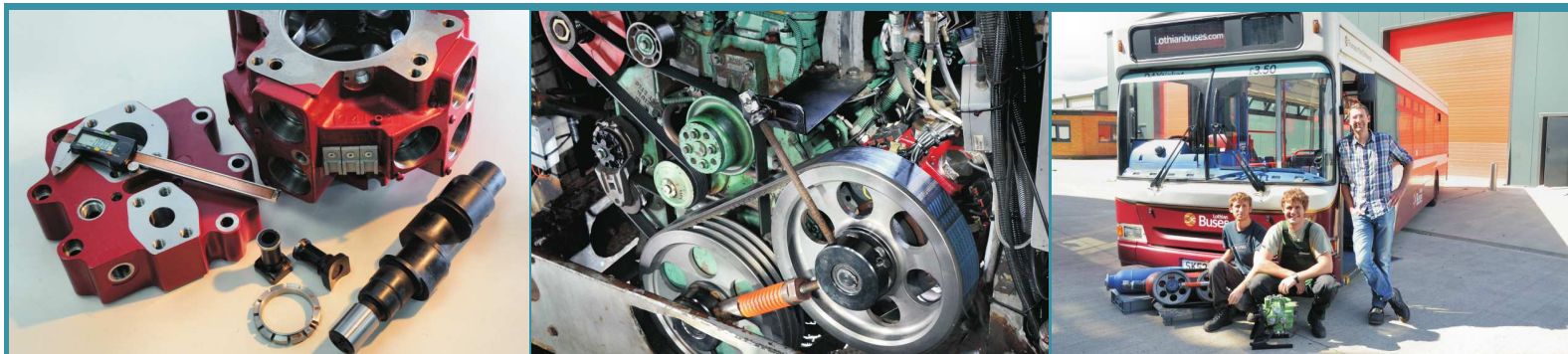


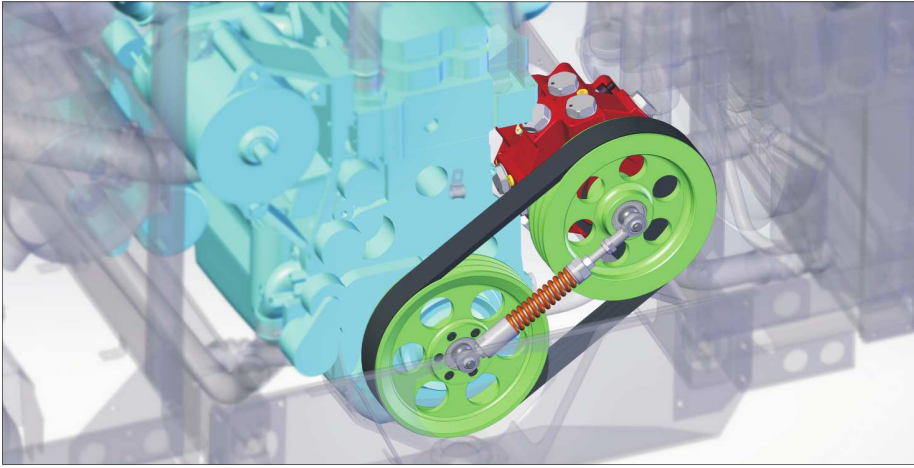
# Hydraulic parallel-hybrid



Digital Displacement<sup>®</sup> technology

Hydraulic parallel-hybrid bus retrofit

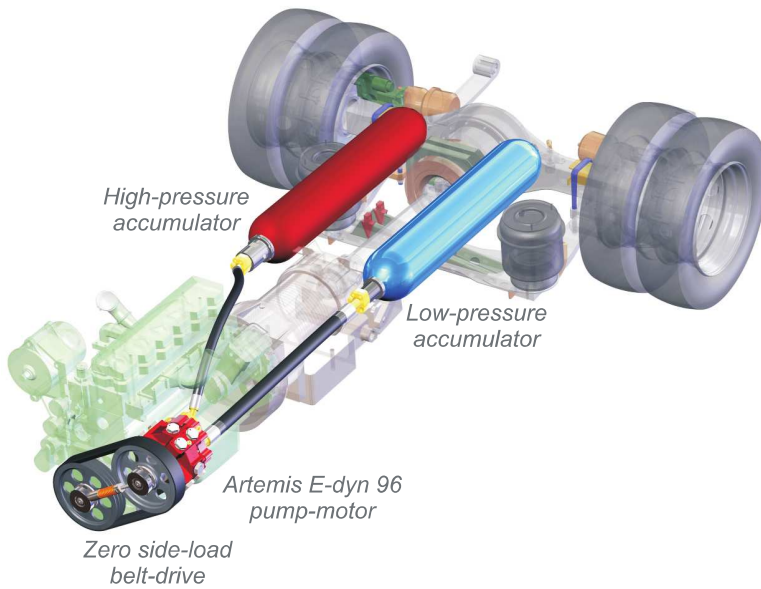
leading hydraulic power into the DIGITAL age



Hybrids capture braking energy and use it to help the engine to burn less fuel and produce less carbon. The Artemis system is different because it uses a Digital Displacement® pump-motor to raise the performance way above any other hydraulic system and lower the cost way below other electric systems.

We used a Euro III Dart as the target vehicle for the first retrofit system and are now designing an OEM version for modern Euro VI vehicles. The Artemis hybrid saves up to 25% of fuel on a typical urban bus and offers a subsidy free payback time of around two years of typical operation.

Its design is based on in-service data logging, comprehensive engine fuelling studies and on the development of completely new hydraulic components.



- *Retrofittable hydraulic hybrid*
- *Saves up to 25% of fuel*
- *Two year subsidy-free payback*



**Innovate UK**  
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**ALEXANDER DENNIS**

Partners to Artemis in the development of the Digital Displacement® parallel hybrid bus transmission



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