

# LANDYNEWS .ONLINE

THE FREE ON LINE MAGAZINE FOR LAND ROVER NEWS



THE HOME FOR LAND ROVER NEWS  
LANDYNEWS.ONLINE

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## EDITORIAL – sad news

Hi and welcome to another issue of Landynews.online

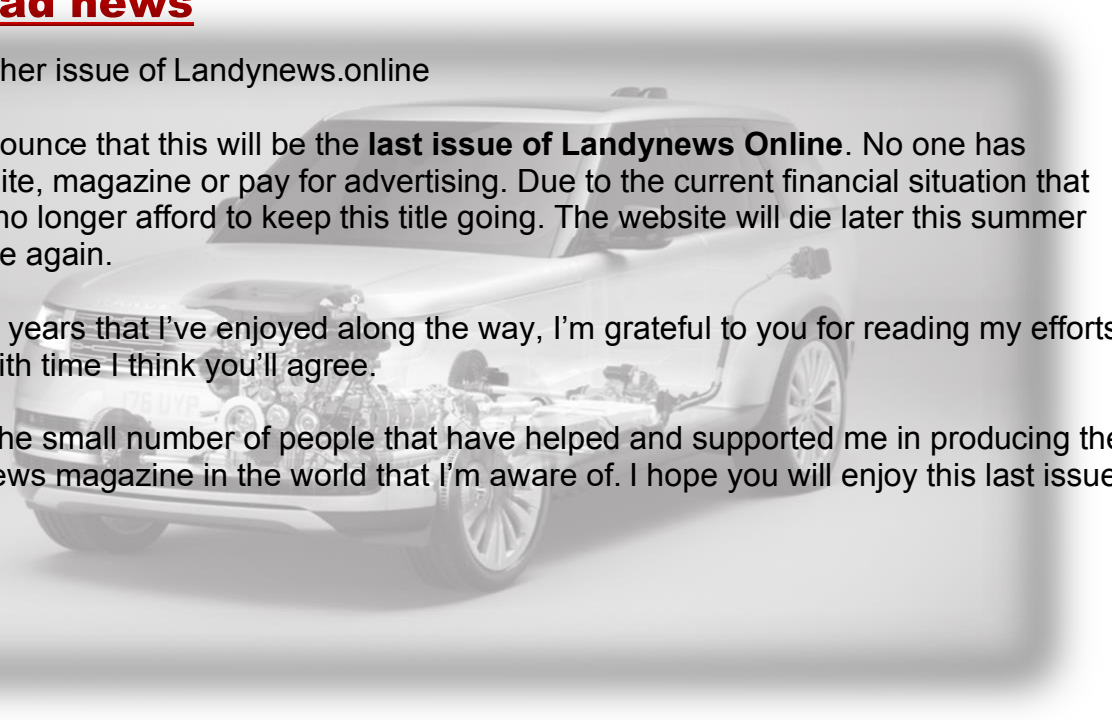
I'm sorry to have to announce that this will be the **last issue of Landynews Online**. No one has offered to sponsor the site, magazine or pay for advertising. Due to the current financial situation that we are all facing, I can no longer afford to keep this title going. The website will die later this summer when all the fees fall due again.

It's been a fun filled two years that I've enjoyed along the way, I'm grateful to you for reading my efforts which have improved with time I think you'll agree.

I must of course thank the small number of people that have helped and supported me in producing the only free Land Rover news magazine in the world that I'm aware of. I hope you will enjoy this last issue.

Thank you all.

Regards  
Dodge Spencer  
Founder and Editor



# FALKEN WILDPEAK TIRES PASS THE DAKAR TEST

## 7,500km of running, zero punctures for WILDPEAK M/Ts

Falken's WILDPEAK M/T tires put on a stellar performance during the 2022 Classic Dakar Rally in Saudi Arabia this January, making the finish and completing 7,500 kilometres of running on challenging terrain with zero punctures at the hands of a Portuguese team racing under the structure of Alves Bandeira/TH-Trucks.



WILDPEAK M/Ts (245/75 R16) were fitted to the team's ex-factory vehicle, which was entered in the 97 Intermediate Average category. The 2022 edition of the Dakar Classic was the second running of the event, which is held for pre-2000 rally cars and trucks and organised as part of the historic Dakar rally. The level of competition for Alves Bandeira/TH-Trucks and its Falken tires was incredibly high for this gruelling two-week rally, with a bumper entry list of well over 100 cars, more than four times the number entered in the inaugural Dakar Classic in 2021.

During the event, Alves Bandeira/TH-Trucks' vehicle had a near-faultless run to 80th overall of the 121 classified finishers, battling across thousands of kilometres of tricky, variable terrain in scorching temperatures from Ha'il to Jeddah.

While the Classic Dakar runners compete on a slightly different route to the teams competing in the contemporary Dakar categories, it is just as tricky for both man and machine. However, the team's rebuilt and restored car survived the perilous set of stages en route to the finish.

In this case the team's WILDPEAK M/Ts, with their offset shoulder blocks for superior traction off-camber and on rugged terrain and aggressive upper sidewall design to protect against sharp debris, proved to be both durable and quick.

***"The main difference between Classic Dakar and the main event is that we run on less sand and on more off-piste and rocky tracks," explained the project leader and driver Joao Costa. "Even though the average speeds are lower, the tyros are still pushed to their limits."***

Making it to the finish with no punctures proved to be a real accomplishment, as other teams entered in the event struggled with their tyre allocation throughout. ***"One team we know ran out of stock of their tires before the rest day,"*** Costa explained. ***"Yet we completed all the stages without any penalties for exceeding stage time limits. We fulfilled our ambitions in this tough race. We had fun, didn't get hurt and brought finisher medals home."***

***"I was sceptical about the Falken WILDPEAKs before the event but after Stage 2 I knew it was a good choice. It was a real icing on the cake to complete 7,200km of running, 2,612 kilometres of which was on special stages, without a tyre failure."***



Looking ahead, the team plans to do the 24 hours of Fronteira, the hardest endurance off-road race in Europe, where it hopes to make the finish for the first time.

