

IT'S SHOW TIME

It's time for the main commercial vehicle event of the year. John Challen offers a selection of highlights at the CV Show, NEC, Birmingham, 26-28 April 2016

TIGER TRAILERS

To demonstrate the versatility of its vehicles, Tiger Trailers is exhibiting a mega straight frame chassis with a curtainside body (pictured below right). This trailer has a full-length lifting deck with a lifting roof that allows 100% load fill for both top and bottom decks.

A 20% load fill increase is claimed over a traditional step frame lifting deck design, and this chassis uses Tiger's fully galvanised construction that comes with an eight-year anti-corrosion warranty. SAF axles with high-lift air bags and Knorr Bremse braking systems complete the picture.

FORS

FORS (Fleet Operator Recognition Scheme) is using the CV Show to reaffirm its credentials as the nationwide accreditation programme for operator best practice, alongside CLOCS (Construction Logistics and Cyclist Safety). "The perception," says FORS concession director, John Hix, "has been that FORS applies only to trucks operating within the M25. In fact, two-thirds of our 3,600 members are based outside the London Orbital, and we're seeing increasing uptake right across the country."

BOWMONK

Portable brake test equipment supplier Bowmonk is displaying BrakeCheck, the DVSA-approved portable decelerometer, with visitors invited to see how easy it is

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IRTE

Look out for the launch of the irtec light technician licensing scheme on the IRTE stand at the NEC. The IRTE says its new irtec light accreditation is similar to the Inspection Technician standard, but redesigned for engineers working on LCVs between 3.5–7.5 tonnes. Core competencies and technical knowledge are similar, but have been adapted for technicians working on the growing numbers of lighter vehicles.

This accreditation allows fleet and workshop managers responsible for inspecting and maintaining LCVs the opportunity to prove their technicians' standards of currency and competence, with independent validation. For the IRTE, it is also aimed at improving standards throughout the increasingly important LCV sector – with pilot schemes by UPS and the North East Ambulance Service providing excellent feedback.

to use. BrakeCheck is approved not only for interim safety brake tests, but also for the three-monthly 'voluntary' brake test. For MOT testing, BrakeCheck is approved as a back-up to a rolling road.

Bowmonk's In-CarPC division also brings a range of rugged, compact in-vehicle computers and routers. These are versatile multi-function devices that can be used for CCTV, communications

and tracking, on-board stock control, navigation, and WiFi.

VOITH TURBO

An innovative compressor for the retrofit truck market is the highlight on Voith Turbo's CV Show stand. Its public launch follows the compressor's earlier success on buses, which have a much heavier duty cycle, because they are



CV rental specialist Enterprise Flex-E-Rent is making its public debut at the CV Show. Visitors will be struck by two key points: the level of customer service and a competition to win a trip for two to the UEFA Europa League Final in Basel on 18 May

employed to open and close bus doors. In mainland Europe, the Voith lightweight LP490 two-cylinder Euro 6 compliant compressor has already been fitted as OE to Mercedes-Benz Actros, Antos and Arocs trucks.

BPW

BPW is highlighting its disc and drum brake axles with Eco Air Compact suspension and the new ECO Plus 3 hub. This latter applies the Formula 1 principle, allowing simple removal of the



entire wheel, so reducing service times.

BPW Group has expanded its portfolio and now offers a range of products to support trailer builders. Alongside landing legs, Ermax lighting systems and Hestal components are being showcased. These include the EN12642XL rated pillars, which can be moved anywhere along the trailer side.

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IVECO

The only truck manufacturer to grace the CV Show is making the most of it, bringing more than 20 vehicles - it's biggest ever push. Iveco is displaying a Stralis Hi-Way tractor unit, New Eurocargo and Daily models, as well as a rally-spec Iveco Trakker from Petronas Team De Rooy Iveco.

Iveco's outdoor display majors on its Hi-SCR (selective catalytic conversion) aftertreatment technology for Euro 6 heavy-duty diesel engines. An 18-tonne New Eurocargo, another Stralis Hi-Way and Trakker 8x4 rigid provide the backdrop.

Meanwhile, its Daily line-up highlights the breadth of the 3.5-7.2 tonne gvw range - including panel vans, chassis cabs, a 4x4 and a minibus powered by the latest Iveco diesel technology.

