW 3 Series* compact sedans in 1975, the *BMW 6 Series* luxury coupes in 1976 and the *BMW 7 Series* large luxury sedans in 1978.

The *BMW M* division released its first road car, a mid-engine supercar, in 1978. This was followed by the *BMW M5* in 1984 and the *BMW M3* in 1986. Also in 1986, BMW introduced its first V12 engine in the 750i luxury sedan.

The company purchased the Rover Group in 1994, however the takeover was not successful and was causing BMW large financial losses. In 2000, BMW sold off most of the Rover brands, retaining only the Mini brand.

In 1998, BMW also acquired the rights to the Rolls Royce brand from Vickers Plc.

The 1995 *BMW Z3* expanded the line-up to include a mass-production two-seat roadster and the 1999 *BMW X5* was the company's entry into the SUV market.

The first mass-produced turbocharged petrol engine was introduced in 2006, with most engines switching over to turbocharging over the following decade. The first hybrid BMW was the 2010 *BMW ActiveHybrid 7*, and BMW's first electric car was the *BMW i3* city car, which was released in 2013. After many years of establishing a reputation for sporting rear-wheel drive cars, BMW's first front-wheel drive car was the 2014 *BMW 2 Series Active Tourer* multi-purpose vehicle (MPV).

# **Branding**

## Company name

The name BMW is an abbreviation for *Bayerische Motoren Werke* (German pronunciation: ['baiʁɪʃə mɔ'thɔʁn 'vɛɐkə]). This name is grammatically incorrect (in German, compound words must not contain spaces), which is why the name's grammatically correct form *Bayerische Motorenwerke* (German pronunciation: ['baiʁɪʃə mɔ'thɔʁnvɛɐkə] (listen)) has been used in several publications and advertisements in the past. [4][5] *Bayerische Motorenwerke* translates into English as *Bavarian Motor Works*. [6] The suffix AG, short for *Aktiengesellschaft*, signifies an incorporated entity which is owned by shareholders.

The terms Beemer, Bimmer and Bee-em are sometimes used as slang for BMW in the English language<sup>[7][8]</sup> and are sometimes used interchangeably for cars and motorcycles.<sup>[9][10][11]</sup>

# Logo The circular blue and white BMW logo or <u>roundel</u> evolved from the circular Rapp Motorenwerke company logo, from which the

BMW company grew, combined with the blue and white colors of the flag of Bavaria. [12] The current iteration of the logo was introduced in 2020, [13] removing 3D effects that had been used in renderings of the logo, and also removing the black outline encircling the rondel. The logo will be used on BMW's branding but



BMW badge on a 1931 Dixi



Flag of Bavaria

will not be used on vehicles<sup>[14][15]</sup>

The origin of the logo is often thought to be a portrayal of the movement of an aircraft propeller with the white blades cutting through a blue sky. However, this portrayal was first used in a BMW advertisement in 1929 – twelve years after the logo was created – so this is not the origin of the logo itself.<sup>[16]</sup>

## Slogan

The slogan 'The Ultimate Driving Machine' was first used in North America in 1974. <sup>[17][18]</sup> In 2010, this long-lived campaign was mostly supplanted by a campaign intended to make the brand more approachable and to better appeal to women, 'Joy'. By 2012 BMW had returned to 'The Ultimate Driving Machine'. <sup>[19]</sup>

## **Finances**

For the fiscal year 2017, BMW reported earnings of EUR 8.620 billion, with an annual revenue of EUR 98.678 billion, an increase of 4.8% over the previous fiscal cycle. [20] BMW's shares traded at over €77 per share, and its market capitalization was valued at US 55.3 billion in November 2018. [21]

Year	Revenue in bn. EUR€	Net income in bn. EUR€	Total Assets in bn. EUR€	Employees
2013	76.058	5.314	138.368	110,351
2014	80.401	5.798	154.803	116,324
2015	92.175	6.369	172.174	122,244
2016	94.163	6.863	188.535	124,729
2017	98.678	8.620	193.483	129,932

# **Motorcycles**

BMW began production of motorcycle engines and then motorcycles after World War I. [22] Its motorcycle brand is now known as <u>BMW Motorrad</u>. Their first successful motorcycle after the failed Helios and Flink, was the "R32" in 1923, though production originally began in 1921. [23] This had a "boxer" twin engine, in which a cylinder projects into the airflow from each side of the machine. Apart from their single-cylinder models (basically to the same pattern), all their motorcycles used this distinctive layout until the early 1980s. Many BMW's are still produced in this layout, which is designated the <u>R Series</u>.