# Range Rover 2022



**RANGE ROVER SV**

UNPRECEDENTED CHOICE

With exclusive design details and material choices throughout, the New Range Rover SV from Special Vehicle Operations offers greater scope for personalisation than ever before. It's estimated New Range Rover SV can be configured in more than 1.6 million different ways.

**2 WHEELBASES**

**3 SEATING OPTIONS**

**LONG WHEELBASE**  
3197MM

- 5 FIVE-SEAT LWB
- 4 FOUR-SEAT LWB  
SV SIGNATURE SUITE

**STANDARD WHEELBASE**  
2997MM

- 5 FIVE-SEAT SWB



ABOVE & BEYOND



**13**

WHEEL OPTIONS INCLUDING EXCLUSIVE THREE-FINISH DIRECTIONAL SV DESIGN

**14**

OPTIONAL SV PREMIUM PALETTE PAINT COLOURS

**3 DESIGN THEMES**

SV accents and specially curated SV Serenity or SV Intrepid design themes can be applied to the exterior or interior, in seven different combinations:

	SV INTERIOR	SV SERENITY INTERIOR	SV INTREPID INTERIOR
SV EXTERIOR	✓	✓	✓
SV SERENITY EXTERIOR	✓	✓	
SV INTREPID EXTERIOR	✓		✓

**3 POWERTRAINS**



**530PS**  
New 4.4-litre V8 Twin Turbo petrol with 750Nm torque



**510PS PHEV**  
Plug-in hybrid 3.0-litre six-cylinder petrol (SWB only)



**350PS MHEV**  
Efficient 3.0-litre straight-six Ingenium diesel

The full breadth of the luxurious New Range Rover family is now available to order for the first time. Land Rover has confirmed prices for the advanced Extended-Range plug-in hybrid models and the exclusive Range Rover SV, while revealing performance figures for the plug-in electric powertrain are even stronger than originally estimated.

The P510e and P440e Extended-Range Plug-in Hybrid Electric Vehicles (PHEVs) offer exceptional efficiency, producing CO<sub>2</sub> emissions as low as 18g/km and providing up to 70 miles (113km) of EV range – exceeding initial expectations and offering customers even greater breadth of capability.

At its reveal last year, Land Rover suggested an EV range of 62 miles (100km) and CO<sub>2</sub> emissions below 30g/km would be attainable.

Since its launch at the Royal Opera House, in London, in front of leaders from the world of art, culture, business and sport, Land Rover has experienced unprecedented demand for New Range Rover highlighting the global appeal of the original luxury SUV. More than 2 million individual configurations have already been carried out on the Land Rover website highlighting the global appeal of the original luxury SUV.

**Nick Collins, Executive Director Vehicle Programmes, Jaguar Land Rover, said:** *“New Range Rover is the most desirable, elegant and capable luxury SUV in the world. Our efficient new Extended-Range Plug-in Hybrid Electric Vehicle powertrains elevate the driving experience with a fine balance of performance, refinement and efficiency, enabling owners to complete whisper quiet zero emissions journeys of up to 70 miles.”*

The New Range Rover effortlessly combines breathtaking modernity and aesthetic grace with technological sophistication and seamless connectivity – with space for up to seven adults for the first time.

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## Extended efficiency

The capability of the Extended-Range plug-in hybrids is signified in their performance and efficiency. Certified data confirms the PHEVs will offer 70 miles (113km) of electric driving according to WLTP standards with CO<sub>2</sub> emissions as low as 18g/km, which translates into a real-world all-electric range of 54 miles (88km) – exceeding initial estimates.

This 13 per cent increase means typical Range Rover customers will be able to complete 75 per cent of their journeys using the pure-electric power alone. New Range Rover is also one of the few PHEVs to offer 50kW DC rapid charging capability and can charge up to 80 per cent in under an hour, making it one of the fastest charging plug-in hybrids.

The most powerful P510e plug-in hybrid powertrain provides elevated refinement and effortless performance. Its combination of a 38kWh lithium-ion battery, 105kW electric motor and 3.0-litre six-cylinder Ingenium engine powers the luxury SUV from 0-60mph in 5.3 seconds (0-100km/h in 5.6).

Alongside the Extended-Range Plug-in Hybrid models, which blend near-silent EV-only driving with effortless performance across the P510e and P440e powertrains, New Range Rover is also available with a choice of efficient mild-hybrid six-cylinder petrol and diesels, plus an all-new V8. Customers also benefit from the choice of four-, five- and seven-seat interiors across Standard and Long Wheelbase body designs. A pure-electric Range Rover – the first all-electric Land Rover – will join the line-up in




**RANGE ROVER**

EXTENDED RANGE PHEV


The New Range Rover provides electrified performance with two new Extended-Range plug-in hybrid electric vehicle powertrains offering exceptional efficiency and up to 113km/70 miles of EV range (certified WLTP).

The hybrid system uses advanced eHorizon navigation data to optimise energy usage across a journey, to provide a peaceful arrival at a destination on electric power, while also optimising EV usage for travel in low emission zones.

### CHARGING OPTIONS\*



**AC HOME CHARGER**  
0-100% in five hours



**DC RAPID CHARGER**  
0-80% in under an hour

**113 km/  
70 miles**  
ALL-ELECTRIC RANGE (CERTIFIED WLTP)<sup>1</sup>

**88 KM /  
54 MILES**  
Real-World driving range

**AS LOW AS  
18 G/KM**  
CO<sub>2</sub> emissions<sup>1</sup>


**75%**  
of daily journeys in electric mode<sup>2</sup>

**P440e**  
3.0-litre six-cylinder  
440PS, 620Nm


**P510e**  
3.0-litre six-cylinder  
510PS, 700Nm

**38.2kWh**  
Battery

**105kW**  
Electric motor



### DRIVING MODES



**EV MODE**  
uses purely electric power for silent, zero tailpipe emission driving



**SAVE MODE**  
preserves the battery charge level to be deployed at a later point in the journey



**HYBRID MODE**  
seamlessly optimises energy efficiency between electric and petrol power

2024 New Range Rover is available in SE, HSE and Autobiography models, with an exclusive First Edition available during the first year of production. Both Standard (SWB) and Long Wheelbase (LWB) body designs are available with five seats, while the New Range Rover LWB model offers enhanced comfort for rear-seat occupants.

