



By appointment
to HM The Queen
motor car manufacturers
Bentley Motors Limited
Crewe Cheshire



By appointment
to HRH The Prince of Wales
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BENTLEY

Press Information

BENTLEY REIMAGINES THE FUTURE OF GRAND TOURING WITH THE EXTRAORDINARY BENTLEY EXP 100 GT

- **Bentley EXP 100 GT looks to the future of luxury mobility as most sought-after luxury marque celebrates its Centenary**
- **A physical embodiment of the future Bentley brand, it sets the benchmark for sustainable luxury mobility that is autonomous and electric**
- **An intelligent car which captures extraordinary human journeys thanks to emotionally intelligent AI and allows them to be relived**
- **Zero emissions powertrain with up to predicted 700km range, exquisite materials and protection of British craftsmanship put sustainable innovation foremost**
- **Fully-autonomous car that can be driven when one wishes to enjoy the thrill of driving**
- **Future of luxury craftsmanship with seamless fusion of materials and intelligent curation of technology, and introducing light as a new luxury material**
- **Sustainable future luxury created through use of 5,000 year old Copper Infused Riverwood; Compass exterior paint made from recycled rice husks; 100% organic leather-like textile from wine making; Cumbrian crystal interfaces; British Farmed Wool carpets and embroidered cotton interior surfaces all create sustainable future luxury**
- **On-board Bentley Personal Assistant maximises comfort by monitoring occupants' well-being**
- **Adaptable Biometric Seating and three different configurations**
- **A perfect blend of performance, technology and craftsmanship**
- **To watch the film on YouTube, visit: <https://youtu.be/k6XY-w0v1Lk>**



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(Crewe, 10 July 2019) Bentley Motors celebrates its 100th birthday today by unveiling its vision of the future of luxury mobility at The Home of Bentley in Crewe. The Bentley EXP 100 GT is a physical embodiment of the future Bentley brand, reimagining Grand Touring for the future.

Beyond mere mobility, the Bentley EXP 100 GT concept car will enhance the owner's Grand Touring experience, whether driving or being driven autonomously.

Bentley EXP 100 GT is borne from pure Bentley DNA and inspired by the company's deep understanding of the desires of its intelligent, forward-thinking customers. Beautifully styled, it embraces Artificial Intelligence (AI) as a means to reassert the car as a place for creating, experiencing and capturing extraordinary human experiences and emotions.

Designed from the inside out and taking advantage of an all-electric platform, Bentley EXP 100 GT reimagines the Grand Tourer for the world of 2035. This is a world of shared luxury experiences where passenger and driver enjoy equal status in their enjoyment of their extraordinary journeys. The cars' presence and impressive exterior proportions are reminiscent of many of Bentley's historic Grand Tourers but take these luxury hallmarks into the future. The result is a future vision commensurate with Bentley's status as the world's most sought after luxury brand.

The meticulously sculpted cabin is luxuriously tactile, helping to create a harmonious environment designed around the well-being of its passengers. This is seamlessly integrated with the unique AI, known as the Bentley Personal Assistant, which helps the car's occupants enhance and curate their Grand Tour experiences.



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Sustainable innovation is also at the heart of the Bentley EXP 100 GT experience. The car is engineered to create a greater awareness of the world outside, with an intelligently-curated collection of materials including 5,000 year old Copper Infused Riverwood; *Compass* exterior paint made from recycled rice husks; 100% organic leather-like textile from wine making; British Farmed Wool carpets and embroidered cotton interior surfaces which all create sustainable future luxury, adding to the enhanced reality of the grand touring car of the future.

Adrian Hallmark, Bentley Chairman and CEO, said: *"Today, on our Centenary, we demonstrate our vision of the future of our Marque, with the Bentley EXP 100 GT - a modern and definitive Grand Tourer designed to demonstrate that the future of luxury mobility is as inspirational and aspirational as the last 100 years."*

Bentley has, and will continue to enhance and enrich every single journey and the lives of every single person who travels in, or has the honour to be a part of creating our extraordinary products."

