

# BMW at the Mondial de l'Automobile Paris 2014. Contents.



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# 1. BMW at the Mondial de l'Automobile Paris 2014. (Summary)



German premium carmaker BMW is taking to the stage at the 2014 Paris Motor Show with the latest results of its ongoing model push, revealing even more ways to experience the brand's hallmark driving pleasure. Europe's most important car show of the year, which opens to the public from 4 – 19 October 2014, will host the world premieres of two new models: the BMW 2 Series Convertible and the new BMW X6. Also on display in the French capital are the new four-cylinder diesel engines for the BMW 5 Series, an exclusive special edition of the BMW 7 Series luxury Sedan, and innovations from BMW ConnectedDrive. Paris also provides the venue for the French premiere of the BMW 2 Series Active Tourer and groundbreaking BMW i8 plug-in hybrid sports car.

The new arrivals underline the expertise of BMW in the development of fresh new vehicle concepts and pioneering drive system technology, as well as its success in breaking into new segments. The BMW 2 Series Convertible and new BMW X6 are the successors to two trailblazing models: the world's first open-top model in the premium compact segment and the inaugural Sports Activity Coupe. Elsewhere in the BMW range, a new generation of four-cylinder diesel engines will see the BMW 518d and BMW 520d further increasing their lead in terms of efficiency at the premium end of the executive class. Representatives from the BMW Group's new engine family also help to bring superior sporting ability and exemplary fuel economy and emissions to the BMW 2 Series Active Tourer. Combining BMW's customary driving pleasure with impressive interior functionality, this new model sees BMW opening up additional target groups in the premium compact segment.

## **World premiere: the BMW 2 Series Convertible.**

Sporty, elegant lines, an ultra-intense open-top driving experience and dynamic ability outstripping that of its premium compact rivals are the standout characteristics of the BMW 2 Series Convertible, which will celebrate its world premiere at the 2014 Paris Motor Show. The BMW 2 Series Convertible takes driving pleasure into a new dimension for a drop-top model in this class. The four-seater is the successor to the BMW 1 Series Convertible and builds wholeheartedly on the strengths of the most successful premium car in its class. Eye-catching, graceful design and a low waistline – which emphasises the car's "boat deck" character with the roof down – serve up a distinctive appearance and a refreshing brand of open-air

driving pleasure. The electrically operated soft-top optimises acoustic comfort and can be opened or closed in 20 seconds when travelling at up to 50 km/h (31 mph). The impressive torsional stiffness of the body structure and further developed chassis technology deliver a noticeable increase in agility, while the new engine line-up combines enhanced sporting ability with outstanding efficiency.

The BMW 2 Series Convertible also offers innovative equipment features as well as increased space, comfort and functionality and a more premium character for the interior. The range of BMW ConnectedDrive features also includes an exclusive new addition: the BMW 2 Series Convertible is the first model to offer the new-generation Navigation system Professional, which allows navigation data to be updated “over the air” via the embedded SIM card.

### **World premiere: the new BMW X6.**

The new edition of the BMW X6 captures the imagination with its even more potent presence, the extroverted athleticism of its design, standout performance, luxurious interior design and innovative equipment features. Its standard equipment goes well beyond that of the previous model and includes bi-xenon headlights, 19-inch light-alloy wheels, automatic tailgate operation, the eight-speed Steptronic sport transmission, leather trim, two-zone climate control and the Driving Assistant package from BMW ConnectedDrive. The exclusive style of the Sports Activity Coupe can also be given even greater depth with the help of the M Sport package, Design Pure Extravagance option and model-specific features from BMW Individual.

Three powerful and efficient engines with BMW TwinPower Turbo technology will be available from the launch of the new BMW X6. All model variants come as standard with the BMW xDrive intelligent all-wheel-drive system. Customers looking to sharpen the dynamics or enhance the comfort of their X6 can also specify the optional Dynamic adaptive suspension package, Comfort adaptive suspension package or Professional adaptive suspension package with Dynamic Damper Control, air suspension for the rear axle, Dynamic Performance Control and Dynamic Drive active roll stabilisation.

### **French premiere: the BMW 2 Series Active Tourer.**

The BMW 2 Series Active Tourer brings a combination of spaciousness and comfort, hallmark BMW dynamics, style and elegance to the premium compact class. The new model – presented in France for the first time – has compact dimensions (length: 4,342 millimetres, width: 1,800 millimetres,

height: 1,555 millimetres) yet offers a raised seating position, a variable rear seat bench and a generously sized boot (468–1,510 litres).

In order to meet the highest standards in terms of spaciousness, variability and functionality, the BMW 2 Series Active Tourer has a cutting-edge front-wheel-drive system. Engines with three or four cylinders promise the driving pleasure and exemplary efficiency for which BMW is renowned.

**New generation of engines for the BMW 5 Series, new efficiency benchmark at the premium end of the executive class.**

With the introduction of a new generation of four-cylinder diesel engines, the BMW 5 Series Sedan and BMW 5 Series Touring are set to further extend their lead in terms of efficiency at the premium end of the executive class. The new 2.0-litre units with BMW TwinPower Turbo technology boost the output of both the new BMW 518d and the new BMW 520d by an extra 5 kW. At the same time, fuel consumption and CO<sub>2</sub> emissions in the EU test cycle fell by up to 0.4 litres per 100 kilometres / 10 grams per kilometre. For example, the new BMW 520d Sedan with optional eight-speed Steptronic transmission burns just 4.5–4.1 litres of fuel per 100 kilometres [62.8–68.9 mpg imp] (CO<sub>2</sub> emissions: 119–109 g/km; depending on the tyre format fitted).

**BMW Concept X5 eDrive: innovative hybrid technology meets intelligent all-wheel drive.**

The BMW Concept X5 eDrive presents an innovative recipe for further reducing the fuel consumption and emissions of a Sports Activity Vehicle. The study car combines familiar driving pleasure – courtesy of the xDrive intelligent all-wheel-drive system – and a luxurious ambience with a plug-in hybrid drive concept. The latter offers drivers the sporting flair for which BMW is renowned, all-electric driving at up to 120 km/h (75 mph) and average fuel consumption in the EU test cycle of under 3.8 litres per 100 kilometres (upwards of 74 mpg imp). As such, the Concept X5 eDrive represents an impressive example of the effectiveness of the BMW EfficientDynamics development strategy. The drive system under the skin of the BMW Concept X5 eDrive comprises a four-cylinder petrol engine with BMW TwinPower Turbo technology and an electric motor. The concept car's lithium-ion battery can be charged quickly and safely from any conventional domestic power socket or a BMW i Wallbox.

### **Bringing alluring exclusivity to the French market: the BMW 7 Series Individual Final Edition.**

With its unique combination of high-quality options from BMW Individual, the BMW 7 Series Individual Final Edition – designed specially for the French market – sets another new exclusivity benchmark in the luxury sedan segment. The extra features offered by the special-edition model include BMW Individual paintwork and a harmoniously composed blend of interior fixtures and fittings. The BMW Individual fine-grain Merino full-leather trim with piping in a contrasting colour, BMW Individual roof liner in Alcantara and high-gloss BMW Individual Piano Finish Black interior trim elements lend the interior an exceptionally stylish ambience and luxurious sense of well-being.