## New Range Rover SV

The Range Rover SV sits at the pinnacle of the Range Rover family and represents an exquisite interpretation of Range Rover luxury and personalisation, with exclusive materials, curated design themes and greater scope for personalisation than ever from the experts at Special Vehicle Operations. Order books for New Range Rover SV are now open, priced from £146,200 (OTR) in the UK.

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**Mark Turner, Commercial Director, Special Vehicle Operations said:** *“The introduction of the New Range Rover SV is a defining moment for Special Vehicle Operations, inviting our customers to create their very own interpretation of modern luxury and savour our shared passions for exquisite design, craftsmanship and quality.”*

Previously envisioned through the SVAutobiography family, the SV flagship model builds on New Range Rover’s breathtaking modernity, peerless refinement and unmatched capability with SV-specific design details and material choices throughout. It’s

estimated New Range Rover SV can be configured in more than 1.6million combinations.

Unique front bumper and five-bar grille designs identify the new flagship model, along with a laser-etched SV roundel on the side gills, new white ceramic SV roundel on the tailgate and optional 23-inch directional three-finish wheels. Exclusive materials include lustrous plated metals, smooth ceramics, sustainably sourced woods and soft near-aniline leather, as well as sustainable non-leather Ultrafabrics™. Pure luxury SV Serenity and stealthy SV Intrepid design themes are key to the personalisation journey on New Range Rover SV. These themes each give Range Rover SV a distinct personality and can be specified independently for the exterior or interior, in conjunction with the standard Range Rover SV exterior or interior or applied as one theme to the whole vehicle. Contrasting two-tone interior colourway options set the front and rear of the cabins apart.



Range Rover SV is available in both Standard and Long Wheelbase body designs, including a five-seat LWB configuration for the first time. Powerful and efficient engine choices include the 510PS Extended-

Range plug-in hybrid (SWB only), efficient D350 straight-six Ingenium diesel and refined 530PS V8 Twin Turbo.

The new V8 is 17 percent more fuel efficient and produces 50Nm more torque than the previous 5.0-litre Supercharged V8, propelling New Range Rover SV to an uplifted top speed of 162mph.

LWB customers also have the option of specifying the four-seat SV Signature Suite, which represents the pinnacle SV interior. The luxurious design is centred around an elegant front-to-rear console that runs the full length of the cabin and accommodates an electrically powered Club Table, electrically deployable cupholders and an integrated refrigerator with SV-etched Dartington crystal glassware.



Additionally, Range Rover SV models are available with 13.1-inch Rear Seat Entertainment screens, which are the largest ever fitted to a Range Rover and the optimum size for comfort. High-fidelity headphones are also designed specifically for Range Rover SV, with enhanced smoothness and performance in higher frequency ranges.

### **Electrified future**

New Range Rover will become the first in a series of all-electric Land Rovers when the 100 per cent electric model debuts in 2024, with every Land Rover set to be available with pure-electric propulsion by the end of the decade - helping Jaguar Land Rover achieve net zero carbon across its products, operations and supply chain by 2039 as part of its Reimagine strategy.

New Range Rover a choice of Extended-Range Plug-in Hybrid powertrains is available to order now from £103,485 (OTR) in the UK. The New Range Rover SV is available in SWB from £146,200 (OTR), with P530 LWB models from £173,200 (OTR). Configure yours here: [www.landrover.com/newrangerover](http://www.landrover.com/newrangerover)



# JAGUAR LAND ROVER ANNOUNCES PARTNERSHIP WITH NVIDIA

- As part of Jaguar Land Rover’s Reimagine strategy, the partnership will transform the modern luxury experience for customers starting in 2025
- Software experts from both companies will jointly develop AI-powered autonomous driving and connected services for all future vehicles built on NVIDIA DRIVE
- Next-generation safety and unique, brand-focused digital services enabled by NVIDIA AI

Jaguar Land Rover has formed a multi-year strategic partnership with NVIDIA, the leader in artificial intelligence (AI) and computing, to jointly develop and deliver next-generation automated driving systems plus AI-enabled services and experiences for its customers.

Starting in 2025, all new Jaguar and Land Rover vehicles will be built on the NVIDIA DRIVE™ software-defined platform—delivering a wide spectrum of active safety, automated driving and parking systems as well as driver assistance systems. Inside the vehicle, the system will deliver AI features, including driver and occupant monitoring as well as advanced visualisation of the vehicle’s environment.

This full-stack solution is based on NVIDIA DRIVE Hyperion™, which features DRIVE Orin™ centralised AV computers; DRIVE AV and DRIVE IX software; safety, security and networking systems; plus, surround sensors. DRIVE Orin is the AI brain of the car and runs the Jaguar Land Rover Operating System, while DRIVE Hyperion is the central nervous system.

Jaguar Land Rover will also leverage in-house developed data centre solutions with NVIDIA DGX™ for training AI models and DRIVE Sim software built on NVIDIA Omniverse™ for real-time physically accurate simulation. Jaguar Land Rover’s software-defined features and its end-to-end verification and validation architecture will enable the delivery of innovative assisted and automated driving services throughout the life of the vehicle via over-the-air software updates.

**Thierry Bolloré, Jaguar Land Rover Chief Executive Officer, said:**

*“Collaboration and knowledge-sharing with industry leader NVIDIA is essential to realising our Reimagine strategy, setting new benchmarks in quality, technology and sustainability.”*

*“Jaguar Land Rover will become the creator of the world’s most desirable luxury vehicles and services for the most discerning customers. Our long-term strategic partnership with NVIDIA will unlock a world of potential for our future vehicles as the business continues its transformation into a truly global, digital powerhouse.”*



*Above; Jensen Huang and Thierry Bolloré after signing the contract.*



Jensen Huang, NVIDIA founder and CEO, said:

*“Next-generation cars will transform automotive into one of the largest and most advanced technology industries. Fleets of software-defined, programmable cars will offer new functionalities and services for the life of the vehicles.”*

*“We are thrilled to partner with Jaguar Land Rover to reimagine the future of transportation and create the most advanced cars.”*

Jaguar Land Rover aims to achieve net-zero carbon emissions across its supply chain, products and operations by 2039.