Stefan Sielaff, Director of Design said: *"The Bentley EXP 100 GT represents the kind of cars we want to make in the future. Like those iconic Bentleys of the past, this car connects with its passengers' emotions and helps them experience and safeguard the memories of the really extraordinary journeys they take."*

An inspiring blend of performance, technology and craftsmanship, the Bentley EXP 100 GT is a beautiful, immersive and emotionally intelligent experience.

Luxury Beyond Mobility

The Bentley EXP 100 GT redefines the car as a space for extraordinary and emotional human experiences, ones that enrich and inspire. Bentley's vision



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imagines the journeys of the future, drawing on 100 years of expertise in luxury design and craftsmanship that are currently being celebrated around the world in the company's Centenary year.

The Bentley EXP 100 GT's sleek and muscular exterior explores the brand's future design direction. It incorporates the company's unmistakable DNA, remaining instantly recognisable as a Bentley. The famous R-Type Continental haunch at the rear, the round headlights that overlap the grille in a nod to the famous Bentley Blower and a long graceful body hint at famous models of yesteryear.

However, this Bentley journeys into the future. Made from lightweight aluminium and carbon fibre, the Bentley EXP 100 GT measures 5.8 metres long and almost 2.4 metres wide, and makes a statement of true luxury. This is further enhanced by decorative features crafted from copper and aluminium, both natural sustainable materials, which evoke founder W.O Bentley's choice of materials to create the alloy for his famous BR1 Aero engine piston that played a major role in securing the air theatre in World War 1.



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The driver and passenger doors are two metres wide and pivot outwards and upwards for effortless access. Fully open, they rise to almost three metres, adding to the sense of occasion on arrival.

The new exterior paint colour *Compass* is created using a special Colourstream pigment that reflects a beautiful spectrum of autumnal colours and is both sustainable and environmentally friendly. The pigment is synthetically made using rice husk ash, a harmful bi-product of the rice industry, remanufactured for the Bentley EXP 100 GT to reduce the amount that ends up in landfill waste.



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The Bentley EXP 100 GT's expressive exterior lighting is both dynamic and dramatic. A focal point is the smart, illuminated matrix grille and Flying B mascot which come to life as one approaches the car, light playing across the grille, through the mascot and along the bonnet central spine of the car and into the cabin itself. The car literally comes alive.

At the rear, a 'horseshoe' section of the boot is a 3D OLED screen on which lighting effects can blend in with the rear lamps.

Inside a luxurious cockpit, Bentley craftspeople have taken handcraftsmanship of materials to an as yet unseen level, setting the new benchmark for luxury interiors.

The finest natural materials such as wood, leather and glass are seamlessly blended with light, creating a unique interior environment that boosts the physical and mental well-being of passengers.



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Exquisite materials graduate and flow throughout the handcrafted cabin of the Bentley EXP 100 GT. For example, the embroidery pattern of the sustainable textiles and leather complement the pattern of the grain in the naturally-felled wood veneer. These traditional, tactile materials reconnect passengers with the authentic, natural world around them.

Imperceptible joins between different materials such as wood, leather and wool allow an overall design motif to flow across all these surfaces. The materials are brought together by design, a seamless blend of patterns and forms, textures and colours. Glass flows into metal, into wood and into leather.



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Light is core to life and in the Bentley EXP 100 GT it is harvested from the surrounding environment via an innovative glass roof embedded with prisms that collect light and transfer it into the cabin using fibre optics. The use of harvested natural light and synthesised light offers a new approach to enhancing wellness on board.

The Bentley Personal Assistant is a centre piece of the main console and visualised using illuminated crystal from Cumbria, England. Ambient lighting can also be modified to recreate a specific mood or exterior environment, while additional effects are delivered through projection mapping onto trim panels, such as door pads.

Intelligent, Adaptable Biometric Seating can be configured in three different ways, depending on whether the owner is driving or using autonomous mode. Biometric sensors monitor temperature, passenger position and environmental conditions to deliver the ultimate in comfort, whatever the conditions.