### **French premiere: the BMW i8 – a sports car of the future and the first series-produced car with laser headlights.**

An array of pioneering technological features come together in the BMW i8 to imbue it with “sports car of the future” character. The groundbreaking design of the i8 is based on the LifeDrive vehicle architecture developed for BMW i, which combines a passenger cell made from carbon-fibre-reinforced plastic (CFRP) and an aluminium chassis accommodating the drive system, high-voltage battery, suspension components, and crash and structural functions. The drive system powering the BMW Group’s first plug-in hybrid model combines BMW TwinPower Turbo technology with BMW eDrive technology to deliver the performance characteristics of a powerful sports car with fuel economy and emissions more familiar from a small car.

The i8 package also includes mobility services from BMW ConnectedDrive developed specifically for BMW i and innovative 360° ELECTRIC services. Added to which, the BMW i8 is the world’s first series-produced car that can be ordered with laser headlights as an option.

### **New from BMW ConnectedDrive: over-the-air navigation data update, LTE technology and the BMW i Remote app for data exchange between the BMW i8 and a smart watch.**

The BMW ConnectedDrive line-up has been expanded to include new functions and technologies that make intelligent connectivity even more convenient. For example, the latest generation of the Navigation system Professional now allows an over-the-air map data update. The maps are updated via a mobile phone connection – at no cost to the user – thanks to the SIM card fitted in the car. In order to ensure an extremely fast and reliable data transfer for these and other BMW ConnectedDrive functions, the SIM card built into BMW models will in future meet the LTE (Long Term Evolution) high-speed mobile standard.

The BMW i Remote app has been developed specifically to allow convenient data sharing between drivers and their electrically powered cars. The app can be used on either a smartphone or a smart watch via specific interfaces. The 2014 Paris Motor Show will see the presentation of the BMW i Remote app link designed to handle data transfer between the BMW i8 plug-in hybrid sports car and a Samsung GALAXY Gear smart watch. This will allow BMW i8 drivers to access all of the important information on the status of their car on their wrist, transfer information including navigation data and addresses, and remotely activate preconditioning of the car's interior temperature.

Further information on official fuel consumption figures, specific CO<sub>2</sub> emission values and the electric power consumption of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO<sub>2</sub> emissions und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. LeitfadenCO<sub>2</sub> (GuidelineCO<sub>2</sub>) (PDF – 2.7 MB)



## **2. BMW at the Mondial de l'Automobile Paris 2014. (Long version)**

### **2.1 Refreshingly dynamic: The BMW 2 Series Convertible.**

Superior dynamics in the premium compact segment can now be savoured in particularly refreshing mode. The BMW 2 Series Convertible sets new standards for driving dynamics among the competition while at the same time offering a supremely intense open-top driving experience. As the successor to the BMW 1 Series Convertible, it develops the hallmark strengths of the world's most successful open-top premium model in its class and takes them to a higher level. Even more elegant, athletic and assertive in its design, it has also made palpable progress in its sprinting ability, agility and efficiency, as well as offering enhanced ride comfort, improved functionality and innovative equipment features. The market launch of the BMW 2 Series Convertible starts in February 2015, with the first open-top BMW M Performance Automobile – the BMW M235i Convertible – in pole position.

In addition to the flagship model powered by an in-line six-cylinder petrol engine with M Performance TwinPower Turbo technology and 240 kW/326 hp, the market launch of the BMW 2 Series Convertible (average fuel consumption: 8.5–4.4 l/100 km [33.2–64.2 mph]; average CO<sub>2</sub> emissions: 199–116 g/km) will offer a choice of three further engine variants. In tandem with the rear-wheel-drive configuration unique to this segment, they will deliver unrivalled driving pleasure with an up to 18 per cent improvement in fuel economy and emissions figures compared to the BMW 1 Series Convertible, depending on the model.

The electrically operated soft-top of the BMW 2 Series Convertible offers optimised acoustic comfort and can be opened and closed in a matter of 20 seconds – even when driving at speeds of up to 50 km/h (30 mph). The flat shoulderline, the soft-top that stows away fully into the rear and the rollover bar which is concealed when the car is stationary all lend the interior of the open-top four-seater the “boat deck” look that typifies BMW Convertibles. Exclusive refinements to the interior design – which is based on the BMW 1 Series and the BMW 2 Series Coupe – underline its premium ambience. Available as an alternative to standard specification are the variants Advantage, Sport Line, Luxury Line and M Sport, offering carefully considered individualisation of the BMW 2 Series Convertible.

**Design: elegant, athletic and uncompromisingly open.**

In its exterior design, the BMW 2 Series Convertible showcases the hallmark features of an open-top four-seater bearing the BMW badge. Its elegantly stretched silhouette is defined by the flat shoulderline that rises steadily to the rear, while the striking swage line that runs through the door handles and the powerfully formed surfaces around the rear wheel arches accentuate its athletic character. Short overhangs, a broad wheelbase, wide track and long bonnet make for typical BMW proportions. The BMW 2 Series Convertible is 72 millimetres longer than its predecessor and 26 millimetres wider. The wheelbase has grown by 30 millimetres, the front track by 41 and the rear track by 43.

The fabric top, which brings with it optimised acoustic comfort thanks to additional insulation, is available in three variants: Black as standard or optionally in Anthracite with silver effect or Brown with silver effect. When opened, it stows away fully under the soft-top cover that merges seamlessly into the shoulderline, harmoniously wrapping the car body around the interior. In conjunction with the typically BMW set-back seating position in the passenger cell, this furnishes the ideal conditions for particularly intense open-top driving pleasure.

The design of the interior is headlined by modern functionality, high-quality materials and the driver focus for which BMW is renowned. Further highlights inside the BMW 2 Series Convertible come courtesy of chrome surrounds for the air vents in the centre console, while the exclusively designed climate control panel features a display with white readouts. In convertible mode with the top down, the standard climate control system also takes into account the impact of the airstream on the temperature. The optional leather trim includes surfaces that use SunReflective technology to reduce the extent to which the leather is heated by the sun's rays.

**Power units: superior sportiness and fuel consumption reduced by up to 18 per cent.**

Engines with BMW TwinPower Turbo technology and an extensive range of BMW EfficientDynamics measures are the basis of the supreme sporty power and exemplary efficiency of the BMW 2 Series Convertible compared to the competition. Depending on the engine variant, power hikes are in some cases considerable, while fuel economy and emissions figures are up to 18 per cent lower than for the relevant predecessor model. The 135 kW/184 hp BMW 220i Convertible goes from standstill to 100 km/h (62 mph) in 7.5 seconds, while the BMW 228i Convertible with 180 kW/245 hp completes the sprint in just 6.1 seconds. Average fuel consumption for the

BMW 220i Convertible is between 6.8 and 6.5 litres per 100 kilometre (41.5–43.5 mpg imp), with CO<sub>2</sub> emissions of 159 to 152 grams per kilometre. The BMW 228i Convertible has an average consumption of 6.8 litres per 100 kilometres (41.5 mpg imp) and CO<sub>2</sub> emissions of 159 grams per kilometre (as per EU test cycle, depending on tyre format).