The R32 motorcycle, the first BMW motor vehicle, at the BMW Museum in Munich

The entire BMW Motorcycle production has, since 1969, been located at the company's Berlin-Spandau factory.

During the Second World War, BMW produced the <u>BMW R75</u> motorcycle with a motor-driven sidecar attached, combined with a lockable <u>differential</u>, this made the vehicle very capable off-road. [24][25]

In 1982, came the <u>K Series</u>, shaft drive but water-cooled and with either three or four cylinders mounted in a straight line from front to back. Shortly after, BMW also started making the chain-driven  $\underline{F}$  and  $\underline{G}$  series with single and parallel twin Rotax engines.

In the early 1990s, BMW updated the <u>airhead</u> Boxer engine which became known as the <u>oilhead</u>. In 2002, the oilhead engine had two spark plugs per cylinder. In 2004 it added a built-in balance shaft, an increased capacity to 1,170 cc and enhanced performance to 100 hp (75 kW) for the <u>R1200GS</u>,

The 2015 BMW R1200RT

compared to 85 hp (63 kW) of the previous <u>R1150GS</u>. More powerful variants of the oilhead engines are available in the R1100S and R1200S, producing 98 and 122 hp (73 and 91 kW), respectively.

In 2004, BMW introduced the new K1200S Sports Bike which marked a departure for BMW. It had an engine producing 167 hp (125 kW), derived from the company's work with the Williams F1 team, and is lighter than previous K models. Innovations include electronically adjustable front and rear suspension, and a Hossack-type front fork that BMW calls Duolever.

BMW introduced <u>anti-lock brakes</u> on production motorcycles starting in the late 1980s. The generation of anti-lock brakes available on the 2006 and later BMW motorcycles paved the way for the introduction of <u>electronic stability control</u>, or anti-skid technology later in the 2007 model year.

BMW has been an innovator in motorcycle suspension design, taking up telescopic front suspension long before most other manufacturers. Then they switched to an <u>Earles fork</u>, front suspension by swinging fork (1955 to 1969). Most modern BMWs are truly rear swingarm, single sided at the back (compare with the regular swinging fork usually, and wrongly, called <u>swinging arm</u>). Some BMWs started using yet another trademark front suspension design, the Telelever, in the early 1990s. Like the Earles fork, the Telelever significantly reduces dive under braking.

BMW Group, on 31 January 2013, announced that Pierer Industrie AG has bought Husqvarna for an undisclosed amount, which will not be revealed by either party in the future. The company is headed by Stephan Pierer (CEO of KTM). Pierer Industrie AG is 51% owner of KTM and 100% owner of Husqvarna.

In September 2018, BMW unveiled a new self-driving motorcycle with BMW Motorrad with a goal of using the technology to help improve road safety.<sup>[26]</sup> The design of the <u>bike</u> was inspired by the company's <u>BMW R1200 GS</u> model.<sup>[27]</sup>

# **Automobiles**

#### **Current models**

The current model lines of BMW cars are:

- <u>1 Series</u> five-door hatchbacks (model code <u>F40</u>). A four-door sedan variant (model code <u>F52</u>) is also sold in China and Mexico.<sup>[28]</sup>
- **2 Series** two-door coupes (model code <u>F22</u>) and convertibles (<u>F23</u>), "Active Tourer" five-seat MPVs (F45) and "Gran Tourer" seven-seat MPVs (F46), and four-door "Gran Coupe" fastback

(model code F44).

■ 3 Series four-door sedans (model code G20) and five-door station wagons (G21).