### About NVIDIA

NVIDIA's (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market and has redefined modern computer graphics, high performance computing and artificial intelligence. The company's pioneering work in accelerated computing and AI is reshaping trillion-dollar industries, such as transportation, healthcare, and manufacturing, and fuelling the growth of many others. More information at <https://nvidianews.nvidia.com/>.



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## **JAMES BOND STUNT DRIVER MARK HIGGINS CELEBRATES 60 YEARS OF 007 WITH LAND ROVER DEFENDER RALLY SPECIAL**

- **60 years of James Bond:** 2022 marks the 60<sup>th</sup> anniversary of the James Bond film franchise. *Dr. No* was released on 5<sup>th</sup> October 1962.
- **Rally-ready Defender:** A Land Rover Defender 90, with livery inspired by 60 years of James Bond films will be driven by 007 stunt driver Mark Higgins for the North Wales leg of the 2022 Bowler Defender Challenge on 26 March
- **Lasting partnership:** Land Rovers have featured in famous James Bond scenes for nearly 40 years, from *Octopussy* in 1983 to the new Defender in *No Time To Die*\*

- **Celebratory Defender:** One-off black and gold Defender livery celebrates the 60<sup>th</sup> anniversary of the franchise
- **Teamwork:** Three-times British Rally Champions Mark Higgins returns to UK rallying alongside experienced co-driver Claire Williams
- **Defender toughness:** 300PS Defender 90 features a range of competition enhancements including a fully integrated roll cage, bespoke performance suspension system, additional cooling and racing harnesses

2022 marks the 60<sup>th</sup> anniversary of the James Bond film franchise and Land Rover is celebrating by entering a rally-prepared, liveried Defender 90 into the 2022 Bowler Defender Challenge with Mark Higgins competing in the North Wales leg on 26 March.



*Three-times British Rally champion will be in the driving seat for a round of the Bowler Defender Challenge to celebrate the famous film franchise*

Higgins, a three-times British Rally Champion and Bond stunt driver will make his return to rallying with co-driver Claire Williams on 26 March in North Wales. Higgins has been at the wheel in four James Bond films – *Quantum of Solace*, *Skyfall*, *Spectre* and *No Time to Die*.

The Defender 90 features a trademark black and gold Bond livery. The stealthy looking vehicle also features a special 007 60<sup>th</sup> logo on its roof and sides.

New Defender features in the latest Bond release *No Time To Die* so it's a fitting choice for Higgins, who has put his experience to the test in the previous four Bond films as a stunt driver.

**Mark Higgins, James Bond stunt driver and rally champion, said:**

*“The New Defender is a tough and capable vehicle when it leaves the production line and I’ve seen it perform really challenging stunts while on the set of No Time To Die. With the race ready enhancements made by the Bowler team and with Claire by my side we are confident we can have a great result.”*

The competition-ready Bond Defender is based on a current Defender 90, powered by the P300 Ingenium powertrain. It features a host of safety modifications, including a full roll cage, enhanced cooling for the engine and transmission, a sports exhaust and new rear roof spoiler.

Other enhancements include strengthened 18-inch Bowler wheels with all-terrain tyres and a bespoke suspension design with modified subframes, new springs and unique turrets for increased stiffness.

**Finbar McFall, Land Rover Brand Director said:**

*“To celebrate Land Rover’s long-running association with the Bond franchise, our very own special agent will showcase the durability and all-terrain capability of Defender with a nod to its special appearance in No Time To Die .”*

Regulated by the Motor Sports Association and operated by Bowler, the 12-team 2022 Bowler Defender Challenge is designed to act as a feeder series for global rally-raid competitions including the annual Dakar rally. Mark and Claire will compete on the gravel surfaces of Rally North Wales in Dolgellau on 26 March.



# Land Rover Reveals Best UK Stargazing Spots with the Help of Dark Sky Experts

*Land Rover has consulted astronomer and science expert Dr Jenifer Milard to reveal 10 beautiful stargazing spots in the UK plus tips on what you can see when you get there*

- Compton Bay on the Isle of Wight will allow you to spot as many as three great constellations - Orion, The Plough (otherwise named the Big Dipper in US and Canada) and Cassiopeia.
- Feeling starry eyed? Dalby Forest in North York Moors National Park will offer a sighting of up to 2,000 stars at any given time.
- Stargazing with just the naked eye? The Moon, the Milky Way and five of our closest Planets - Mercury, Venus, Mars, Jupiter, and Saturn can all be seen without you having to invest in equipment.
- If you're considering taking up stargazing in 2022, Dr Jenifer Milard has also provided five expert tips to get you started.
- In February, Land Rover UK conducted a Defender expedition to find a Scottish Highlands star-gazing location



Much of the UK has discovered breathtakingly beautiful sites right on our doorsteps over recent years. However, not all these spots are best observed in the daytime – some are best enjoyed under the cover of darkness.

The UK is home to some of the largest areas of Dark Sky (low light pollution areas) in Europe making it the perfect place to capture the canopy of the stars with the naked eye. But even for those who love to look up into the night sky, it can be hard to know what you're looking at without an expert at hand.

Land Rover has teamed up with astronomer and science communicator, Dr Jenifer Millard, to provide the best 10 best stargazing spots across the UK, plus tips on when to visit and what to bring for the most epic experiences. In addition, a small team of Land Rover explorers set off in search of an additional dark skies location in the Scottish Highlands in a convoy of Land Rover Defenders.