Bentley Personal Assistant pre-empt's passenger needs and can even maximise comfort based on its knowledge of its owner. For example, reactive seat surfaces respond to passenger position during driving, automatically offering more support when the need is sensed.

In addition, biometrics are embedded throughout the Bentley EXP 100 GT to track eye and head movements, even blood pressure. It represents the future of customised, in-car comfort far beyond any seating experienced in a modern-day car.



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An intelligent future for Grand Touring

Enhancing the occupants experience of their extraordinary journey in the Bentley EXP 100 GT is the Bentley Personal Assistant AI. This advanced, intelligent system defines the Grand Tourer of the future as it delivers a highly personalised experience to the passenger based on five distinct modes with individual characteristics: Enhance, Cocoon, Capture, Re-Live and Customise. Interaction with the AI is made through hand gestures made to the front or rear Cumbria Crystal interfaces that intuitively interpret the commands.

Enhance harvests inputs from the outside environment, such as light, sound, smell and air quality, offering a holistic grand tour, and a feeling of open top motoring from under the glass canopy.

Cocoon creates a protective space, including air purification and glass areas that turn opaque for privacy; while *Capture* records experiences from both inside and outside the car which become part of your car's unique history.

Re-Live replays highlights of your Grand Tour, while *Customise* combines elements of all the different modes and are individually selected by the driver or passenger.

Sustainable Innovation – The Future of Bentley

Bentley believes its approach to innovation is created through a balance: Preservation of the world and the self should be at the forefront, while purposeful and intuitive innovation remains essentially linked to sustainability.



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The Bentley EXP 100 GT features air and sound curation that promotes self-care and well-being in the car. These create a physiological, health-enhancing environment for passengers, promoting increased mindfulness in the cabin.

For example, Capture mode on Bentley Personal Assistant brings the external environment into the cabin, creating an open-top driving experience without taking the roof down. It also cocoons passengers – blocking and filtering air pollution in cities.

The Bentley EXP 100 GT has passive and active air intakes in the front grille, cooling the drivetrain and batteries that drive the car's powerful electric motors. Unwanted air is channelled out of the car at the rear to aid aerodynamics.

The Air Purification System is located in the boot space to purify air before it is supplied into the cabin, with deployable air vents on the rear passenger shelf and static vents on the front passenger panel. The air vents undulate giving the appearance that the car is breathing and alive. Meanwhile, CO2 levels in the cabin are constantly monitored to maintain air quality.

As well as capturing exterior scents, Bentley has developed a unique scent for the Bentley EXP 100 GT. Created in collaboration with ethically-aware fragrance house 12.29, it builds on the rich heritage of Bentley, incorporating sandalwood and fresh moss.

The Bentley EXP 100 GT also puts passengers in control of how they disconnect and reflect, enhancing mindfulness by allowing occupants to live in the present. As screen-time become ever more present, these disconnecting, relaxing experiences have gained luxury status.



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Rotary switches fashioned from copper and aluminium add tactility in a digital world.

The in-car displays enhance the grand tour experience using augmented reality, or can provide a relaxed cocoon on demand. All displays use a simple, intuitive interface that includes transparent OLED information displays in the doors, automatically darkening glass, and a front entertainment screen for displaying films, live video and other media when the Bentley EXP 100 GT is in autonomous driving mode.

Making a material difference to Sustainable Innovation

Bentley has collaborated with carefully selected industry experts to provide exceptional materials in the Bentley EXP 100 GT. All use sustainable and innovative techniques for customers who are environmentally-conscious and ethical in their brand choice.



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Among them is the remarkable Copper Infused Riverwood that features in the cabin. This is a sustainable wood from naturally fallen trees that has been preserved for 5,000 years in peat bogs, lakes and rivers.

Hand and Lock is the London-based embroidery company that employs exquisite, traditional techniques that date back to 1767 and are used on Royal and Military Dress uniforms. Their techniques are primarily used on the door panels of the Bentley EXP 100 GT, creating a seamless integration between different materials and a beautiful contemporary embroidery pattern.