- **4 Series** two-door coupes (model code <u>F32</u>), two-door convertibles (model code <u>F33</u>) and five-door "Gran Coupe" fastbacks (model code F36).
- <u>5 Series</u> four-door sedans (model code <u>G30</u>) and five-door station wagons (<u>G31</u>). A long-wheelbase sedan variant (<u>G38</u>) is also sold in China.
- 6 Series "Gran Turismo" four-door coupes (model code G32)
- **7 Series** four-door sedans (model code <u>G11</u>) and long-wheelbase four-door sedans (model code G12).
- 8 Series two-door coupes (model code <u>G14</u>), two-door convertibles (<u>G15</u>) and "Gran Coupe" four-door fastbacks (G16).



1 Series (F40)

2 Series (F22)

3 Series (G20)

4 Series (F33)

5 Series (G30)

6 Series (G32)

7 Series (G12)

8 Series (G15)

The current model lines of the X Series SUVs and crossovers are:

- **X1** (model code F48)
- **X2** (F39)
- **X3** (G01)

- **X4** (G02)
- **X5** (G05)
- **X6** (G06)
- **X7** (G07)

X1 (F48)

X2 (F39)

X3 (G01)

X4 (G02)

X5 (G05)

X6 (G06)

X7 (G07)

The current model line of the Z Series two-door roadsters is the **Z4** (model code G29).

Z4 (G29)

#### i models

Electric vehicles and hybrid vehicles are sold under the BMW i sub-brand. The current model range consists of:

- <u>i3</u> five-door <u>B-segment</u> (supermini) hatchback, powered by an electric motor (with optional petrol engine)
- i8 two-door sports coupe/roadster, powered by an electric motor and a petrol engine

i3 i8

In addition, several hybrid models built on existing platforms have been marketed as *iPerformance* models. Examples include the  $\underline{225xe}$  using a 1.5 L three-cylinder turbocharged petrol engine with an electric motor, the  $\underline{330e}/\underline{530e}$  using a 2.0 L four-cylinder engine with an electric motor. [29]

#### M models

The *BMW M GmbH* subsidiary (called BMW Motorsport GmbH until 1993) has high-performance versions of various BMW models since 1978.

The recent model range consists of:

- M2 two-door coupe
- M3 four-door sedan (due to return in 2020)<sup>[30]</sup>
- M4 two-door coupe/convertible
- M5 four-door sedan
- M8 two-door coupe/convertible
- X3 M five-door compact SUV<sup>[31]</sup>
- X4 M five-door coupe-styled compact SUV<sup>[31]</sup>
- **X5 M** five-door SUV (expected to return in 2020)<sup>[32]</sup>
- **X6 M** five-door coupe-styled SUV (expected to return in 2020)<sup>[33]</sup>

<u>M2</u> <u>M4</u> <u>M5</u>

M8 coupe M8 convertible X3 M

#### X4 M

The letter "M" is also often used in the marketing of BMW's regular models, for example the <u>F20</u> M140i model, the <u>G11</u> M760Li model and various optional extras called "M Sport", "M Performance" or similar.

## Naming convention for models

# **Motorsport**

BMW has a long history of motorsport activities, including:

- Touring cars, such as DTM, WTCC, ETCC and BTCC
- Formula One
- Endurance racing, such as <u>24 Hours Nürburgring</u>, <u>24 Hours of Le Mans</u>, <u>24 Hours of Daytona</u> and Spa 24 Hours
- Isle of Man TT
- Dakar Rally
- American Le Mans Series
- Formula BMW a junior racing Formula category.
- Formula Two
- Formula E

2016 BMW M4 DTM

2016 BMW M6 GT3

2016 BMW S1000RR

## Involvement in the arts

## **Art Cars**

In 1975, sculptor <u>Alexander Calder</u> was commissioned to paint the BMW 3.0 CSL racing car driven by <u>Hervé Poulain</u> at the 24 Hours of Le Mans, which became the first in the series of BMW Art Cars. Since Calder's work of art, many other renowned artists throughout the world have created BMW Art Cars, including <u>David Hockney</u>, <u>Jenny Holzer</u>, <u>Roy Lichtenstein</u>, <u>Robert Rauschenberg</u>, <u>Frank Stella</u>, and <u>Andy Warhol</u>. [34] To date, a total of 19 BMW Art Cars, based on both racing and regular production vehicles, have been created.