**Anthony Bradbury, Land Rover UK Marketing Director said:** *"More often than not, finding dark skies is a simple case of escaping civilization. Away from street lamps, houses and main roads, the majesty of the universe reveals itself to the naked eye. It's always been in Land Rover's DNA to explore, and we encourage people to find the permitted routes less travelled and the areas rarely visited to seek out dark skies for themselves. Our recent expedition to the shores of Loch Torridon in the North West Scottish Highlands revealed the Milky Way and our nearest planetary neighbours in great detail, showing there's plenty of incredible stargazing to be done, even outside of officially recognised Dark Sky Reserves."*



## The best 10 best stargazing spots in the UK

- **Carrick-a-Rede Rope Bridge (Northern Ireland)**

Carrick-a-Rede Rope Bridge is one of only two Dark Sky sites in Northern Ireland making it incredibly special for those nearby. The National Trust site spans 66 feet across the Atlantic Ocean offering breath-taking views of the ocean in the daytime and the starry night sky in the dark. The site is also backed by the Northern Ireland Amateur Astronomy society who are often there with their equipment.

**Dr Jenifer Milard:** *"The 24-hour car park of this National Trust site offers excellent dark skies and is highly accessible."*

- **Compton Bay (Isle of Wight)**

The Isle of Wight's Compton Bay draws stargazers all year round as it is largely devoid of light pollution, allowing visitors to spot all sorts of stars in the sky - even with just the naked eye. On a clear night you can see the Milky Way with great clarity. When it comes to constellations, you can spot Orion (named after a hunter in Greek mythology), The Plough (otherwise named the Big Dipper in US and Canada) and Cassiopeia (named after the vain queen who boasted about her unrivalled beauty).

**Dr Jenifer Milard:** *"Nearby Fort Victoria Country Park Car Park is a Dark Sky Discovery Site, noted for its accessibility and excellent skies largely devoid of light pollution"*

- **Tomintoul and Glenlivet, Cairngorms National Park (Scotland)**

This is the most northerly Dark Sky region of the UK. Here stargazers can be lucky enough to see the Aurora Borealis (or the Northern Lights as they are more commonly referred to) as well as the Milky Way. Twice a year, this National Park will also provide a view of the Spring equinox (around 20 March) and Autumn equinox (around 23 September). That is when the centre of the visible sun is directly above the equator.

**Dr Jenifer Milard:** *"Cairngorms Dark Sky Park boasts Gold Tier dark skies. Three Dark Sky Discovery Sites are associated with Tomintoul and Glenlivet Dark Sky Park – Glenlivet Blairfindy car park, Tomintoul Field of Hope, and The Carrachs car park."*

- **Llynau Cregennen, Snowdonia National Park (North Wales)**

Over in one of the remotest parts of Britain, Snowdonia presents one of the darkest and clearest views of the sky for astronomers. Facing North from the North Wales National Park, stargazers can see the North Star - the brightest star in the Ursa Minor constellation – with just the naked eye. Also visible here is the Cassiopeia constellation.

**Dr Jenifer Milard:** *"Concerted efforts by the Park Authority resulted in Snowdonia achieving International Dark Sky Reserve Status in 2015. With numerous lakes, trails, and places of outstanding beauty, budding stargazers can choose from dozens of locations. The lakes of Llynau Cregennen, Dolgellau, are a recommended stargazing site and are particularly picturesque"*

- **Dalby Forest, North York Moors National Park (North Yorkshire)**

This stunningly secluded part of northern England offers beautiful coastline views in the daytime between Saltburn and Scarborough. At night time however, you can head up to Kettlewell Cliff where, thanks to its height and dark sky, you can spy up to 2,000 stars at any one time.

**Dr Jenifer Milard:** *"Awarded International Dark Sky Reserve status in 2020, the region is committed to reducing light pollution and making dark skies accessible for all. Dalby Forest is home to Scarborough & Ryedale Astronomical Society, who hold regular stargazing events, and Starfest, an annual 3-night star camp held in August."*

- **Usk Reservoir, Brecon Beacons National Park (Wales)**

The Usk Reservoir in Brecon Beacons makes the list thanks to its crystal-clear cosmos that it offers stargazers all year round. This is another great spot for those looking out for the Milky Way. Dependent on the time of year, you may also be able to spot colourful nebulas in the sky - a distinct body of interstellar clouds - or even meteor showers.

**Dr Jenifer Milard:** *"The Brecon Beacons National Park achieved International Dark Sky Reserve status in 2012, the fifth destination in the world to be awarded this rare accolade. The region is home to several Dark Sky Discovery Sites, but Usk Reservoir offers some of the darkest skies and is accessible all year round with plentiful car parking."*

- **Porlock Common, Exmoor National Park (Somerset)**

As the first ever Dark Sky Reserve in Europe, Exmoor boasts views of many planetary observations as well as thousands of stars via the Milky Way. They also run an annual Dark Skies Festival in late October to encourage everyone to look up.

**Dr Jenifer Milard:** *“Exmoor National Park became the first Dark Sky Reserve in Europe 10 years ago. Porlock Common offers 360° views of some of the darkest skies available in the UK. There are no facilities directly on site, but equipment can be set up within the carparks.”*

- **Kielder Observatory and forest (Northumberland)**

Located in the centre of the Northumberland International Dark Sky Park, Kielder Observatory is one of the most active stargazing sights in the way of events offering meetups nearly every night of the year. Kielder Forest is the second largest area of protected night sky in Europe and on a very dark night, you'll feel close enough to touch Jupiter as the planet can even cast shadows on the ground.

**Dr Jenifer Milard:** *“The Observatory hosts events almost every night of the year, studying the cosmos with telescopes when it's clear and entertaining with tours and talks when clouds roll in.”*

- **Kelling Heath Holiday Park (Norfolk)**

In the North Norfolk countryside, Kelling Heath draws hundreds of astronomers and novice stargazers throughout the year. Visitors can see the seven stars of the Orion constellation, the Milky Way and even huge interstellar dust clouds on occasion.

**Dr Jenifer Milard:** *“In September 2017, Kelling Heath was awarded ‘Dark Sky Discovery Site’ status – it is one of the best places in the UK to enjoy the starry sky unaffected by light pollution and is highly accessible. Multiple star parties are held here every year, drawing hundreds of astronomers. Caravan hire is available, and there are many amenities.”* Dr Jenifer Milard

- **Ben Damph Estate on Upper Loch Torridon (Scotland)**

Land Rover UK conducted an exploratory expedition to find the perfect Scottish west coast stargazing spot situated a mere 8 miles off-road from the village of Torridon.

