



**Hybrid-electric vehicles** | a clean way forward





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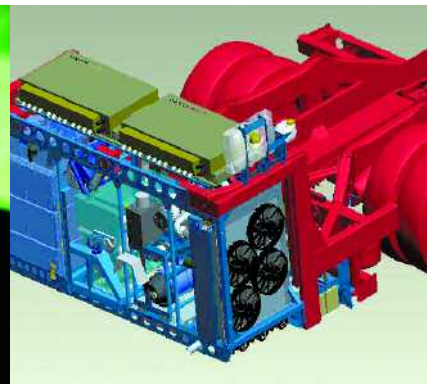
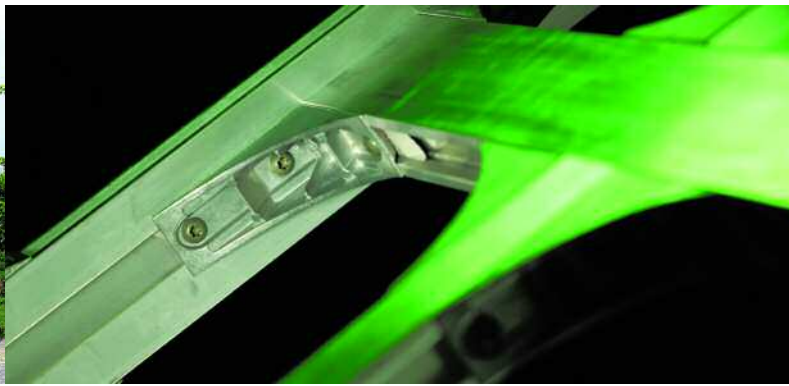
With increasing concerns throughout our society about pollution and its implications on health and global warming, Wrightbus has taken the lead in the development of a range of passenger transport vehicles which feature environmentally friendly, advanced hybrid-electric drivelines.

Working in close technical partnership with acknowledged leaders in the field and building on our extensive practical experience with the first hybrid-electric buses to enter fare paying service in London - Wrightbus has developed a new generation of Hybrid Electric Vehicles (HEVs) to complement its existing diesel powered product range.

## **The facts** | impressive and clear

The potential environmental benefits hybrid-electric technology can deliver are remarkable. In-service trials with single deck hybrid-electric vehicles have been able to show dramatically improved emissions, with reductions of up to 89% NOx, 83% CO and 38% CO2 compared with a conventionally diesel powered bus (source: Millbrook test data).

However, the benefits are not just environmental. The electric driveline ensures quiet acceleration, significantly reducing noise levels, whilst providing a smooth and comfortable travel experience for passengers.



## **The range** | established and proven

The new generation of Wrightbus HEV will be progressively made available across the existing model range. The first model to be introduced in 2007 will be the Double Deck Wrightbus Gemini HEV, followed by the highly acclaimed StreetCar RTV commissioned for US operations.

Based on the renowned Wrightbus design, the bodywork of all hybrid-electric vehicles is manufactured from our patented aluminium structure, Aluminique™. The modular aluminium construction system is immensely strong, lightweight and durable. The commonality with conventional, fully diesel powered models also facilitates a smooth integration into fleets which already operate a number of Wrightbus products.

A range of bespoke hybrid underframes has been developed for Wrightbus by leading European chassis manufacturers, optimised to ensure that the complete vehicle packaging reflects the full potential of the hybrid driveline.

## **The technology** | innovative and effective

This exciting new technology harnesses the energy generated by a compact and efficient common-rail diesel engine and the regenerative braking in a pack of high performance batteries. The accumulated power drives electric traction motors. The resultant fuel economy is impressive, and the driveline components are proven through service throughout the world.



## **The support** | comprehensive and accessible

All our hybrid-electric vehicles are fully supported by The Wright Group's after sales division, Customcare. For large fleets, dedicated Customer Support Units can be set up to stock unique hybrid parts, ensuring there is an immediate supply in order to maximise vehicle uptime.

Customcare also provides bespoke hybrid vehicle manuals, technician training and covers all aspects of warranty administration and repairs.



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