The four-cylinder diesel unit powering the BMW 220d Convertible hails from the BMW Group's new engine family and generates a maximum power of 140 kW/190 hp, taking the car from 0 to 100 km/h (62 mph) in 7.5 seconds. Average fuel consumption for the BMW 220d Convertible is 4.7 to 4.4 l/100 kilometres (60.1–64.2 mpg imp) with CO<sub>2</sub> emissions of 124 to 116 grams per kilometre (as per EU test cycle, depending on tyre format). All engines are optionally available with an eight-speed Steptronic transmission.

A 240 kW/326 hp straight-six engine with chassis tuning based on the racing expertise of BMW M GmbH, aerodynamically optimised bodywork features and a model-specific cockpit design help the BMW M235i Convertible achieve outstanding dynamics, precision and emotionality. This top athlete sprints from stationary to 100 km/h (62 mph) in 5.2 seconds and combines its thrilling performance attributes with average fuel consumption of 8.5 litres per 100 kilometres (33.2 mpg imp) and CO<sub>2</sub> emissions of 199 grams per kilometre. The BMW M Performance Automobile is optionally available with an eight-speed Steptronic sport transmission.

### **Torsionally rigid body, more room for occupants and luggage.**

The body of the BMW 2 Series Convertible boasts 20 per cent greater torsional rigidity, which benefits both safety and agile handling. The increased space enjoyed by all four seats goes hand in hand with optimised functionality. Numerous storage facilities and large door pockets, as well as the now 450-millimetre-wide (+150 mm) through-loading aperture between the luggage compartment and the rear, serve to improve the touring qualities of the new model.

### **Debut for over-the-air navigation updates.**

Intelligent connectivity between driver, vehicle and outside world is yet another area in which the BMW 2 Series Convertible has made significant advances over the previous model. Among the highlights in the BMW ConnectedDrive programme are the rear view camera, the Parking Assistant and the System Driving Assistant including Lane Departure Warning and Collision Warning.

Furthermore, the BMW 2 Series Convertible is the brand's first model that can be fitted with the new-generation Navigation system Professional, which allows customers free over-the-air updates of their navigation data via the vehicle's built-in SIM card.

## 2.2 Incomparable, irresistible: The new BMW X6.



Armed with an even more potent design presence and outstanding performance, the new BMW X6 strengthens its position as a leading exponent of exclusive driving pleasure. The second generation of the Sports Activity Coupe, which has already achieved global sales of almost 250,000, enjoys a special status among BMW X model rivals thanks to its irresistible allure, intoxicating performance attributes and innovative luxury.

The extrovert design of the new BMW X6 blends the robustness and versatility of a BMW X model with the sporting elegance typical of the brand's Coupes. The interior combines generous space with model-specific sports features and a luxurious ambience, while attractive design and equipment packages further highlight the exclusive style of the new BMW X6. The Design Pure Extravagance equipment package adds striking, high-quality accents to both the interior and the exterior. The M Sport package, meanwhile, includes specially selected features that enhance the vehicle's dynamic character to a level that makes it immediately eye-catching. Also available from launch are model-specific features from BMW Individual.

The new BMW X6 additionally comes with a suitably exclusive roster of standard equipment which goes well beyond that of the previous model: bi-xenon headlights, 19-inch light-alloy wheels, automatic tailgate operation and the 8-speed Steptronic sport transmission with steering wheel shift paddles are all included, as are leather trim, two-zone climate control, auto-dimming rear-view mirror and the Driving Assistant safety package from BMW ConnectedDrive. Lending functionality an extra boost are the standard 40:20:40 split/folding rear seat backrests of the three-seater rear bench, which allow load compartment capacity to expand from 580 litres to as much as 1,525 litres (75 litres more than the predecessor model).

### **Majestic performance: noticeably greater dynamic ability, fuel consumption cut by up to 22 per cent, intelligent all-wheel drive permanently active.**

The line-up of engines available from the December 2014 launch of the new BMW X6 (fuel consumption combined: 9.7–6.0 l/100 km [29.1–47.1 mpg imp]; CO<sub>2</sub> emissions combined: 225–157 g/km) consists of the latest-generation V8 which generates 330 kW/450 hp for the BMW X6 xDrive50i, a 190 kW/258 hp six-cylinder in-line diesel engine for the

BMW X6 xDrive30d and another straight-six diesel with three turbochargers and 280 kW/381 hp in the BMW X6 M50d. Ensuring that the noticeably increased performance of the new BMW X6 is accompanied by an up to 22 per cent reduction in average fuel consumption are BMW TwinPower Turbo technology, the standard-fitted eight-speed Steptronic sport transmission, extensive BMW EfficientDynamics technology, weight-saving optimisations and enhanced aerodynamics. In spring 2015 the BMW X6 xDrive35i (225 kW/306 hp) and BMW X6 xDrive40d (230 kW/313 hp) will be added to the model range.

The standard – and permanently active – intelligent all-wheel-drive system BMW xDrive optimises traction, directional stability and cornering dynamics, as the situation requires. For improved dynamics, xDrive can optionally be coupled with adaptive suspension packages, including Dynamic Performance Control.

#### **Chassis packages for customised sportiness and comfort.**

Dynamic Performance Control is offered together with Dynamic Drive active roll stabilisation as part of the Dynamic adaptive suspension package to deliver a targeted improvement in the car's sporty handling attributes. Further enhanced ride comfort can be achieved courtesy of air suspension at the rear axle and Dynamic Damper Control, which are included in both the Comfort adaptive suspension package and Adaptive M suspension (standard on the BMW X6 M50d and part of the M Sport package for the other model variants), which also offers bespoke, sports-oriented suspension tuning. The Professional adaptive suspension package, meanwhile, combines the features of Comfort and Dynamic.

#### **Innovative options and BMW ConnectedDrive features.**

Adaptive LED headlights, Comfort Access (including hands-free tailgate opening and closing) and other high-class options underline the innovative character of the new BMW X6. Driving pleasure and long-distance comfort, meanwhile, can be further enhanced by such features as the Navigation System Professional with Touch Controller, Bang & Olufsen high-end surround-sound system and new Rear Entertainment System Professional.

The wide variety of features available through BMW ConnectedDrive includes a – in some cases – unique range of driver assistance systems and mobility services. Available on the options list are items such as the BMW Head-Up Display, Driving Assistant Plus with Traffic Jam Assistant, the BMW Parking Assistant, Surround View and BMW Night Vision with Dynamic Light Spot and Speed Limit Info, as well as all BMW ConnectedDrive services and Online Entertainment. The Intelligent Emergency Call function is part of standard specification for the new BMW X6.

## 2.3 Flexibility and versatility team up with hallmark BMW dynamics: The BMW 2 Series Active Tourer.



With the BMW 2 Series Active Tourer, BMW combines space and comfort with typical BMW driving dynamics, style and elegance in one premium compact-segment model. Measuring just 4,342 millimetres long, 1,800 millimetres wide and 1,555 millimetres in height, the BMW 2 Series Active Tourer combines compact dimensions on the outside with a strikingly spacious feel on the inside, making it perfectly suited to cope with the growing challenges of mobility.

New turbocharged engines with three and four cylinders, a comprehensive package of BMW EfficientDynamics measures and the extensive connectivity provided by BMW ConnectedDrive are all formative elements in a driving experience that centres on sporty performance and exemplary efficiency.