Set in 14,500 acres of dramatic highland landscape and nestled on the edge of Upper Loch Torridon, sits the perfect stargazing spot on a clear night. The team took three Land Rover Defenders along the existing off-road route to the spot which – bereft of trees, and any signs of light pollution – provides a view of the Milky Way and even the possibility of experiencing the aurora borealis should the conditions be right.



## You don't need to spend hundreds on astronomy equipment, says expert

Astronomy equipment can boost your chances of seeing some of the harder-to-spot constellations, but they're not always needed.

Here is what you can expect to see dependent on what equipment you've got available to you.

### The naked eye

You don't need to spend lots of money on equipment to enjoy the hobby of stargazing. There is a vast number of constellations and planets such as the Milky Way and The North Star that can be seen with the naked eye, says expert Dr Jenifer Milard.



The **moon** is always a delight, with changing phases and distinctive basalt *mare* (seas; dark patches) contrasting the bright highlands.

Five **planets** (Mercury, Venus, Mars, Jupiter, and Saturn) are easily visible to the naked eye, identifiable as “stars” that do not twinkle.

Moving beyond our solar system, **constellations** of bright stars soon pop into view – but before long, they become lost in a sea of diamonds, as fainter and fainter stars appear from the darkness.

Undoubtedly the best naked-eye delight is the **Milky Way**, a fuzzy band of light stretching across the sky from horizon to horizon, marred by dark cosmic dust clouds. This almost-misty concentration of stars is our home galaxy.

Some **star clusters** (gravitationally bound groupings of stars), **nebulae** (gas and dust clouds) and **galaxies** are visible to the naked eye as fuzzy patches – try finding the Double Cluster, Pleiades, Orion Nebula, and Andromeda Galaxy.

Almost every month, as earth moves around the sun on its orbit and encounters debris left from passing comets, we enjoy **meteor showers** (shooting stars).

Finally, we can enjoy passing human-made stars – **satellites**.



## With binoculars

Though you can still see a vast amount in the sky with the naked eye, binoculars magnify and gather more light than our eyes can, allowing us to see fainter objects and enhancing the view of naked-eye objects.

**Craters** become visible on the moon, the **naked-eye planets** transform from star-like points to discs, and Jupiter's four Galilean moons become visible.

**Uranus** (sometimes naked-eye visible under optimum observing conditions) can be spotted through binoculars, as can the furthest planet from the sun, **Neptune**.

Some bright stars are revealed to really be **double stars**, and individual stars can be seen in **star clusters**.

**Nebulae and galaxies** are much more obvious through binoculars – new shapes and details can be teased out.

## Telescopes

Just like binoculars, telescopes magnify and gather even more light, revealing objects not visible to the naked eye.

**Saturn's** rings are easily discerned, as are **Jupiter's** stripes, and larger telescopes can even reveal **Mars'** polar ice caps.

Telescopes make **star clusters** look almost three dimensional.

Often invisible **nebulae** and **distant galaxies** pop out against the inky blackness of space. **Comets** rarely become bright enough to be naked-eye visible, but they can often be spotted through small telescopes.

## Five top tips for stargazing

Convinced that you want to give stargazing a go? Land Rover asked expert Dr Jenifer Milard for her top tips for stargazing novices.

1. **Wrap up warm** – astronomy is a static hobby so it's very easy to get cold. Hot drinks are a must too.
2. **Use a red-light torch** - it takes your eyes around 30 minutes to become '**dark adapted**', with pupils fully dilated so your eyes are

sensitive to faint starlight. Exposure to white light, from any source, even your phone screen, will ruin your dark adaptation. A red-light torch or red-light filter on your phone screen will preserve your dark adaptation.

3. **Moonless nights are best** – moonlight makes the whole night sky brighter, making it harder to see faint objects.
4. **Averted vision** – by looking slightly to one side of your target object, you activate the more light-sensitive cells in your eyes, allowing you to see faint objects like nebulae and galaxies more easily. The light sensitive cells in your eyes do not detect colour, so only the brightest objects, like planets and bright stars, are not black-and-white.



5. **Star maps, apps, and a compass** – these will help you plan your observing session and navigate the night sky, so you can find the objects you wish to view.



**Dr Jennifer Milard comments:** *“It’s worth stargazing all year round because our view of the cosmos slowly changes night-by-night. As earth moves around the sun on its orbit, we look out onto different parts of the universe. Some constellations, and the astronomical objects they host, are only visible at certain times of the year. Additionally, moonless nights are ideal - the moon’s light simply washes out fainter stars and objects, like nebulae and galaxies, although it has little effect on bright stars and planets.”*

To find out more about the best places to stargaze in the UK, and what can be seen when you get there visit [Land Rover Best places to stargaze in the UK](https://www.landrover.co.uk/explore-land-rover/one-life/adventure/best-stargazing-spots-uk.html):

<https://www.landrover.co.uk/explore-land-rover/one-life/adventure/best-stargazing-spots-uk.html>



## JAGUAR LAND ROVER GIVES SECOND LIFE TO BATTERIES

- Jaguar Land Rover partners with Pramac to create zero-emissions charging unit using second-life batteries
- Energy Storage System is charged using solar panels
- Reusing vehicle batteries will create new circular economy business models for Jaguar Land Rover in energy storage and beyond
- Collaboration with industry leaders will help Jaguar Land Rover achieve net zero carbon status by 2039

Jaguar Land Rover has partnered with Pramac, a global leader in the energy sector, to develop a portable zero-emission energy storage unit powered by second-life batteries.

Called the Off Grid Battery Energy Storage System (ESS), Pramac's technology – which features lithium-ion cells from Jaguar I-PACE batteries taken from prototype and engineering test vehicles, supplies zero-emission power where access to the mains supply is limited or unavailable.

