

<p>2022</p>	<p>DAF Components is to provide two PACCAR MX-11 engines for Amsterdam's IJveer 56 ferry. The municipal public transport company GVB has chosen PACCAR power plants due to their low NOx emissions, low fuel consumption and longer service intervals. They can also be easily switched to new alternative fuels such as GTL and HVO, which helps to reduce further the ferry's carbon footprint.</p>	
<p>2022</p>	<p>DAF Trucks strengthens its position as the leading manufacturer of 'zero emission' vehicles with the launch of the New XD and XF Electric trucks. These innovative trucks feature completely new modular drivelines for 'zero emission' ranges from 200 to over 500 kilometres on a single charge. The DAF XD Electric and DAF XF Electric will become available as tractor and rigid models and can be ordered now.</p>	
<p>2022</p>	<p>DAF Trucks has commenced delivery of its zero emission LF Electric distribution trucks for use in urban areas. The first DAF LF Electric will be acquired by the Dutch logistics service provider Nabuurs, which will be using the truck to supply the hospitality establishments of the AB InBev brewing company in Groningen. In 2018 DAF was the first European truck manufacturer to introduce a fully electric truck to the market: the CF Electric. The CF Electric has a fully electric range of around 200 kilometres. Efficient planning and smart charging of the batteries enable customers to have their trucks cover up to 500 fully electric kilometres a day.</p>	
<p>2022</p>	<p>A DAF CF Electric with a 26-tonne GVW has become the first fully electric truck to tame Austria's highest mountain pass — the 48-kilometre Grossglockner High Alpine Road with 36 hairpin bends and 12% inclines. The accomplishment proves that zero-emission driving is also perfectly possible in mountainous areas.</p>	

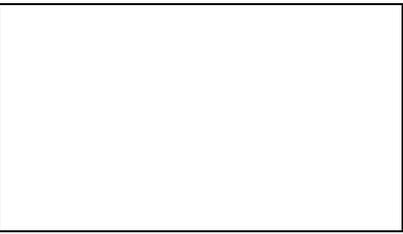
<p>2022</p>	<p>The leading Hungarian logistics provider Waberer's has selected DAF Trucks for the delivery of its first fully electric heavy-duty distribution vehicle. The DAF CF Electric tractor will clock up to 500 zero emission kilometers a day in and around Budapest. It is the first DAF CF Electric to be delivered in Central Europe. To minimise its emissions, Waberer's recently ordered 450 New Generation DAF XF tractors. With the new DAF CF Electric, Waberer's once again underlines the fact that it values the importance of reducing its environmental footprint.</p>	
<p>2022</p>	<p>DAF delivers five CF Electric tractors to Amazon UK. The vehicles will transport goods with zero tailpipe emissions. The five DAF CF Electric trucks are the first electric middle mile trucks Amazon is operating in Europe. The vehicles mark an important milestone towards the electrification of Amazon's fleet, forming part of Shipment Zero – Amazon's goal to deliver 50% of Amazon shipments with net-zero carbon by 2030. The five vehicles replace diesel trucks, resulting in up to 100,000 annual road miles fuelled with renewable electricity, preventing about 170 tonnes of CO2 being emitted.</p>	
<p>2021</p>	<p>At DAF Trucks in Eindhoven preparations are being made for the production of fully electric vehicles. With the production of electric vehicles set to increase in the coming years, DAF intends to build these electric trucks itself on site from start to finish. Thanks to the extremely successful partnership with VDL, DAF is now in a position to produce electric trucks on site in full compliance with the intentions declared by both parties at the start of the project.</p>	
<p>2021</p>	<p>At the Solutrans exhibition, in Lyon, France, DAF received the '2022 Truck Innovation Award' for the XF Innovation Truck with an internal combustion engine running on hydrogen.</p>	
<p>2021</p>	<p>At DAF in Eindhoven the series production of a new generation of trucks has been started. DAF is the first truck manufacturer to introduce to the market a completely new generation of trucks that has been developed in line with the new European regulations for truck masses and dimensions. By extending the front by 16 centimetres and paying maximum attention to aerodynamics, we have been able to achieve savings of 10% on fuel consumption and a similar reduction in CO2 emissions."</p>	

2021	<p>The UK government selects Leyland Trucks for electric truck trial. Leyland Trucks is to participate in a project designed to help UK operators make the transition to battery electric trucks. A total of 20 DAF LF Electric 19-tonne rigids, together with the required charging infrastructure, will be fitted with data logging equipment and used to support the UK Government's Department for Transport (DfT) efforts to encourage the use of battery electric vehicles in commercial transport.</p>	
2021	<p>Within less than a month after the official launch, DAF has already received over 1,000 customer orders for its New Generation XF, XG and XG+ trucks, the first trucks on the market to fully benefit from the New European Masses &amp; Dimensions regulations. Features like optimal radii, a tapered cab design, a curved windscreen and a 16 cm elongation at the front, have resulted in industry-leading aerodynamics. This contributes to an impressive improvement in fuel efficiency of up to 10%, with similar reductions in CO2.</p>	
2021	<p>DAF sets a new standard with an entirely new line up of trucks. The new XF, XG and XG+ offer the highest quality, 10% improved fuel efficiency, a full suite of passive and active safety features and the next level of luxury in truck design. DAF is the first manufacturer to create a truck line up that takes advantage of the new European masses and dimensions regulations. With its New generation of trucks, DAF is realizing an up to 10% higher fuel efficiency and an equivalent reduction in CO2 emissions.</p>	
2021	<p>DAF Trucks introduces a full range of high-end solutions to charge the batteries of the industry-leading LF Electric and CF Electric trucks, as well as other electric commercial vehicles, including vans. DAF Trucks offers a full range of fixed charging stations with power levels from 20 kW up to 360 kW. In addition, to provide maximum flexibility, mobile chargers with power levels from 24 kW up to 40 kW are available.</p>	