### **Dynamism and versatility brought together in familiar BMW fashion.**

In order to achieve a particularly high level of space, versatility and functionality in the premium compact class, BMW has opted for a sophisticated front-wheel-drive system for the BMW 2 Series Active Tourer that is able to deliver the degree of driver engagement expected of the brand's models. Together with the long wheelbase of 2,670 millimetres and raised roofline, this configuration enables the room inside to be maximised, resulting in an unprecedented feeling of spaciousness. Driver and front passenger enjoy a far higher seating position than in a sedan, which affords a commanding all-round view while at the same time making it easier to get in and out. The wealth of storage facilities and the option of a fold-flat passenger seat backrest are just two examples of the interior's impressive flexibility and cleverly devised layout. The cabin has a light and spacious feel to it, with all surfaces horizontally structured in a layered look. There is also the option of a large panoramic roof that lets light flood into the interior.

The brand identity with its overriding sense of dynamism is also clearly present in the BMW 2 Series Active Tourer. It shines through in trademark features such as the slightly forward-slanting BMW kidney grille at the front end flanked by the distinctive twin circular headlights. The short front overhang in particular is highly unusual for a front-wheel-drive car, and is just as much a classic BMW styling cue as the short overhang at the rear, the long wheelbase, the Hofmeister kink in the rear side windows and the L-shaped rear lights. Crisp contours and an eye-catching swage line at the sides give added impact to the wheel arches and make the BMW 2 Series Active Tourer

seem to surge forward even when it is stationary. Moving inside, the controls for the radio, air conditioning and air vents are angled towards the driver in another unmistakable BMW design trait.

### **Maximum versatility and functionality.**

The versatile luggage compartment, whose capacity can be enlarged from 468 to 1,510 litres, and the 40:20:40 split-folding rear backrest fitted as standard both exemplify this model's excellent everyday practicality. Flexibility is further enhanced by a sliding rear seat, allowing either kneeroom or luggage space to be increased as required. One particularly smart touch is the foldable boot floor that conceals a storage compartment with a handy multifunction tray. The rear backrest can be adjusted to offer either added comfort for the three rear seats or extra luggage space. Access to the luggage compartment couldn't be easier thanks to the large, broad, wide-opening tailgate, which can be optionally specified with pushbutton automatic opening and closing or, as an even more convenient option, can be operated hands-free.

### **Latest-generation engines running on three or four cylinders.**

The new BMW 2 Series Active Tourer is being launched with a choice of three powerful, light and fuel-efficient three and four-cylinder drive units that form part of a new generation of engines. They are installed transversely and boast a compact design along with BMW TwinPower Turbo technology, while also complying with the EU6 emissions standard.

The new three-cylinder petrol unit stands out for its exceptional efficiency and great performance abilities. The BMW 218i Active Tourer (average fuel consumption: 5.2–4.9 l/100 km [54.3–57.6 mpg imp]; average CO<sub>2</sub> emissions: 120–115 g/km) with a 6-speed manual transmission is the first vehicle from the BMW core brand to be powered by the all-new three-cylinder engine. With a displacement of 1.5 litres, this engine delivers 100 kW/136 hp and excels with its spontaneous throttle response, hearty appetite for revs and high pulling power. The design of three-cylinder engines means they are not subject to first and second-order inertia forces, while the balancer shaft included on the BMW unit ensures that it operates even more smoothly over the entire rev range.

Topping the bill at market launch is the BMW 225i Active Tourer (average fuel consumption: 6.0–5.8 l/100 km [47.1–48.7 mpg imp]; average CO<sub>2</sub> emissions: 139–135 g/km) with an eight-speed Steptronic transmission as standard. Boasting 170 kW/231 hp, 0–100 km/h (62 mph) acceleration in 6.6 seconds and a top speed of 240 km/h (149 mph), the model's four-cylinder unit raises the bar for dynamic performance in its class.

Working under the bonnet of the BMW 218d Active Tourer (average fuel consumption: 4.3–4.1 l/100 km [65.6–68.9 mpg imp]; average CO<sub>2</sub> emissions: 114–109 g/km) is a four-cylinder diesel engine. A member of the same new engine family as its two petrol counterparts, it delivers 110 kW/150 hp while mustering up a peak torque of 330 Nm (243 lb-ft). This powerpack also serves to reaffirm the exceptionally dynamic performance qualities of diesel engines from BMW, propelling the BMW 218d Active Tourer with a standard 6-speed manual gearbox from standstill to 100 km/h (62 mph) in 8.9 seconds and on to a top speed of 208 km/h (129 mph). This model variant is optionally available with an eight-speed Steptronic transmission.

### **The BMW among front-wheel-drive cars.**

Like all BMW models, the BMW 2 Series Active Tourer makes its mark with great driving dynamics and the sort of driving experience the brand is renowned for. The newly developed chassis, comprising a single-joint spring strut axle at the front and a multi-link rear axle, combines agility and directional precision with excellent handling stability and suspension comfort. The sophisticated, fine-tuned front drive axle impresses with its optimum driving dynamics and wonderfully precise steering feedback. The electromechanical steering and the system's functional arrangement combine to produce a driving sensation that is devoid of interfering torque steer.

The intelligent use of high-tensile and ultra-high-tensile multi-phase steels makes a decisive contribution to safety standards in the BMW 2 Series Active Tourer, while also helping to keep the vehicle's weight down. Apart from being a crucial factor in the model's exceptional driving dynamics, this lightweight engineering is one of the BMW EfficientDynamics technology elements that also include the Auto Start Stop function, Brake Energy Regeneration, Optimum Gearshift Indicator, on-demand operation of ancillary units and Air Curtains.

### **Five model variants designed to meet individual customer requirements.**

In addition to the standard model, BMW also offers the BMW 2 Series Active Tourer in four other variants with interior, exterior and individual specifications tailored even more closely to customer requirements. Standard equipment for the BMW 2 Series Active Tourer already comprises the Radio Professional including a hands-free telephone facility with Bluetooth interface, the BMW iDrive control system with controller on the centre console and 6.5-inch Control Display, a rain sensor and automatic headlight activation, a sports leather steering wheel, the Intelligent Emergency Call system and Collision Warning with City Braking function. The Advantage, Sport Line and Luxury Line variants also feature two-zone automatic climate control, Park Distance

Control at the rear, front foglamps, cruise control with braking function and a multifunction steering wheel.

The Sport Line model additionally highlights the dynamic character of the BMW 2 Series Active Tourer with special alloy wheels and sports seats, among other features. The high-gloss black kidney grille bars, model-specific air intakes and the accent strip on the rear apron underline the vehicle's presence. And in keeping with the look, the exhaust tailpipe comes in an electroplated black chrome finish. The Luxury Line model majors on elegance and exclusivity, as accentuated by subtle chrome applications for the exterior and by the exquisite leather trim including heated seats for the driver and front passenger on the inside.