The partnership is the first in Jaguar Land Rover's plans to create new circular economy business models for its vehicle batteries. As part of its commitment to net zero status by 2039, the company will be launching programmes that deliver second life and beyond uses for its electric vehicle batteries.



Post-vehicle applications exist because Jaguar Land Rover's batteries are engineered to the highest standards and can therefore be safely deployed in multiple low-energy situations once battery health falls below the stringent requirements of an electric vehicle.

Second-life battery supply for stationary applications, like renewable energy storage, could exceed 200 gigawatt-hours per year by 2030, creating a global value over \$30 billion\*.

The flagship system has a capacity of up to 125kWh – more than enough to fully charge Jaguar's multi-award-winning all-electric I-PACE performance SUV, or to power a regular family home for a week\*\*. Pramac directly reuses up to 85% of the vehicle battery supplied by Jaguar Land Rover within the storage unit, including modules and wiring. The remaining materials are recycled back into the supply chain.

Charged from solar panels, the unit is a self-contained solution that consists of a battery system linked to a bi-directional converter and the associated control management systems. Available for commercial hire, the units are fitted with Type 2 Electric Vehicle (EV) charge connections with dynamic control and rated at up to 22kW AC to allow electric vehicle charging.

To showcase its capability, the unit helped Jaguar TCS Racing prepare for the 2022 ABB FIA Formula E World Championship during testing in the UK and Spain, where it was used to run the team's cutting-edge diagnostic equipment analysing the race cars' track performance, and to supply auxiliary power to the Jaguar pit garage.

An Off Grid Battery ESS will also be deployed at Jaguar Land Rover Experience Centre in Johannesburg, South Africa – the world's biggest – to help the site cope with inconsistent power delivery from the mains.

**Andrew Whitworth, Battery Manager, Circular Economy Team at Jaguar Land Rover, said:** *"This announcement is a great example of how we will collaborate with industry leaders to deliver our sustainable future and achieve a truly circular economy. We're delighted to be working with Pramac to use Jaguar I-PACE second-life batteries to provide portable zero-emissions power and supporting Jaguar TCS Racing this season was an excellent opportunity to demonstrate what these units are capable of."*

**François Dossa, Executive Director for Strategy & Sustainability, Jaguar Land Rover, said:** *"The transition to an electric future, with Jaguar becoming all-electric from 2025 and the first all-electric Land Rover model expected in 2024, is integral to our sustainability strategy through the development of a comprehensive EV ecosystem from batteries to charging. This includes our effort to enable technical and business innovations for battery reuse for second life applications. Our collaboration with Pramac is a proof point in such direction, showing how it's possible to supply zero-emission power through the combination of renewables and second life batteries. Through their testing at Valencia, the Jaguar TCS Racing team have shown how we can inspire the whole ecosystem to continue to explore synergies and validate viable solutions for clean energy."*

**Danny Jones, Director, Pramac, said:** *"We have been privileged to work so closely with Jaguar Land Rover who are a hugely supportive partner in our journey to successfully build a robust product and a commercially viable business case using second-life EV modules. This brings a new element to the sustainability story as a manufacturer of energy efficient and carbon reducing technology. We look forward to continuing the journey with Jaguar Land Rover and providing innovative charging infrastructure solutions to support the electrification of their class-leading vehicles."*





**Land Rover Photos, too good to miss...**



# KWIK FIT RAISES £300,000 FOR PROSTATE CANCER UK



**Fundraising activity to increase as pandemic restrictions ease, [Video](#) highlights how funds will be used**

Kwik Fit, the UK's largest automotive servicing and repair company, today announces that despite the impact that pandemic restrictions have placed on face-to-face fundraising, over the last year it has raised more than £300,000 for its charity partner Prostate Cancer UK.

The partnership is raising funds to combat the most common cancer affecting men in the UK. The funds are being used to raise awareness of the risks of prostate cancer, to support Prostate Cancer UK's specialist nurses team, and help fund research into treatment and diagnosis, with a particular focus on developing an effective test for use in a national screening programme.

With Covid-19 restricting the options for fundraising, the programme has placed a greater focus on online activity and staff participating in virtual and individual events. These included a team of employees from the company's Fleet and Mobile division completing a round the world trip - walking, running and cycling a total of 25,734 miles and raising over £18,000.

Kwik Fit centres have remained open throughout the pandemic to support the nation's motorists and the company has taken advantage of this to raise awareness of prostate cancer with as many of its customers as possible. It has been providing information about the disease in its centres and has displayed the charity's 'Man of Men' icon in its receptions, encouraging people to post photos on social media and prompt men in their network of friends to check their risk.



In addition, Prostate Cancer UK Man of Men pin badges have been available to customers in all centres, in exchange for either cash or card donations. Customers have also been able to add donations to orders made online at [kwik-fit.com](http://kwik-fit.com).

The company has more fundraising activity planned this year, depending on Covid-19 guidance, with potential activity including staff participating in Prostate Cancer UK's bike rides to Amsterdam, the London Marathon and Great North Run, as well as Kwik Fit hosting a number of golf days and in centre activity.

**Mark Slade, Kwik Fit managing director, says:** *"The past year has been very challenging for charity fundraising but our employees across the country have been committed in finding innovative ways to overcome these obstacles and we have made fantastic progress. Clearly we all hope the pandemic continues to ease and this will help us broaden the range of activity we undertake. I thank all our staff for their efforts to this point and also give special thanks to all our customers and industry partners for their ongoing support."*

Nicola Tallett, acting chief executive at Prostate Cancer UK, said: *“Kwik Fit staff, their customers and partners have done an incredible job of raising a phenomenal £300,000. To do this in a year of such uncertainty shows real commitment and dedication to the cause. The awareness and funds raised will go a long way in helping Prostate Cancer UK achieve its goal: to stop prostate cancer being a killer. We thank everyone so far involved in this hugely successful partnership and look forward to the year ahead.”*