2021	<p>DAF Trucks introduces the LF Electric, a 19 tonne fully electric distribution truck for urban applications. The state-of-the-art vehicle offers a range of up to 280 kilometres. DAF is leading the way in electric powertrains for commercial vehicles. DAF was the first European truck manufacturer to commercialise a full electric tractor: the CF Electric (GCW up to 37 tonnes), primarily for supermarket distribution and inter-urban transportation. More recently, DAF expanded its EV range with the 6x2 CF Electric rigid with steered rear axle (GVW up to 29 tonnes design), ideal for ‘zero emission’ waste collection for example.</p>	
2020	<p>DAF Trucks is taking the next step in the development of electric drivelines by doubling the range of the DAF CF Electric with VDL E-Power technology to more than 200 kilometres. In addition, the introduction of a new generation of batteries means a weight reduction of 700 kg, which translates directly into higher payload.</p>	
2020	<p>As part of a field test comprising four comparable vehicles, the first DAF CF Electric 6x2 refuse collection truck has entered operations with Dutch public waste disposal firm ROVA. The vehicle features a zero-emission VDL electric powertrain alongside a fully electric VDL refuse collection superstructure. The vehicle will be operated by ROVA in the Dutch city of Zwolle.</p>	

2019	<p>DAF Trucks introduces its CF Electric with 6x2 rigid chassis. The first vehicles start their field test as garbage trucks by the Dutch public waste disposal firms HVC and ROVA.</p>	
2019	<p>The DAF CF Electric is awarded the Green Truck Logistics Solution 2019 award, a prestigious accolade for the deployment of promising upcoming technologies for innovative, sustainable logistics around Europe.</p>	
2019	<p>DAF Trucks delivers two fully electric trucks to Contargo in Germany. The DAF CF Electric - featuring E-Power Technology from VDL - is used for container transport around hinterland terminals in the German Lower Rhine area. The two trucks delivered to Contargo are the first DAFs CF Electric that are put into operation in Germany, and the 6<sup>th</sup> and 7<sup>th</sup> to take part in an extensive field test.</p>	
2019	<p>DAF Trucks hands over the first electric trucks to Simon Loos and Peter Appel Transport, carriers for the Dutch super market chain Albert Heijn. It is the start of a long-term field test involving three fully electric trucks and two plug-in hybrid trucks — with the latter marking a first in Europe.</p>	
2019	<p>DAF Trucks delivers a fully electric truck to Tinie Manders Transport in Geldrop, the Netherlands. The DAF CF Electric featuring E-Power Technology from VDL is used on behalf of DHL for shuttle services in the Eindhoven region.</p>	

2018	<p>DAF Trucks delivers its first fully electric truck to Dutch supermarket chain Jumbo. The CF Electric has been developed in a joint venture between DAF and VDL, and will be used by Jumbo to supply its supermarkets in the south of the Netherlands. Delivery of the fully electric DAF commercial vehicle marks the start of a series of long-term field tests using both fully electric and hybrid trucks.</p>	
2018	<p>As a leader in transport efficiency and environmental care, DAF Trucks is embracing the European regulation of CO<sub>2</sub> declaration for trucks leaving the production line from January 1, 2019. Ahead of the legal requirement, DAF starts communicating certified CO<sub>2</sub> values in the fourth quarter of 2018.</p>	
2018	<p>DAF Trucks and VDL announce a partnership to release a first series of CF Electric trucks into operation with leading customers in the course of this year. These field test trucks will be manufactured by DAF and the full electric installation will be completed by VDL Groep, demonstrating the strong cooperation between both companies in the field of electrification of commercial vehicles.</p>	
2017	<p>At the Commercial Vehicle Show in Birmingham, DAF introduced its new generation CF and XF trucks. Engine innovations, new drivelines and aerodynamic optimizations result in an up to 7% lower fuel consumption.</p>	