1975 <u>3.0 CSL</u> Art Car 1979 <u>M1</u> Art Car by 2017 <u>M6 GT3</u> Art Car by Alexander Calder Andy Warhol by <u>Cao Fei</u>

#### **Architecture**

The global <u>BMW Headquarters</u> in Munich represents the cylinder head of a 4-cylinder engine. It was designed by <u>Karl Schwanzer</u> and was completed in 1972. The building has become a European icon<sup>[34]</sup> and was declared a protected historic building in 1999. The main tower consists of four vertical cylinders standing next to and across from each other. Each cylinder is divided horizontally in its center by a mold in the facade. Notably, these cylinders do not stand on the ground; they are suspended on a central support tower.

BMW Museum is a futuristic cauldron-shaped building, which was also designed by Karl Schwanzer and opened in 1972. [35] The interior has a spiral theme and the roof is a 40-metre diameter BMW logo.

BMW Welt, the company's exhibition space in Munich, was designed by Coop Himmelb(l)au and opened in 2007. It includes a showroom and lifting platforms where a customer's new car is theatrically unveiled to the customer. [36]

**BMW Headquarters** 

BMW Museum I

**BMW Welt** 

#### Film

In 2001 and 2002, BMW produced a series of 8 short films called <u>The Hire</u>, which had plots based around BMW models being driven to extremes by <u>Clive Owen</u>. The directors for The Hire included <u>Guy Ritchie</u>, <u>John Woo</u>, <u>John Frankenheimer</u> and <u>Ang Lee</u>. In 2016, a ninth film in the series was released.

The 2006 "BMW Performance Series" was a marketing event geared to attract black car buyers. It consisted of seven concerts by jazz musician Mike Phillips, and screenings of films by black filmmakers. [38][39]

## Visual arts

BMW was the principal sponsor of the 1998 <u>The Art of the Motorcycle</u> exhibition at various <u>Guggenheim museums</u>, though the financial relationship between BMW and the Guggenheim Foundation was criticised in many quarters.<sup>[40][41]</sup>

In 2012, BMW began sponsoring <u>Independent Collectors</u> production of the *BMW Art Guide*, which is the first global guide to private and publicly accessible collections of contemporary art worldwide. [42] The fourth edition, released in 2016, features 256 collections from 43 countries. [43]

## **Production and sales**

BMW produces complete automobiles in the following countries:

Germany: Munich, Dingolfing, Regensburg and Leipzig

Austria: Graz<sup>[44]</sup>

United States: <u>Spartanburg</u><sup>[45]</sup>
 Mexico: San Luis Potosí<sup>[46]</sup>

South Africa: Rosslyn

India: <u>Chennai</u>China: <u>Shenyang</u>Brazil: Araquari

Spot welding 3 Series bodies in Leipzig, Germany

BMW also has local assembly operation using <u>complete knock-down</u> (CKD) components in Thailand, Russia, Egypt, Indonesia, Malaysia and India. [47]

The BMW group (including Mini and Rolls-Royce) produced 1,366,838 automobiles in 2006 and then 1,481,253 automobiles in 2010. [48][49] BMW Motorcycles are being produced at the company's Berlin factory, which earlier had produced aircraft engines for Siemens.

