Ford Transit Plug-in Hybrid - 1.0-litre EcoBoost as range extender

- Electrified Ford Transit van makes first public appearance ahead of London project designed to help improve city air quality
- Advanced plug-in hybrid design offers emission-free electric range of 50+ kilometres (31+ miles); uses multi-award winning Ford EcoBoost engine as a range extender
- London fleet trial supported by Transport for London and key city-based businesses; explores how telematics and geofencing technology can maximise clean air benefits
- Ford is Europe's No.1 selling commercial vehicle brand, and the first volume van maker to offer plug-in hybrid technology in this van market segment
- Ford is committed to providing customers with a comprehensive range of electrified vehicles; Transit Custom PHEV planned for 2019 commercial production

MILLBROOK, U.K., Sept. 6, 2017 – Ford's new plug-in hybrid electric (PHEV) Transit Custom van, designed to help improve local air quality by running solely on electric power for the majority of city trips, has made its dynamic debut at the Cenex Low Carbon Vehicle 2017 event in Millbrook, U.K.

The vehicle makes its first appearance as Ford prepares 20 PHEV Transits for the 12-month fleet customer trial in London that begins in late 2017, which will explore how the hybrid electric vans can contribute to cleaner air targets and enhanced productivity in city use – the toughest working environment for vehicles.

Scheduled for volume production in 2019 as part of Ford's global promise to provide customers with affordable and capable electric vehicles, the Transit Custom PHEV has an advanced hybrid system that targets a zero-emission range exceeding 50 kilometres (31 miles), and features the multi-award winning Ford EcoBoost 1.0-litre petrol engine as a range extender. The EcoBoost engine charges the on-board batteries when longer trips are required between charging stops, providing operators with outstanding efficiency and flexibility.

"For more than 50 years businesses have relied on Ford Transits to get the job done, and we are determined to maintain that tradition as we move into the electric age," said Mark Harvey, Director, urban electrified van programme, Ford of Europe. "Seeing the PHEV Transits on the road is an exciting milestone, and we look forward to teaming up with our London partners and customers to explore how these vans can reduce emissions and operator costs in the city."

Commercial vehicles in London make 280,000 journeys on a typical weekday, travelling a total distance of 8 million miles (13 million kilometres). Vans represent 75 per cent of peak freight traffic, with more than 7,000 vehicles per hour driving at peak times in Central London alone.

“Cleaner vans, like those being used in this trial, will be vital in helping the freight and fleet sector to reduce the emissions and play its part in tackling the Capital’s air quality crisis. We are also using the data from the trial, which will be an invaluable resource for our LoCITY programme that encourages commercial businesses to use greener vehicles,” said Lilli Matson, Transport for London’s Director of Transport Strategy.

The London fleet trial project is supported by Transport for London, and features a cross-section of city-based businesses,* including Metropolitan Police, that will integrate the vans into their day-to-day operations. To help understand how the benefits of electrified vehicles could be maximised, the 20 PHEV Transits will use an advanced telematics system to collect real-time data on the vans’ performance.

In addition, the vehicles will feature geofencing technology, which is capable of automatically modifying vehicle settings based on each van’s current location. This could be used, for example, to ensure the hybrid system is switched to electric-only mode when a vehicle enters a low-emission zone within an inner-city area.

Ford is the first volume manufacturer to offer PHEV technology in this segment of the van market. The technology enables the vehicle to be charged with mains electricity for zero-emission journeys, while the compact and fuel-efficient EcoBoost engine generates additional charge for the batteries when required. The Transit Custom PHEV uses a series-hybrid driveline configuration, with the vehicle’s wheels driven exclusively by an electric motor, rather than by the combustion engine.

The battery pack is a compact liquid-cooled lithium-ion design located under the load floor, preserving the full cargo volume offered by the standard Transit Custom van.

The PHEV approach provides city-based commercial vehicle operators with a range of benefits. In addition to the zero-emission capability exceeding 50 kilometres, the Transit Custom PHEV uses petrol fuel for a target total range of more than 500 kilometres (310 miles) to eliminate range anxiety. The PHEV also has an increased payload capacity compared to battery-only electric vehicles, and the ability to offer quick and easy recharging from a standard electricity supply.

Development of the 20 Transit Custom fleet trial vehicles has been supported by a £4.7 million grant from the U.K. Government-funded Advanced Propulsion Centre. The vans are being designed and engineered at Ford’s Dunton, U.K., technical centre, and at Prodrive Advanced Technology in Banbury, U.K., with programme support from Revolve Technologies.

Ford was Europe’s No.1 selling commercial vehicle brand in 2015 and 2016, and this year has strengthened its position with a 13.3 per cent share in July year-to-date. The Transit Custom PHEV van is part of Ford’s global electrification commitment. The automaker and mobility company has invested $4.5 billion to make electric vehicles that offer customers more capability, productivity and performance. Ford plans to introduce 13 new electrified vehicles globally in the next five years, including an all-electric small SUV to be sold in Europe, North America and Asia.

Ford also recently announced an ambitious China electrification strategy and confirmed that 70 per cent of all Ford vehicles sold in China will have electrified powertrain options by 2025. In August Ford signed a Memorandum of Understanding with nhui Zotye Automobile Co., Ltd., a

major manufacturer of zero-emission all-electric vehicles in China, to explore the launch of a new line of all-electric vehicles in the world's largest auto market.

In addition, Ford is undertaking a joint project with Deutsche Post DHL Group to produce electric delivery vans (e-vans), becoming Europe's largest manufacturer of medium-sized e-vans with 2,500 vehicles built by the end of 2018. The StreetScooter WORK XL is based on a Ford Transit chassis fitted with a battery-electric drivetrain and a body designed and built to Deutsche Post DHL specifications.