The BMW 2 Series Active Tourer will also be available with M Sport specifications from the end of 2014. With its M aerodynamics package, High-gloss Shadow Line trim, M Sport suspension, 17 or 18-inch M light-alloy wheels, M leather steering wheel and sports seats with bespoke upholstery, the M Sport model of the BMW 2 Series Active Tourer displays unbeatable road presence. The launch of the M Sport model will coincide with the addition to the range of variants equipped with the intelligent all-wheel-drive system xDrive.

### **High degree of connectivity for enhanced safety and comfort.**

Standards of safety and comfort aboard the BMW 2 Series Active Tourer are boosted by the assistance systems and various infotainment features that are collectively known as BMW ConnectedDrive. Take, for instance, the Traffic Jam Assistant, which works using a mono camera. It makes motorway driving less stressful under monotonous conditions: in dense traffic at speeds of up to 60 km/h (37 mph) it lets the car "go with the flow", enabling the driver to progress through the congestion in a more relaxed state. It automatically maintains the desired distance from the vehicle ahead and autonomously controls the car's speed all the way to a standstill while providing active steering input. In this way the vehicle helps drivers to stay in lane as long as they keep at least one hand on the steering wheel.

BMW ConnectedDrive Services & Apps bring smartphone applications into the vehicle and allow innovative features like the Concierge Service or Real Time Traffic Information to be added. These can also be booked at a later date and, in many cases, for flexible periods of time. In this way, functionality can be vastly enhanced and updated at any time.

The BMW 2 Series Active Tourer is the first model in the premium compact class to be made available with a Head-Up Display, which projects all relevant driving information into the driver's field of vision in full colour. The information is shown on a screen that extends out between the steering wheel and windscreen, enabling drivers to view all key information without having to divert their attention from the road.



## 2.4 A new benchmark in efficiency for the executive class: The new four-cylinder diesel engines with BMW TwinPower Turbo technology for the BMW 5 Series.

The outstanding efficiency of the BMW 5 Series range has been a major contributory factor in earning it global bestseller status at the premium end of the executive class. And the introduction of a new generation of four-cylinder diesel engines will now see the BMW 5 Series Sedan and BMW 5 Series Touring building further on their lead in this area. The new 2.0-litre units with BMW TwinPower Turbo technology boost the output of both the new BMW 518d and the new BMW 520d by an extra 5 kW. At the same time, fuel consumption and CO<sub>2</sub> emissions in the EU test cycle fall by up to 0.4 litres per 100 kilometres / 10 grams per kilometre. For example, the new BMW 520d Sedan with optional eight-speed Steptronic transmission burns just 4.5–4.1 litres of fuel per 100 kilometres [62.8–68.9 mpg imp] (CO<sub>2</sub> emissions: 119–109 g/km; figures dependent on the tyre format).

The new entry-level diesel models, the BMW 518d Sedan (average fuel consumption: 4.7–4.2 l/100 km [60.1–67.3 mpg imp]; average CO<sub>2</sub> emissions: 124–110 g/km) and the BMW 518d Touring (average fuel consumption: 5.0–4.5 l/100 km [56.5–62.8 mpg imp]; average CO<sub>2</sub> emissions: 132–118 g/km), generate output of 110 kW/150 hp and a peak torque of 360 Newton metres (266 lb-ft). Meanwhile, the 140 kW/190 hp variant of the new four-cylinder engine generates an extra 20 Newton metres (15 lb-ft), resulting in peak torque of 400 Newton metres (295 lb-ft). It is fitted in the BMW 520d Sedan (average fuel consumption: 4.7–4.1 l/100 km [60.1–68.9 mpg imp]; average CO<sub>2</sub> emissions: 124–109 g/km) and BMW 520d Touring (average fuel consumption: 5.0–4.5 l/100 km [56.5–62.8 mpg imp]; average CO<sub>2</sub> emissions: 132–118 g/km), as well as in the BMW 520d xDrive Sedan (average fuel consumption: 5.1–4.7 l/100 km [55.4–60.1 mpg imp]; average CO<sub>2</sub> emissions: 134–124 g/km) and BMW 520d xDrive Touring (average fuel consumption: 5.4–5.1 l/100 km [52.3–55.4 mpg imp]; average CO<sub>2</sub> emissions: 143–133 g/km), both with intelligent all-wheel drive.

### **New generation of engines, new efficiency standards.**

Both units are members of the BMW Group's new engine family and offer top-level BMW TwinPower Turbo technology. They feature an aluminium crankcase with thermally joined cylinder liners (to reduce internal friction) and integrated balancer shafts, plus turbochargers with variable intake geometry and optimised efficiency, and further developed common-rail direct injection systems, which now work with maximum pressure of 2,000 bar. These

engines not only display improved power development and even greater efficiency over their predecessors, they are also around two kilograms lighter and boast further advances in acoustic comfort.

The increase in output and torque has a noticeable effect on the sporting responses of the BMW 518d, BMW 520d and BMW 520d xDrive on the road. All three model variants complete the sprint from 0 to 100 km/h (62 mph) 0.2 seconds faster than their respective predecessors.

The advances in efficiency achieved alongside this optimised power delivery are reflected in fuel consumption and emissions figures unparalleled at the premium end of the executive class. The average fuel consumption of the new BMW 518d Sedan has been reduced to 4.7–4.3 litres per 100 kilometres [60.1–65.7 mpg imp] when fitted with a six-speed manual gearbox (BMW 518d Touring: 5.0–4.7 litres [56.5–60.1 mpg imp]). CO<sub>2</sub> emissions now stand at 124–114 grams (132–122 grams) per kilometre. The figures for the new BMW 520d Sedan and new BMW 520d Touring are almost identical: 4.7–4.3 litres per 100 kilometres (60.1–65.7 mpg imp) and 124–114 grams per kilometre for the Sedan, and 4.6–5.0 litres per 100 kilometres (56.5–61.4 mpg imp) and 132–122 grams per kilometre in the case of the Touring (as per EU test cycle, depending on tyre format).

**The further development of the eight-speed Steptronic transmission has improved its efficiency, raised comfort levels and enhanced dynamics.**

Another common theme of the new diesel-engined BMW 5 Series variants is the positive influence of the eight-speed Steptronic transmissions on performance and fuel economy. Further improvements to internal efficiency and longer gear ratios open up additional efficiency potential. An rpm-linked vibration damper with engine-specific tuning allows economical driving at low revs to be combined with increased driving and acoustic comfort. In addition, the converter slip has been further reduced. The updated eight-speed Steptronic transmission also offers a predictive shift strategy, which works in conjunction with the car's navigation system.

Fitting the eight-speed Steptronic transmission also ensures the new best fuel economy and emissions figures in the executive class. The new BMW 518d Sedan has fuel consumption of 4.6–4.2 litres per 100 kilometres (61.4–67.3 mpg imp) and CO<sub>2</sub> emissions of 120–110 grams per kilometre (BMW 518d Touring: 4.9–4.5 l/100 km [57.7–62.8 mpg imp], 118–128 g/km). The new BMW 520d Sedan limits fuel consumption to an even more impressive 4.5–4.1 litres per 100 kilometres (62.8–68.9 mpg imp) and CO<sub>2</sub>

emissions to 119–109 grams per kilometre (BMW 520d Touring: 4.9–4.5 l/100 km [57.7–62.8 mpg imp], 128–118 g/km). The average fuel consumption of the new BMW 520d xDrive Sedan is 5.1–4.7 litres per 100 kilometres [55.4–60.1 mpg imp] (BMW 520d xDrive Touring: 5.4–5.1 l/100 km [52.3–55.4 mpg imp]), and CO<sub>2</sub> emissions come in at 134–124 grams per kilometre (Sedan) or 143–133 g/km (Touring; all figures as per EU test cycle, depending on tyre format).