By 2011, about 56% of BMW-brand vehicles produced are powered by petrol engines and the remaining 44% are powered by diesel engines. Of those petrol vehicles, about 27% are four-cylinder models and about nine percent are eight-cylinder models.<sup>[50]</sup> On average, 9,000 vehicles per day exit BMW plants, and 63% are transported by rail.<sup>[51]</sup>

Annual production since 2005, according to BMW's annual reports: [49]

Year	BMW	MINI	Rolls-Royce	Motorcycle*
2005	1,122,308	200,119	692	92,013
2006	1,179,317	186,674	847	103,759
2007	1,302,774	237,700	1,029	104,396
2008	1,203,482	235,019	1,417	118,452
2009	1,043,829	213,670	918	93,243
2010	1,236,989	241,043	3,221	112,271
2011	1,440,315	294,120	3,725	110,360
2012	1,547,057	311,490	3,279	113,811
2013	1,699,835	303,177	3,354	110,127
2014	1,838,268	322,803	4,495	133,615
2015	1,933,647	342,008	3,848	151,004
2016	2,002,997	352,580	4,179	145,555
2017	2,123,947	378,486	3,308	185,682

Annual sales since 2005, according to BMW's annual reports:

Year	BMW	MINI	Rolls-Royce	Motorcycle*
2005	1,126,768	200,428	797	97,474
2006	1,185,089	188,077	805	100,064
2007	1,276,793	222,875	1,010	102,467
2008	1,202,239	232,425	1,212	115,196
2009	1,068,770	216,538	1,002	100,358
2010	1,224,280	234,175	2,711	110,113
2011	1,380,384	285,060	3,538	113,572
2012	1,540,085	301,525	3,575	117,109
2013	1,655,138	305,030	3,630	115,215**
2014	1,811,719	302,183	4,063	123,495
2015	1,905,234	338,466	3,785	136,963
2016	2,003,359	360,233	4,011	145,032
2017	2,088,283	371,881	3,362	164,153

<sup>\*</sup> In 2008–2012, motorcycle productions figures include Husqvarna models.

## Recalls

In November 2016, BMW recalled 136,000 2007–2012 model year U.S. cars for fuel pump wiring problems possibly resulting in fuel leak and engine stalling or restarting issues.<sup>[52]</sup>

In 2018, BMW recalled 106,000 diesel vehicles in South Korea with a defective exhaust gas recirculation module, which caused 39 engine fires. The recall was then expanded to 324,000 more cars in Europe. [53] Following the recall in South Korea, the government banned cars which had not yet been inspected from driving on public roads. [54] This affected up to 25% of the recalled

<sup>\*\*</sup> Excluding Husqvarna, sales volume up to 2013: 59,776 units.

cars, where the owners had been notified but the cars had not yet been inspected. BMW is reported to have been aware since 2016 that more than 4% of the affected cars in South Korea had experienced failures in the EGR coolers, [55] leading to approximately 20 owners suing the company. [56]

# **Industry collaboration**

BMW has collaborated with other car manufacturers on the following occasions:

- <u>McLaren Automotive</u>: BMW designed and produced the V12 engine that powered the <u>McLaren</u> F1. [57][58]
- Peugeot and Citroën: Joint production of four-cylinder petrol engines, beginning in 2004. [59]
- <u>Daimler Benz</u>: Joint venture to produce the hybrid drivetrain components used in the <u>ActiveHybrid 7</u>.<sup>[60][61]</sup> Development of automated driving technology.<sup>[62]</sup>
- <u>Toyota</u>: Three-part agreement in 2013 to jointly develop <u>fuel cell</u> technology, develop a joint platform for a sports car (for the 2018 <u>BMW Z4 (G29)</u> and <u>Toyota Supra</u>) and research <u>lithium-air batteries</u>. [63][64][65]
- Audi and Mercedes: Joint purchase of Nokia's Here WeGo (formerly Here Maps) in 2015. [66]
- In 2018, Horizn Studios collaborated with BMW to launch special luggage editions. [67]

# **Sponsorships**

BMW made a six-year sponsorship deal with the <u>United States</u> Olympic Committee in July 2010. [68][69]

In golf, BMW has sponsored various events,<sup>[70]</sup> including the PGA Championship since 2007,<sup>[71][72]</sup> the <u>Italian Open</u> form 2009–2012, the <u>BMW Masters</u> in China from 2012-2015<sup>[73][74]</sup> and the <u>BMW International Open</u> in Munich since 1989.<sup>[75]</sup>

In rugby, BMW sponsored the South Africa national rugby union team from 2011 to 2015. [76][77]