Iveco also promises an international premiere at the CV Show, and is debuting its latest generation Daily Electric van.



GEMCO

On workshop equipment supplier and design and build specialist Gemco's stand you will find its premium range of Sherpa and BM commercial vehicle roller brake testers and ATF-certified test equipment. The company's extensive vehicle lift range is also on show - with its display including mobile column lifts, an Autop in-ground lift and the new Stenhoj baseless two-post lift, which boasts a 6.5-tonne lifting capacity.

EBERSPÄCHER

Taking pride of place on Eberspächer's stand are its Breezeonic 3000 - a 240V roof-mounted heating and air conditioning unit for generator-driven mobile applications - and the Cooltronic G2 24V range for truck roof hatch-mounted air conditioning, including engine-off parked cooling. Several of Eberspächer's bodybuilder and converter customers are also showing vehicles fitted with its air conditioning and climate control



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Recruitment agency Pertemps is showcasing its work with the Ministry of Defence, with a military heavy equipment transporter, manned by service personnel who have undergone training at the Pertemps driving academy

systems – with eight vehicles, including an ambulance, minibus, pick-up truck, tipper truck and welfare coach.

SDC TRAILERS

SDC Trailers is introducing an innovative fuel-saving 13.6-metre KERS (kinetic energy recovery system) curtainsider on its stand in Eddie Stobart's livery.

The KERS curtainsider is claimed to cut fuel consumption and greenhouse gas emissions by up to 25%. Its hybrid



system consists of high-power ultra-capacitors and an electrically-driven axle, together capturing braking energy and re-powering the vehicle.

During braking, the motor becomes a generator, storing energy in the ultra-capacitors. The technology is controlled by a system that tracks driver input to manage the electric motor boost.

Other trailers include: a 13.6-metre Boxvan using GRP ply; a 10.79-metre Urban trailer with Tridec rear steer; a 4.6-metre Hireco curtainsider; and 4.2-metre TIP curtainsider.

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TYRES

There is no shortage of tyre manufacturers at the CV Show, many offering products to cut costs and reduce maintenance. Giti Tire is debuting its expanded GT Radial GSR225 Combi Road range, while promoting its GT REE Tread and 3PMSF-certified programmes.

There are three new 19.5in sizes in the GSR225 Combi Road multi-use steer axle range – 245/70, 265/70 and 285/70 – and a new 315/70R22.5 targeting UK fleet operators wanting to maximise ppk (price per kilometre).

Elsewhere, Pirelli returns to the CV Show with the latest generation of its :01 Series truck tyres. This includes the FR:01 II and TR:01 II, the ST:01 Base, designed for trailers, as well as Europe's first double 'A' rated trailer tyre, the ST:01 Neverending. Also, look out for the Novateck TR:01 in 295/80R22.5, a cold retreaded tyre made using a high-pressure press and multi segment mould.

More retread technology comes courtesy of Vacu-Lug, with the presentation of its Logistik drive and trailer tyres. You can also see a selection of its Duramold tyres, designed for a range of heavy and light truck operations.



R2C ONLINE

Workshop management system specialist r2c Online has revamped its range and is unveiling its i2i (issue to invoice) module, described as a revolutionary system for pricing and authorising service, maintenance and repair work. The system is an e-commerce platform that automates

much of what are traditionally manual processes, driving new efficiencies and accuracy into fleet and workshop operations.

VISION TECHNIQUES

Vehicle safety specialist Vision Techniques is showing visitors how to prevent truck runaways, with an

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SmartWitness is launching VanProtect, a 'van cam' product, designed for commercial vehicles from 1.5-4.5 tonnes. The package includes a forward-facing high resolution video camera, a 120ft rear-view infrared camera and a dash-mounted monitor

interactive demo. Its VT BrakeSafe is a safety system that automatically applies the truck handbrake if a driver forgets when leaving the vehicle.



The point: runaway accidents continue to affect freight, construction and waste vehicles across the UK, and existing technology only sounds an alarm. VT BrakeSafe activates even when the vehicle's ignition is switched off. It is claimed to be suitable for new truck installs or as a retrofit option.