## 2.5 BMW eDrive meets BMW xDrive: The BMW Concept X5 eDrive.



At the Mondial de l'Automobile 2014 in Paris, BMW presents a new benchmark in fuel efficiency and low emissions in the Sports Activity Vehicle (SAV) segment. The BMW Concept X5 eDrive combines the typical driving enjoyment for which the intelligent xDrive all-wheel-drive system is renowned, a flexible, adaptable interior that exudes a luxurious ambience, and a plug-in hybrid drive concept. Intelligent power sharing between an internal combustion engine and innovative BMW eDrive technology ensures typical BMW sporty performance and outstanding efficiency. Boasting a top speed and driving range in all-electric mode of up to 120 km/h (75 mph) and 30 kilometres (almost 19 mph) respectively, and average EU fuel consumption of less than 3.8 litres/100 km (over 74.3 mpg imp), the BMW Concept X5 eDrive is impressive proof of the efficiency and effectiveness of the BMW EfficientDynamics strategy.

The concept model's drive system comprises a 180 kW/245 hp four-cylinder BMW TwinPower Turbo petrol engine and a 70 kW/95 hp electric motor. The electric motor is powered by a lithium-ion battery that can be charged at any household power socket. This high-voltage battery developed for the BMW Concept X5 eDrive is mounted in a particularly crash-safe position underneath the load compartment, which means that cargo space remains virtually unaffected.

### **BMW eDrive in a Sports Activity Vehicle: intelligent hybrid technology delivers outstanding efficiency and typical driving enjoyment.**

Powertrain electrification allows BMW to unlock enormous potential for reducing fuel consumption and emissions. What's more, this is the first time BMW eDrive technology has been mated with the intelligent BMW xDrive all-wheel-drive system. As a result, the BMW Concept X5 eDrive brings a whole new level of effortless control to the SAV segment.

The formidable power reserves of its two drive units, and the optimised traction, handling stability and dynamic performance courtesy of BMW xDrive, endow this model with the all-round sporty prowess typical of the BMW X models, while its efficiency sets new standards in this class. The possibility of driving solely on electric power – with zero local emissions – particularly in city traffic adds a new, forward-looking dimension to the SAV driving experience.

At the same time, the plug-in hybrid drive concept never detracts in any way from the outstanding adaptability and luxury ambience of the five-seater SAV's interior.

In the version developed for the BMW Concept X5 eDrive, the electric motor delivers sporty performance and can provide a top speed in all-electric mode of 120 km/h (75 mph). With 250 Newton metres (184 lb-ft) of torque available from standstill, it provides instantaneous response that translates into thrillingly sporty acceleration. In the boost function, the motor also supplies additional power to supplement the internal combustion engine when extra mid-range acceleration is required. The BMW Concept X5 eDrive completes the standard 0–100 km/h (62 mph) sprint in under 7.0 seconds.

The power electronics, responsible for the power sharing between the internal combustion engine and electric motor, were developed in-house by the BMW Group and apply the same basic design concept used in the BMW i models. The power electronics form a single integrated system that drives the electric motor, via a liquid-cooled inverter, and manages the energy flow from the high-voltage battery to the onboard electrical systems and provides centralised control of the hybrid-specific drive functions.

**ECO PRO and all-electric modes: efficiency for every requirement.**

Like the current BMW production models, the BMW Concept X5 eDrive also features a Driving Experience Control switch, which is used to choose between the COMFORT, SPORT and ECO PRO modes. The ECO PRO mode offers highly intelligent hybrid functionality. The energy management system selects the most efficient drive split between the internal combustion engine and the electric motor to suit the current driving situation. Also on board is the hybrid-specific Proactive Driving Assistant which works in tandem with the navigation system to incorporate factors such as route topography, speed restrictions and traffic conditions into the powertrain strategy.

Drivers can also activate an all-electric drive mode by pressing a button to switch from AUTO eDrive mode to MAX eDrive mode. A SAVE Battery mode is also available, which maintains the battery capacity at a constant level, for example if the driver wants to have electric power in reserve to complete the urban section of a longer journey in all-electric mode.

**Flexible charging scenarios, intelligent connectivity, special design.**

In order to get maximum benefit from the superior efficiency of its electrified powertrain, the BMW Concept X5 eDrive is designed as a plug-in hybrid. Its

high-voltage battery can be charged at any household power socket or at a wallbox capable of handling higher currents.

Innovative BMW ConnectedDrive functions make it possible to plan trips in such a way as to spend as much time as possible in all-electric mode. The current electric driving range is displayed in numerical form in the instrument cluster, while a dynamic range display shows electric range taking into account factors such as traffic conditions, route topography and driving style. When the navigation system is activated, the navigation map shows not only points of interest but also the location of public charging stations.

Drivers can also monitor battery charge status and electric driving range on their smartphone, courtesy of a BMW ConnectedDrive Remote app that was purpose-developed with electric mobility in mind. This app also allows drivers to use their phone to control the charging process, or to remotely control the vehicle's heating and air conditioning systems before the trip, whenever the vehicle is connected to a charging station or other power source.

The pioneering character of the BMW Concept X5 eDrive is reflected in various special exterior and interior design touches. Deftly placed BMW i Blue highlights form an attractive contrast to the Silverflake metallic exterior paintwork. The BMW Concept X5 eDrive also sports a charging connector that lights up during charging and 21-inch alloy wheels with an exclusive, aerodynamically optimised design.

Special interior features include exclusive leather upholstery in Ivory white with light-blue double lap seams, Piano Finish Black trim with blue accent strips, blue ambient lighting and blue lighting for the eDrive button. In the load compartment, meanwhile, which is lined in blue velour, a transparent cover provides a view of the high-voltage battery that powers the electric motor.

## 2.6 Exclusivity reaches its pinnacle: The BMW 7 Series Individual Final Edition.



As a symbol and yardstick for luxurious driving pleasure combined with BMW's signature dynamic flair, the BMW 7 Series has become a worldwide success story. And now another chapter has been written that shines a more vivid spotlight than ever on the exclusivity of the German premium carmaker's luxury sedan: the BMW 7 Series Individual Final Edition. A key role here is played by a carefully composed selection of equipment features hand-picked from the BMW Individual range which meet the highest standards of design, materials and workmanship to reflect a special appreciation of style and quality. With these high-quality options brought together into a unique composition, the BMW 7 Series Individual Final Edition – which has been created specially for the French market – represents another new benchmark in exclusivity for the luxury sedan segment.

### **Perfect harmony of colours and materials.**

The sheer presence and stylish elegance of BMW's luxury sedans are accentuated particularly effectively by BMW Individual paintwork in Citrine Black metallic or Mineral White metallic. Special colour pigments help these paint finishes achieve extraordinary brilliance and a vividly iridescent luminosity, varying in hue according to the incidence of light and the angle from which the car is viewed. As well as BMW Individual paintwork, the special-edition model can also be specified as an option with any other body colour available for the BMW 7 Series.