BMW sponsor car at the London 2012 Olympics

## **Environmental record**

BMW is a charter member of the <u>U.S. Environmental Protection Agency</u>'s (EPA) National Environmental Achievement Track, which recognizes companies for their environmental stewardship and performance.<sup>[78]</sup> It is also a member of the South Carolina Environmental Excellence Program.<sup>[79]</sup>

Since 1999, BMW has been named the world's most sustainable automotive company every year by the Dow Jones Sustainability Index.<sup>[80]</sup> The BMW Group is one of three automotive companies to be featured every year in the index.<sup>[81]</sup> In 2001, the BMW Group committed itself to the United Nations Environment Programme, the UN Global Compact and the Cleaner Production Declaration. It was also the first company in the automotive industry to appoint an environmental officer, in 1973.<sup>[82]</sup> BMW is a member of the World Business Council for Sustainable Development.<sup>[83]</sup>

In 2012, BMW was the highest automotive company in the Carbon Disclosure Project's Global 500 list, with a score of 99 out of 100. [84][85] The BMW Group was rated the most sustainable DAX 30 company by Sustainalytics in 2012. [86]

To reduce vehicle emissions, BMW is improving the efficiency of existing fossil-fuel powered models, while researching electric power, hybrid power and hydrogen for future models.<sup>[87]</sup>

During the first quarter of 2018, BMW sold 26,858 Electrified Vehicles (EVs, PHEVs, & Hybrids).<sup>[88]</sup>

# **Car-sharing services**

<u>DriveNow</u> was a joint-venture between BMW and Sixt that operated from in Europe from 2011 until 2019. By December 2012, [89] DriveNow operated over 1,000 vehicles, in five cities and with approximately 60,000 customers. [90]

In 2012, the BMW-owned subsidiary Alphabet began a corporate car-sharing service in Europe called AlphaCity. [91][92]

The <u>ReachNow</u> car-sharing service was launched in Seattle in April 2016.<sup>[93]</sup> ReachNow currently operates in Seattle, Portland and Brooklyn.

## Overseas subsidiaries

## **Production facilities**

#### China

The first BMW production facility in China was opened in 2004, as a result of a joint venture between BMW and <u>Brilliance Auto</u>. [94][95] The plant was opened in the <u>Shenyang</u> industrial area and produces 3 Series and 5 Series models for the Chinese market. [96][97] In 2012, a second factory was opened in Shenyang. [98]

Between January and November 2014, BMW sold 415,200 vehicles in China, through a network of over 440 BMW stores and 100 Mini stores.<sup>[99]</sup>

## Hungary

On 31 July 2018, BMW announced to build 1 billion euro car factory in Hungary. The plant, to be built near Debrecen, will have a production capacity of 150,000 cars a year. [100]

#### Mexico

In July 2014, BMW announced it was establishing a plant in Mexico, in the city and state of <u>San Luis Potosi</u> involving an investment of \$1 billion. The plant will employ 1,500 people, and produce 150,000 cars annually. [101]

#### **South Africa**

BMWs have been assembled in South Africa since 1968,<sup>[102]</sup> when Praetor Monteerders' plant was opened in <u>Rosslyn</u>, near <u>Pretoria</u>. BMW initially bought shares in the company, before fully acquiring it in 1975; in so doing, the company became *BMW South Africa*, the first wholly owned subsidiary of BMW to be established outside Germany. Unlike United States manufacturers, such as <u>Ford</u> and <u>GM</u>, which divested from the country in the 1980s, BMW retained full ownership of its operations in South Africa.

Following the end of <u>apartheid</u> in 1994, and the lowering of import tariffs, BMW South Africa ended local production of the 5 Series and 7 Series, in order to concentrate on production of the 3 Series for the export market. South African–built BMWs are now exported to <u>right hand drive</u> markets including Japan, Australia, New Zealand, the United Kingdom, Indonesia, Malaysia, Singapore, and Hong Kong, as well as <u>Sub-Saharan Africa</u>. Since 1997, BMW South Africa has produced vehicles in <u>left-hand drive</u> for export to Taiwan, the United States and Iran, as well as South America.