## ABOUT PROSTATE CANCER

- Prostate cancer is the most common cancer in men.
- More than 11,500 men die from prostate cancer in the UK each year – that's one man every 45 minutes.
- More than 47,500 men are diagnosed with prostate cancer every year – that's 129 men every day.
- 1 in 8 men will be diagnosed with prostate cancer in their lifetime. This raises to 1 in 4 for black men.
- Around 400,000 men are living with and after prostate cancer.
- A 30-second online risk checker is available at [prostatecanceruk.org/risk-checker](http://prostatecanceruk.org/risk-checker)
- Prostate cancer mainly affects men over 50 and the risk increases with age. But the risk is higher for black men or men with a family history of prostate cancer, so they may wish to speak to their GP from age 45.
- Prostate cancer often has no symptoms so men shouldn't wait to see changes before they act.
- Anyone with concerns about prostate cancer may contact Prostate Cancer UK's Specialist Nurses in confidence on 0800 074 8383 or online via the Live Chat instant messaging service: [www.prostatecanceruk.org](http://www.prostatecanceruk.org). The Specialist Nurse phone service is free to landlines and open from 9am to 8pm on Monday, 9am to 6pm on Tuesday, Thursday and Friday, and 10am to 6pm on Wednesdays.



### A quick look inside the 2022 Evoque

This D180 SE comes with the full glass roof and auto blind. The new dash is well laid out but takes a bit of getting used to as functions have moved about. Shame it's missing the blind spot system for the mirrors, but the lower screen is a very cool.

Well worth the name of Range Rover..



## LAND ROVER INTRODUCES NEW RANGE ROVER VELAR HST EDITION



*New HST joins the Range Rover Velar family with a choice of powerful and efficient P400 or D300 engines*

Land Rover introduces a new HST model to the Range Rover Velar family. The HST was first introduced on the high-performance Range Rover Sport and Evoque models and its dynamic character is now available on the Velar for the first time.

A distinctive combination of design enhancements and chassis features bring a new dimension of sporting luxury to the line-up, all based around the R-Dynamic design. Its stealthy character is supported by a Black contrast roof and full exterior Black Pack. Available in the full colour palette and exclusively in new Arroios Grey, privacy glass and unique Gloss Black 21-inch 5 split-spoke alloy wheels complete the exterior.

The dynamic theme continues inside, with Black Suedecloth headlining and steering wheel. A sliding panoramic roof ensures a light and airy cabin while a combination of chassis technologies ensure the perfect balance of ride comfort and handling.



The new HST features Electronic Air Suspension with Adaptive Dynamics for optimum comfort and control, with Adaptive Dynamics constantly monitoring the road conditions and adjusting the suspension responses accordingly. Configurable Dynamics also ensures drivers are able to tailor the driving experience to suit their preferences.

In keeping with its dynamic personality, the HST is available with a choice of powerful six-cylinder Ingenium engines. Customers can choose from the P400 (400PS) and D300 (300PS) Mild Hybrid Electric Vehicle (MHEV) petrol and diesel powertrains for effortless performance and refinement.



The Range Rover Velar's elegant design and connected technologies have seen the mid-size luxury SUV win a succession of international awards, including the World Car Design of the Year title at the 2018 World Car Awards.

**Finbar McFall, Land Rover Brand Director, said:** *“The new Range Rover Velar HST offers a combination of carefully curated design enhancements and chassis features; to add to its breadth of capability, without compromising its trademark refinement and comfort.”*

In addition to the HST model, the desirable Range Rover Velar Edition has been reintroduced to the line-up. Based on the R-Dynamic SE, this special edition is now available with the full Velar paint palette and features a black contrast roof complemented by Black Pack exterior detailing and 20-inch Gloss Black alloy wheels. A sliding panoramic roof and privacy glass complete the enhancements.

Amazon Alexa is now available on the Range Rover Velar when fitted with the advanced Pivi Pro infotainment system and the Online Pack. Seamless integration brings the familiar Alexa experience into the vehicle and provides natural voice interaction with Pivi Pro's navigation and entertainment features. Use Alexa to set destinations or find points of interest en route, stream media, make lists and set reminders, make calls and control your smart home.

The Velar also features the latest Advanced Driver Assistance Systems (ADAS) technologies, including Adaptive Cruise Control with Steering Assist. This intelligent technology is available as part of the Driver Assist Pack and makes automatic steering adjustments in order to keep the vehicle in the centre of the lane it is travelling in.

Customers can experience superior air quality thanks to Cabin Air Purification Plus. The advanced technology enhances Cabin Air Ionisation with PM2.5 filtration, providing superior interior air quality by monitoring CO<sub>2</sub> levels and automatically introducing fresh external air when levels drop.

Greater convenience comes courtesy of the Park Assist Pack. While all Velar models feature a rear camera as standard, this comprehensive pack includes 3D Surround Camera and Park Assist for automatically controlled parking manoeuvres.



## FINAL THOUGHT FROM THE TEAM

**“Didn’t he do well?” Up-date to the story on page 9.**

### JAMES BOND STUNT DRIVER MARK HIGGINS MAKES WINNING RALLY RETURN IN BOWLER DEFENDER CHALLENGE



- **Dream team:** Mark Higgins and co-driver Claire Williams won the North Wales leg of the 2022 Defender Bowler Challenge in Dolgellau in a time of 55 minutes and 12 seconds
- **Winning pair:** The duo finished one minute and 41 seconds ahead of their nearest rival
- **Bond partnership:** Duo drove a Bowler Defender 90, with unique livery inspired by 60 years of James Bond films and its lasting partnership with Land Rover
- **Rally royalty:** Higgins has been at the wheel in the last four James Bond films, including *No Time To Die* (2021). Watch him make his winning rally return [here](#)





In celebration of the 60<sup>th</sup> anniversary of the James Bond film franchise, a Land Rover Defender 90 with a unique 007 livery made a winning one-off appearance in the Defender Bowler Challenge in Dolgellau, Wales, driven by Bond stunt driver and rally champion Mark Higgins.

Land Rover has produced a film capturing Mark's successful return to rallying. Watch [here](#).

The one-off Bowler Defender 90 featured a special 007 60<sup>th</sup> logo on its roof and sides in a trademark satin black and gold finish, with a host of performance and competition upgrades by the team at Bowler.



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