The combination of BMW Individual fine-grain Merino full-leather trim and a BMW Individual roof liner in Alcantara contribute to the luxurious sense of well-being in the interior. Leather trim is available in Platinum and Cohiba Brown, and the roof liner in Platinum or Anthracite to suit the colour of the leather. The leather for the seats, centre console, door and B-pillar trim, armrests, door pulls and instrument panel has been selected carefully from flawless raw material and meticulously prepared. The seats and head restraints in both the front and the rear compartments come with exclusive piping in Black or Opal White, the colour contrast against the leather surfaces creating an extremely eye-catching accent. The exclusive ambience is rounded off by high-gloss interior strips in BMW Individual Piano Finish Black.

**BMW Individual: personal style meets exquisite quality.**

BMW Individual is all about the emphasis on unwavering customer focus in exploring ways to showcase the owner's personal style in the configuration of their car. The range of optional paint finishes, light-alloy wheels and interior features chosen to match each individual model turn an already extraordinary car into a one-off creation that satisfies individual palates and meets the highest quality standards.

The products from the BMW Individual range meet the exceptional standards of the BMW Group. They reflect the ultimate in what is achievable technically and in terms of quality and in this way set standards for exclusivity in a premium car. Material selection, design and manufacture take their lead from authentic style and an approach to craftsmanship which has perfection as its aim. Innovative production techniques achieve unique effects in the highly complex painting processes, for example, while carefully selected, high-grade leather and wood are specially treated to highlight their natural properties.

The BMW Individual collection includes equipment options for the exterior and interior that are tailored precisely to the various BMW model series. Specific requests from customers can also be met, extending all the way to one-off creations conjured entirely in the BMW Individual Manufactory, which also develops and completes special editions, show cars and market-specific special editions.

## 2.7 Carbon, BMW eDrive, laser lighting – tomorrow's sports car: The BMW i8.



BMW i stands for tailor-made vehicle concepts, sustainability throughout the value chain, complementary mobility services and a new understanding of premium. As such it also takes into account worldwide ecological, economic and social change. In addition to a BMW i3 driven entirely on electric power, the model line-up now includes another fascinating vehicle unique in its segment: the BMW i8 plug-in hybrid sports car.

An array of pioneering technological achievements come together to give the BMW i8 its character as a sports car of the future. The groundbreaking design of the i8 is based on the LifeDrive vehicle architecture developed for BMW i, which combines a passenger cell made from carbon-fibre-reinforced plastic (CFRP) and an aluminium chassis for the drive system, high-voltage battery, chassis, and crash and structural functions. The drive system of the BMW Group's first plug-in hybrid model marries BMW TwinPower Turbo technology with BMW eDrive technology. They are complemented by mobility services from BMW ConnectedDrive developed specifically for BMW i as well as innovative services from 360° ELECTRIC.

The BMW i8 is also the world's first series-produced car that can be ordered with optional laser headlights. BMW laser lighting allows a main beam range of 600 metres – that's 100 per cent greater than that offered by the already ultra-high-strength full-LED headlights fitted as standard on the BMW i8.

### **Groundbreaking design, all-embracing sustainability concept.**

The pioneering, emotionally-rich body design of the 2+2-seater is geared squarely to optimising its aerodynamic properties and blends the fresh interpretation of familiar BMW design cues and a design language specific to BMW i. The BMW i8 has dynamic sports car proportions, scissor doors that swing open to the front and a Cd of 0.26. Its kerb weight is just 1,485 kilograms and its centre of gravity is less than 460 millimetres from the ground.

As well as the aerodynamic qualities of the BMW i8, the use of CFRP and other lightweight construction measures, the deployment of BMW eDrive technology and the use of recycled materials are also visible ingredients of the car's avant-garde design. The all-embracing sustainability concept of the i8, which covers the entire value chain, is thereby reflected in the appearance of

the plug-in hybrid sports car. Carbon-fibre production and vehicle assembly draw 100 per cent from renewably generated electricity. The use of materials treated in an environmentally friendly manner, such as leather tanned using olive leaf extract for the instrument panel, ensures that all components have a thoroughly premium look and feel.

### **Plug-in hybrid drive system reflects a new development stage of Efficient Dynamics.**

The drive system fitted in the BMW i8 represents a new stage in the Efficient Dynamics development strategy. A new three-cylinder petrol engine driving the rear wheels and an electric motor which sends its power to the front wheels generate total system output of 266 kW/362 hp. The BMW i8 combines the performance characteristics of a powerful sports car with fuel economy and emissions figures more familiar from a small car. The sprint from 0 to 100 km/h (62 mph) takes just 4.4 seconds. The combined fuel consumption of the BMW i8, as calculated in the EU test cycle for plug-in hybrid vehicles, stands at 2.1 litres per 100 kilometres (134.5 mpg imp), plus 11.9 kWh of electric energy. CO<sub>2</sub> emissions are 49 grams per kilometre.

The plug-in hybrid system developed and manufactured by the BMW Group enables a range of up to 37 kilometres (23 miles) in the EU test cycle and a top speed of 120 km/h (75 mph) on electric power alone, coupled with a “glued-to-the-road” all-wheel driving experience headlined by powerful acceleration and a dynamically-biased distribution of power through keenly taken corners. The high-voltage battery for the electric motor can be charged from a conventional domestic power socket, public charging stations or a BMW i Wallbox. And the charging process can be controlled and monitored remotely by smartphone using the BMW i Remote app. The BMW i8’s intelligent energy management also allows the car to be charged while on the move. On cross-country journeys, for example, the BMW i8 can run on electric power through towns, cities and built-up areas, and the battery can then be recharged from the combustion engine when the driver returns to rural roads.

The Driving Experience Control switch and eDrive button allow drivers to choose from five driving modes. As well as pure-electric driving, they can select COMFORT mode for an optimum balance between dynamics and efficiency and SPORT mode with ultra-intense boost function provided by the electric motor. Plus, ECO PRO mode can be used in both all-electric mode and hybrid mode in the BMW i8.

The sophisticated chassis technology of the BMW i8 comprises a double-wishbone front axle, a five-link rear axle and Electric Power Steering. Also included as standard are Dynamic Damper Control and 20-inch light-alloy wheels. As well as the high-strength passenger cell made from CFRP, the CFRP/aluminium doors, the instrument panel's magnesium supporting structure, the aluminium chassis with precisely defined load paths and deformation zones, and the partition between the passenger compartment and boot – made from hardened thin glass – are all examples of intelligent lightweight design at work. This principle has been implemented extremely rigorously in the BMW i8 and enables an ideal combination of safety and weight optimisation. The crash-optimised vehicle structure joins forces with a comprehensive range of safety equipment that can be further enhanced by an optional pedestrian alert sound.

### **The BMW i8 – the world's first series-produced car with laser headlights.**

The market launch of the BMW i8 also heralds the dawn of a new era in the field of lighting technology. The plug-in hybrid sports car comes as standard with full-LED headlights, but it is also the world's first series-produced car that can also be kitted out with laser headlights as an option. The all-new BMW laser lighting technology delivers outstanding performance, doubling the range of the standard main beam lights to 600 metres. It also teams up with the camera-based, digital High-Beam Assistant to reliably prevent dazzling of both oncoming traffic and vehicles travelling ahead. In this way, BMW laser lighting ensures an exceptional degree of relaxed, comfortable driving and increased safety on the road.