Three unique models that <u>BMW Motorsport</u> created for the South African market were the <u>E23</u> M745i (1983), which used the <u>M88</u> engine from the <u>BMW M1</u>, the BMW 333i (1986), which added a six-cylinder 3.2-litre <u>M30</u> engine to the <u>E30</u>, [103] and the <u>E30</u> BMW 325is (1989) which was powered by an Alpina-derived 2.7-litre engine.

BMWs with a VIN starting with "NCo" are manufactured in South Africa.

## **United States**

BMW cars have been officially sold in the United States since 1956<sup>[104]</sup> and manufactured in the United States since 1994.<sup>[105]</sup> The first BMW dealership in the United States opened in 1975.<sup>[106]</sup> In 2016, BMW was the twelfth highest selling brand in the United States.<sup>[107]</sup>

The manufacturing plant in Greer, South Carolina has the highest production of the BMW plants worldwide, [108] currently producing approximately 1,500 vehicles per day. [109] The models produced at the Spartanburg plant are the  $\underline{X3}$ ,  $\underline{X4}$ ,  $\underline{X5}$ ,  $\underline{X6}$  and  $\underline{X7}$  SUV models.

BMW Zentrum museum in Spartanburg, South Carolina

In addition to the South Carolina manufacturing facility, BMW's North American companies include sales, marketing, design, and financial services operations in the United States, Mexico, Canada and Latin America.

## Complete knock-down assembly facilities

#### **Brazil**

On 9 October 2014, BMW's new complete knock-down (CKD) assembly plant in <u>Araquari</u>, assembled its first car— an F30 3 Series. [110][111]

The cars assembled at Araquari are the  $\underline{F20}$  1 Series,  $\underline{F30}$  3 Series,  $\underline{F48}$  X1,  $\underline{F25}$  X3 and  $\underline{Mini}$  Countryman. [112]

## **Egypt**

Bavarian Auto Group became the importer of the BMW and Mini brands in 2003.

Since 2005, the 3 Series, 5 Series, 7 Series, X1 and X3 models sold in Egypt are assembled from complete knock-down components at the BMW plant in 6th of October City. [112]

#### India

BMW India was established in 2006 as a sales subsidiary with a head office located in Gurugram.

A BMW complete knock-down assembly plant was opened in <u>Chennai</u> in 2007, assembling Indianmarket 3 Series, 5 Series, 7 Series, X1, X3, X5, Mini Countryman and motorcycle models. [112][113] The 20 Million Euro plant aims to produce 1,700 cars per year.

#### Russia

Russian-market 3 Series and 5 Series cars are assembled from complete knock-down components in Kaliningrad beginning in 1999.<sup>[114]</sup>

## Malaysia

BMW's complete knock-down (CKD) assembly plant in <u>Kedah</u>. Assembled Malaysia-market <u>1</u> Series, <u>3</u> Series, <u>5</u> Series, <u>7</u> Series, <u>7</u> Series, <u>7</u> Xeries, <u>7</u> Xeries, <u>7</u> Xeries, <u>8</u> Xeries, <u>8</u> Xeries, <u>9</u> X

## **Vehicle importers**

#### Canada

BMW's first dealership in Canada, located in Ottawa, was opened in 1969.<sup>[116]</sup> In 1986, BMW established a head office in Canada.<sup>[117]</sup>

BMW sold 28,149 vehicles in Canada in 2008. [118]

## Japan

BMW Japan Corp, a wholly owned subsidiary, imports and distributes BMW vehicles in Japan. [119]

## **Philippines**

BMW Philippines, an owned subsidiary of <u>San Miguel Corporation</u>, The Official Importer and Distributor of BMW in the Philippines.<sup>[120]</sup>

BMW sold 920 vehicles in the Philippines in 2019. [121]

#### **South Korea**

BMW Korea imports BMW vehicles in South Korea with more than fifty service centers to fully accomplish to Korean customers. Also, BMW Korea has its own driving center in Incheon. [122]

## See also

■ BMW Group Classic

List of BMW engines

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