TERBERG

The DT183 specialist distribution tractor is the star of Terberg's stand, alongside the company's latest forklift truck.

The tractor features what the company describes as an array of "industry-specific" features, and is powered by the new Cummins Tier 4 Final diesel engine driving through an Allison fully automatic gearbox. Meanwhile, the Kinglifter M-type is its flagship forklift, with all-round capabilities claimed to match most applications.

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Don-Bur

Don-Bur is launching innovative aerodynamic trailer technology dubbed Plasma Actuators. This novel system is said to replace tail fins currently being installed for rear end aero interventions (as boat-tails), and is claimed to generate fuel savings of up to 7%.

Current boat-tail designs use large folding fins angled in at the rear to combat the negative pressure pocket associated with bluff rear faces. While there is significant research to prove the effectiveness of boat-tails, they can be prone to mechanical problems.

Plasma Actuators harness an effect known as Single dielectric barrier discharge. Don-Bur says that, by placing a voltage across two strategically placed electrodes, air becomes ionised (plasma) – leading to a fast 'active' flow that can be directed to disrupt drag flows.



PANELTEX

Paneltex is celebrating its silver jubilee year with its biggest ever display in the Cool Pavilion at the CV Show. Six vehicles on its stand include examples

from all four of its UK truck, trailer and van manufacturing sites.

The stand includes a Mercedes-Benz MWB Sprinter as a Paneltex Somers refrigerated panel van conversion, an

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Thermo King and Frigoblock are majoring on offerings that address the sometimes conflicting demands for cost effectiveness, energy efficiency, performance, environmental sustainability and regulatory compliance

11-metre refrigerated trailer, two refrigerated rigid box bodied trucks and a Paneltex Transload-bodied Luton van.

VBG

Drawbar coupling and underrun protection equipment producer VBG is displaying several truck equipment solutions – including in-house developed and engineered systems for drawbar couplings, approved chassis mounting fabrications and useful rear underrun kits.

VBG says its kit reduces type approval documents, cuts cost and also – since all equipment is designed to work together – ensures a right-first-time and long trouble-free service life.

SHOW SHORTS

● Anyone looking to save tyre costs, reduce CO₂ and improve driver safety should visit the Pro-Align stand to see Hunter's commercial aligner. It is claimed to be the only simultaneous live three-axle (six-wheel) alignment system (single roll compensation) – measuring in four minutes.

● As well as its CV laser wheel alignment equipment, Haweka is showcasing its new calibration rig for ACC and EBA systems. Go to the Tecalemit stand.

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Light commercials

Citroën's revised New Berlingo range makes its show debut. Available from May, the 2016 model range is offered with a choice of a Euro 6 VTi 95 petrol engine and BlueHDi 75, 100 and 120 diesel engines. This all-new engine line-up is claimed to deliver improved fuel economy, increased efficiency and even better on-road drivability.

While full details have not been announced at press time, the CV Show will also mark the global launch of the new Dispatch – as well as sister vehicle, the Peugeot Partner.

Elsewhere, Renault's stand is showcasing 11 vehicles that illustrate the diversity of its LCV range. Models include the Master LHL35 RWD and the innovative Twizy Cargo and Kangoo ZE electric van.

Representing the brand's official conversions will be the popular Master-based Welbus, while the new 3.5-tonne Master Passenger makes its first public appearance.

Meanwhile, Volkswagen is exhibiting its latest Transporter and Caddy vans alongside conversions; Toyota is returning to the CV Show with a new LCV line-up; Mitsubishi is showcasing its L200 pick-up; and the LDV name re-emerges with the new Chinese-built V80 panel van.



● Tyre Equipment Company returns to the NEC with a range of tools on the stand, all designed to assist with tyre servicing. Products include torque wrenches, bead seating tools and lifting equipment.

● VWS is co-demonstrating its tow hitch safety loading system with Hope Technical Developments. The

companies have teamed up to create an all-in-one van and tow overload protection system.

● Head to Sigvision's stand to see what is claimed to be the world's first hand-held 3D tyre scanner. Dubbed TreadReader, it produces a detailed tyre scan showing all-round, colour-coded tread depth measurements.



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