Bridge of Weir Leather of Scotland works with specifically selected, locally sourced hides for Bentley to create a soft, natural leather enhanced by its



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environment. With the ultimate Super Natural finish, this will be Bentley's benchmark for future luxury alternative materials.

Finally, in an exclusive collaboration, Bentley has used the by-products of wine-making to create the future of luxury eco-materials, creating a leather-like seating material which is 100 per cent bio-based.

Performance & Technology - Reimagining The Grand Tour

The Bentley EXP 100 GT is an extraordinary step on the road towards a carbon-free future.

Sustainable and intelligent, a battery electric powertrain, with intelligent power and charge management, will ensure that the Bentley EXP 100 GT is as powerful and exciting as its conventional predecessors.

Next Generation Traction Drive will enable maximum control via torque vectoring, applying 50 per cent increased power and 35 per cent less mass for more effective cornering. The battery system will power four motors that offer a 0-100 km (0-60 mph) time of less than 2.5 seconds, a top speed of 300 kph (186 mph) and maximum torque of 1,500 Nm.

Future battery technology will offer five times the conventional energy density, and charging the Bentley EXP 100 GT to 80 per cent of capacity will take only 15 minutes. Charging is automatically taken care of by the Bentley Personal Assistant. Weight will remain at a remarkably trim 1,900 kg and a range of 700 km (435 miles) will be possible.

To celebrate the drive, the Bentley EXP 100 GT is optionally autonomous. It manages the driving experience based on the external environment and



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passenger well-being. This might include maximising an exhilarating self-drive across mountain roads, or disengaging from a stressful, inner-city commute.

Bentley Personal Assistant can curate personal driving experiences, offering points of information along a route, journey suggestions, or available luxury experiences nearby.

Key to this are a range of features based on passenger well-being and comfort. These include Active Aero Wheels that dynamically adjust to deliver efficiency or maximum performance feel; Intelligent Pirelli Tyres that adapt their contact patches based on weather conditions or driver demand; Adaptable Biometric Seating that adapts to the driver mode, or swivels rearward with the steering wheel retracted away in autonomous mode.

The use of artificial intelligence with the Bentley Personal Assistant, combined with expert engineering in the Bentley EXP 100 GT, has redefined the future of Grand Touring. AI manifests itself in the cabin as a 'feeling' light and is controlled through gestures and touch.

An example of gesture control can be demonstrated by a child looking out of the Bentley EXP 100 GT cabin at clouds, then pulling down content inside the vehicle through a gesture that explains what they are seeing to them. AI thus creates a joint, meaningful learning experience that can also be shared.

AI is controlled via an illuminated Cumbria Crystal centre piece and control centre, set in three layers. Cumbria Crystal, the last producer of completely hand-blown and hand-cut crystal in England.

A cartridge system in the centre of the Bentley EXP 100 GT delivers luxury items and services. The main features are a Purified Water Decanter and



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Crystal Glasses; a Cartridge Delivery System that can deliver items from an under the bonnet storage area into the cabin itself; and World Class Services, that could receive items requested by the car's AI and delivered from luxury service partners.

Centenary Celebrations

July 10, 2019 marks Bentley's 100th year - an extraordinary milestone achieved by only a few companies. A year-long series of special activities have been taking place, with celebrations at events around the world.

They showcase Bentley's motoring evolution over the last 100 years, highlighting its global success today and the exciting future of innovation ahead.

- ENDS -



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Media around the world can watch the global debut of Bentley EXP 100 GT by participating in a live stream online which begins at 16:00 British Summer Time, 10 July, 2019 on www.bentleymedia.com and on Twitter @BentleyComms. They can also rewatch the launch on www.bentleymedia.com after the event.

Bentley Motors is the most sought after luxury car brand in the world. The company's headquarters in Crewe is home to all of its operations including design, R&D, engineering and production of the company's four model lines, Continental, Flying Spur, Bentayga and Mulsanne. The combination of fine craftsmanship, using skills that have been handed down through generations, alongside engineering expertise and cutting-edge technology is unique to UK luxury car brands such as Bentley. It is also an example of high-value British manufacturing at its best. Bentley employs around 4,000 people at Crewe.