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* Confirmed participating company fleets (1 vehicle unless stated otherwise):

- Addison Lee
- Autoglass
- British Gas
- BSkyB
- Clancy Plant
- DPD
- Heathrow Airport
- Kier
- Mears
- Metropolitan Police (2 vehicles)
- Morrison Utility Services
- Speedy Services
- Transport for London (3 vehicles)

About Ford Motor Company
Ford Motor Company is a global company based in Dearborn, Michigan. The company designs, manufactures, markets and services a full line of Ford cars, trucks, SUVs, electrified vehicles and Lincoln luxury vehicles, provides financial services through Ford Motor Credit Company and is pursuing leadership positions in electrification, autonomous vehicles and mobility solutions. Ford employs approximately 203,000 people worldwide. For more information regarding Ford, its products and Ford Motor Credit Company, please visit www.corporate.ford.com.

***Ford of Europe** is responsible for producing, selling and servicing Ford brand vehicles in 50 individual markets and employs approximately 52,000 employees at its wholly owned facilities and approximately 66,000 people when joint ventures and unconsolidated businesses are included. In addition to Ford Motor Credit Company, Ford Europe operations include Ford Customer Service Division and 24 manufacturing facilities (16 wholly owned or consolidated joint venture facilities and eight unconsolidated joint venture facilities). The first Ford cars were shipped to Europe in 1903 – the same year Ford Motor Company was founded. European production started in 1911.*

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FORD TRANSIT CUSTOM PHEV

PLUG-IN HYBRID
ELECTRIC VEHICLE

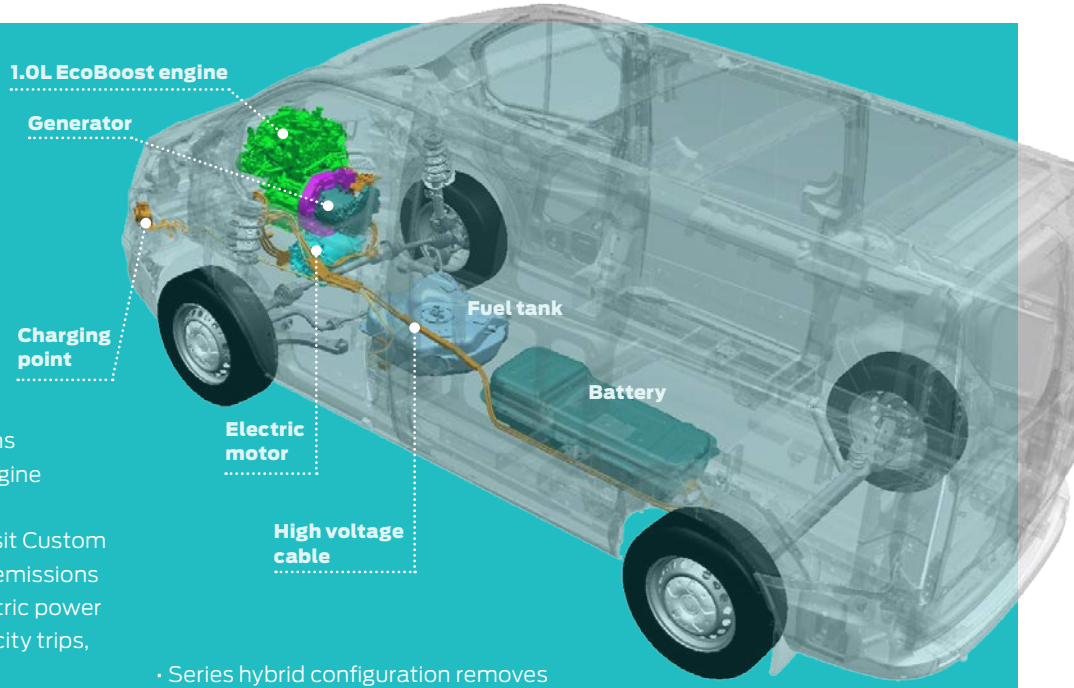
Ford is conducting a trial of 20 Transit Custom plug-in hybrid vans (PHEV) in London, U.K., to explore how they could support cleaner air targets, whilst boosting productivity for operators in urban conditions

PLUG-IN HYBRID (SERIES) – Transit Custom PHEV

DRIVE:
Electric motor

POWER SOURCE:
Battery – charged by mains electricity, combustion engine

- Ford's series hybrid Transit Custom PHEVs can reduce local emissions by running solely on electric power for the majority of inner-city trips, with a targeted range of 50 kilometres (31 miles)
- Equipped with range extenders, the fleet is not limited by battery range, making them capable of longer journeys



- Series hybrid configuration removes the need for a more complicated transmission and enables a smaller internal combustion engine to be used – in this case Ford's multi-award-winning 1.0-litre EcoBoost petrol engine
- The result is optimised weight for enhanced energy and fuel efficiency, with minimal impact on load capacity

HYBRID (PARALLEL) – Mondeo Hybrid

DRIVE:
Combustion engine, electric motor, combination of both

POWER SOURCE:
Combustion engine. Battery – charged by combustion engine, regenerative braking

PLUG-IN HYBRID (PARALLEL) – C-MAX Energi

DRIVE:
Combustion engine, electric motor, combination of both

POWER SOURCE:
Combustion engine. Battery – charged by mains electricity, combustion engine, regenerative braking

FULL ELECTRIC – Focus Electric

DRIVE:
Electric motor

POWER SOURCE:
Battery – charged by mains electricity

FORD **SMART MOBILITY**

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