<p>2016</p>	<p>To underline DAF's aim to further strengthen its industry leading position in fuel efficiency and low CO<sup>2</sup> emissions, DAF presented one of DAF's Innovation trucks at the IAA in Hanover. The Innovation truck illustrated next generation technologies, such as hybridization and electrification.</p>	
<p>2016</p>	<p>DAF demonstrated technological leadership in the area of truck platooning during the European Truck Platooning Challenge, organized by the Dutch Ministry of Infrastructure &amp; Environment. The aim of the Challenge was to obtain the consent of individual governments to test on a large scale throughout Europe various truck combinations that are wirelessly connected. By using WiFi, radar and cameras, trucks following in the 'platoon', automatically accelerate, brake and, in the future, also steer. In due course fuel savings of up to 10% with equal reductions in CO<sub>2</sub> emissions will be possible.</p>	
<p>2015</p>	<p>DAF introduces the extra quiet LF, CF and XF 'Silent' models. When the special 'Silent Mode' is activated the engine software switches to a program that limits torque and engine speed. Gears are changed at lower engine speeds and also thanks to the encapsulation of the gearbox noise level remains even below 72 dB(A). This enables the operator to load and unload goods in areas where evening, night-time or early morning noise restrictions apply.</p>	
<p>2014</p>	<p>DAF introduces the LF Aerobody, a 12-tonne distribution truck delivered ex-works with an aerodynamic superstructure. Combined with a specially developed set of spoilers and fenders, a significant saving on both fuel consumption and CO<sub>2</sub> emissions can be realised in distribution transport applications.</p>	

2013	DAF Trucks unveils its versatile Euro 6 LF and CF truck models and the new, innovative Euro 6 PACCAR MX-11 engine. The Euro 6 LF and CF are developed for maximum transport efficiency, market-leading low operating costs and optimum vehicle performance.	
2012	At the IAA Nutzfahrzeuge in Hannover, DAF introduces its new flagship Euro 6 XF model, one and a half years before the new Euro 6 legislation comes into effect. DAF design criteria deliver maximum transport efficiency, resulting in industry leading low operating cost and optimized vehicle performance. The Euro 6 DAF XF includes a new chassis, a fuel efficient Euro 6 PACCAR MX engine, an aerodynamic exterior design and a modern spacious interior.	
2012	Introduction of the PACCAR MX-13 engine. This engine already complies with Euro 6 emissions legislation which comes into force in the EU on 1 January 2014. The 12.9 litre Euro 6 PACCAR MX-13 engine uses ultra-modern common rail technology, a turbo with variable geometry and advanced controls for maximum efficiency.	

2010	DAF starts production of the LF Hybrid distribution truck. It is driven by the diesel engine, the electric engine or a combination of both. Through DAF hybrid technology savings in fuel consumption and therefore CO <sub>2</sub> emissions of up to 20% can be achieved, depending on the application.	
2010	Again DAF underlines its leading position in the field of engine development by being the first truck manufacturer to offer its complete engine range in ultra-clean EEV versions.	
2008	The PACCAR MX engine is certified for EPA10, the severe emission requirements of the Environmental Protection Agency in the USA.	
2007	DAF starts production of ultra clean EEV-engines (Enhanced Environmentally-friendly Vehicles) for use in buses and coaches. By combining the DAF SCR Technology with a passive soot filter, a significant reduction is realised in the emission of particulate matter, resulting in values that were previously only thought possible with liquid gas engines.	
2006	At the IAA truck exhibition in Hannover, DAF presents a prototype of a hybrid truck, based on the LF distribution truck.	
2006	DAF announces the production of clean EEV (Enhanced Environmentally friendly Vehicles) engines. These engines will have even lower exhaust-gas emission values than those stipulated by the stringent Euro 5 standard coming into force in 2009.	
2006	Completely new product range that complies with Euro 4 and Euro 5 emission requirements.	
2005	Dow Energy Award for DAF Engine development in connection with the development of engines with low fuel consumption and low emissions.	
2004	At the IAA in Hanover, DAF announces the PACCAR MX engine that already complies with the Euro 4 and Euro 5 emission requirements, which will not be enforced until 2006 and 2009 respectively.	
2002	DAF introduces sorting guides for recycling plastic parts.	
2001	DAF develops the 'PIEK' prototype quiet tractor with a maximum noise level of 65 dB(A).	
2001	The introduction of the '4 Eco-points' truck for transport in and across Austria (4.1 g/kWh NO <sub>x</sub> instead of 5.0 g/kWh for Euro 3).	

1999	DAF introduces engines that comply with the Euro 3 emission standard, long before the standard is implemented in 2001.	
1995	The introduction of EcoDesign. This is the method used by DAF early on in the development stage to look for specific solutions that are not only good for the environment but also improve truck efficiency.	
1993	DAF introduces engines that comply with the Euro 2 emission standard, three years before it comes into force.	
1992	DAF is the first truck manufacturer to introduce engines that comply with the Euro 1 emission standard.	
1989	DAF is the first truck manufacturer to introduce vehicles with a maximum noise output of 80dB(A).	
1985	The introduction of Advanced Turbo Intercooling for even fewer emissions and lower fuel consumption.	
1973	DAF is the first truck manufacturer to apply intercooling for a higher output, fewer emissions and lower fuel consumption.	
1958	DAF is one of the first truck manufacturers to use turbo pressure filling for better engine performance with lower fuel consumption.	