The intensity of the BMW i8's laser lights is ten times that of conventional headlights. Converting the beams emitted by tiny laser diodes generates a pure-white, extremely bright light. The laser diodes and reflectors take up far less space than conventional light sources and also stand out with their lower weight. They are also roughly 30 per cent more energy efficient than the already very economical LED headlights fitted as standard on the i8.

### **Extensive standard equipment, a wide-ranging BMW ConnectedDrive line-up and model-specific solutions from 360° ELECTRIC.**

The extensive suite of standard equipment on board the BMW i8 also plays a role in shaping its trailblazing premium characteristics and revolutionary interpretation of BMW's hallmark driving pleasure. It includes the Navigation system Professional with proactive drive system management for all-electric driving and the fully digital instrument display for content and presentation

formats that adapt according to the selected driving mode with 3D graphics. Also fitted as standard are the BMW iDrive control system with freestanding 8.8-inch Control Display and Touch Controller, a sports leather steering wheel with multifunction buttons, two-zone automatic climate control, electrically adjustable sports leather seats and a leather-surfaced instrument panel. Moreover, customers can choose from four exterior paint shades and four interior equipment variants to lend the exterior and interior their own individual touch.

The optional BMW ConnectedDrive line-up for the BMW i8 includes, among other features, the BMW Head-Up Display and Driving Assistant package with High-Beam Assistant, a rear view camera, Surround View, Speed Limit Info and No Passing Info display, Collision Warning, and Pedestrian Warning with City Braking function. BMW Online Entertainment and internet access are also on the options list. The Intelligent Emergency Call function, BMW ConnectedDrive Services (with Concierge Service and Real Time Traffic Information) and mobility services specifically developed for BMW i – such as the BMW i Remote app, BMW TeleServices including Battery Guard and the intermodal route planning function – are all part of standard specification for the BMW i8.

Among the 360° ELECTRIC services developed specially for BMW i in addition to the BMW i Wallbox – which allows extremely user-friendly home charging – are a range of innovative mobility services. These include the ChargeNow card, which allows cashless payment when using public charging stations.



## 2.8 Always up to date thanks to intelligent connectivity: New functions and products from BMW ConnectedDrive.

With its latest innovative applications, BMW is widening its lead as the world's top provider of on-line-based in-car services. The Navigation system Professional has long since established itself as the benchmark in terms of maximum navigation convenience and information en route to a destination. Now, in the latest generation of this system, BMW ConnectedDrive also provides regular automatic map updating. Updating takes place "over the air" (wirelessly) using the vehicle's built-in SIM card, and incurs no licence fees or data transfer charges for the user. The first model to offer the new-generation Navigation system Professional and over-the-air updating is the BMW 2 Series Convertible, which is making its world debut at the 2014 Paris Motor Show.

The built-in SIM card in BMW models will now support the 4G wireless standard (Long Term Evolution – LTE), which provides significantly improved network coverage and data transfer speeds. In this way BMW ConnectedDrive intelligent connectivity functions will offer even faster and more reliable performance.

Also being presented at the 2014 Paris Motor Show is an innovative feature for the benefit of BMW i8 drivers: a specially developed version of the BMW i Remote app from BMW ConnectedDrive provides a data link between the plug-in hybrid sports car and the Samsung GALAXY Gear smart watch. In future, this will also allow remote functions such as accessing vehicle status information or, for example, sending address data to the vehicle to be carried out using the smart watch.

### **Convenient wireless updating of navigation maps.**

BMW navigation systems of today work fast, conveniently and reliably. The crucial inputs are vehicle status data, GPS signals and up-to-date map data. Up-to-date navigation maps ensure that the system is always aware of new roads and changed traffic flows. This information is important for route planning purposes, while other up-to-date data, such as changes to speed limit boundaries, can be used by the onboard electronic network for proactive energy management.

With the latest generation of the Navigation system Professional, BMW ConnectedDrive is adopting a new approach which ensures that the

system always has access to the latest map material. With this system the navigation maps update themselves automatically, making obsolete databases a thing of the past.

The new map data is relayed to the vehicle wirelessly via the built-in SIM card, so there is no need for manual installation from external data storage devices.

### **Regular updating with no registration or additional costs.**

The system updates itself regularly several times a year – whenever a new map version becomes available. The update is installed conveniently and completely automatically, with progress shown in the Control Display. Regular updating means there is never any delay before users are able to use the latest map software, ensuring an uninterrupted perfect navigation experience. What's more, all navigation features remain fully functional during the updating process. No registration is required for automatic updating, and users do not have to log on to a portal.

This innovative solution, which entails no licence fees or data transfer charges for customers, forms part of the Navigation system Professional. As well as automatic map updating, the high-speed, high-capacity wireless technology, which transfers data through the built-in SIM card, can also supply real-time traffic data for optimised RTTI-based navigation.

### **Green light for high-speed internet: built-in SIM card now supports LTE.**

To further optimise data transfer for these and other BMW ConnectedDrive functions, the SIM cards being fitted in current BMW models now support LTE. This new high-speed internet technology provides much faster data transfer rates – up to five times faster than with the previous 3G wireless technology.

Faster data transfer speeds result in much shorter download times for many BMW ConnectedDrive services. For example, music tracks or audio book files from the BMW ConnectedDrive online entertainment range, or map updates for the Navigation system Professional, can be supplied even faster than with the previous wireless technology.

With the introduction of LTE technology, BMW ConnectedDrive customers also benefit from optimised network coverage. Both in Europe and in the USA, mobile network operators are now giving priority to LTE when expanding their networks. This will help to ensure reliable performance of internet-based

services from BMW ConnectedDrive even in rural areas and when driving at higher speeds.

**New from BMW ConnectedDrive: connectivity between BMW i8 and smart watch.**

BMW ConnectedDrive services specially developed for electric mobility include the BMW i Remote app, which provides a data link between the vehicle and the customer's smartphone. Using a special interface, the vehicle can now also communicate with a smart watch. This connectivity solution for transferring data between the BMW i8 plug-in hybrid sports car and the Samsung GALAXY Gear smart watch will be presented at this year's Paris Motor Show. The new feature will allow drivers of a BMW i8 to read all the essential information about the status of their vehicle from their wristwatch at any time.

On the watch, the BMW i Remote app's high-resolution start menu shows an image of the BMW i8 along with the time of day, the battery charge status as a percentage and the vehicle's remaining electric range in kilometres or miles. The user can also check details such as whether all doors and windows are closed or if the headlights are switched off. Pending service appointments are also shown. It is also possible to use the smart watch to remotely activate the vehicle's heating or air conditioning in advance of a journey.

The BMW i Remote app also allows the smart watch wearer to use the navigation system's intermodal route planning feature. Via the BMW i Remote app, instructions for navigating from the Park & Ride car park to the final destination and back are relayed from the navigation system to the smart watch. Conversely, it is also possible to transfer address data from the watch to the vehicle for loading into the navigation system.