



DHL develops supply chain for Castrol's new oil change technology NEXCEL

- **DHL and Castrol agree on joint development of supply chain for automotive industry and aftersales market**
- **Quick and clean oil change technology aims to reduce tailpipe CO₂ emissions and reinvents conventional oil change procedure**

Bonn, May 22, 2017: DHL, the world's leading logistics provider, will develop the supply chain for Castrol's new cellular oil system technology NEXCEL, together with the global brand of industrial and automotive lubricants, part of BP. DHL is responsible for connecting the company with the automotive industry and its aftersales market and will develop a global supply chain strategy for NEXCEL. The new technology is intended to replace conventional oil change by simplifying the process and facilitating the collection and recycling of used engine oil.

"Based on our established supply chain expertise, we aim to provide high service delivery capability, balanced with cost and working capital optimization to support NEXCEL's rollout," explains Steve Harley, President Energy Sector, DHL Customer Solutions & Innovation. "With this new agreement, we are building on the existing relationship with BP and we are proud that our expertise will support the launch of a sustainable, fair and potentially profitable service for both consumers and businesses within the automotive sector."

DHL Supply Chain's Lead Logistics Provider (LLP) team in the United Kingdom will develop the supply chain ecosystem for NEXCEL, connecting top manufacturers, third-party logistics providers, NEXCEL customers and the NEXCEL business systems to support the launch and sell-off of the new product. The team will develop a blueprint of a proposed supply chain as well as a supporting technology platform, which is going to outline potential scenarios revolving around OEMs, geographies and predicted NEXCEL growth. The team will also incorporate the expertise of other DHL business units, such as DHL Global Forwarding and DHL Express, to ensure the delivery of an optimal end-to-end global solution.

The NEXCEL oil cell is an easy-to-change unit containing both engine oil and filter. It can be easily integrated under the hood of a car and changes oil and filter in one quick and clean step within only 90 seconds, rather than the typical 20 minutes. NEXCEL will improve vehicle servicing and increase recycling of used oil. The first vehicle featuring the technology as



standard is the Aston Martin Vulcan – a track-only supercar.

“DHL’s impressive track record in designing, implementing and operating automotive supply chains on a global level combined with our long-term relationship makes them a natural choice. Both DHL and BP are actively engaged in the development of environmentally friendly and forward looking solutions and thus are a perfect fit,” reasons Mark Atkinson, Castrol’s Global Logistics Category Manager.

DHL already provides a wide range of logistics services to BP in their upstream and downstream businesses. These include international logistics in Angola, Egypt, Iraq, the US and Azerbaijan, as well as fuel transportation and retail fulfillment services in Great Britain and a variety of other road, air and ocean transportation and warehousing services in many countries around the world.

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You can find the press release for download as well as further information on <http://www.dpdhl.com/pressreleases>

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commitment to corporate responsibility and an unrivalled presence in developing markets, DHL is decisively positioned as “The logistics company for the world”.

DHL is part of Deutsche Post DHL Group. The Group generated revenues of more than 57 billion euros in 2016.

NEXCEL Background Information

NEXCEL is a self-contained, sealed cell that contains the correct grade of oil and specification of filter. Designed for flexible installation anywhere in the engine bay via a docking station, it is managed by a dedicated electronic control unit that communicates with the vehicle via the standard databus. An electric pump controls the flow of oil between the engine sump and the remote cell and an oil analysis capability can be integrated. By reducing the volume of oil in the engine, the NEXCEL system allows faster warm-up, which will increase occupant comfort and reduce emissions during typical shorter real-world journeys.

Containing the oil within a sealed cell also makes recycling of old oil a much more practical option because it eliminates contamination by other fluids during the drain and recovery operation. NEXCEL units can remain sealed up to the point of re-refining, allowing the oil to be returned to its original specification. Changing the cell takes just 90 seconds and can be achieved entirely from above, releasing the packaging volume protected for a traditional filter and the space required to remove it during servicing. For garages, the benefits also include the elimination of spills and greatly simplified oil recovery. NEXCEL’s closed ecosystem, with garages incentivised to return the used cells, will help to eliminate the one third of drained engine oil (worldwide) that currently disappears into the environment.