Wrights Hybrid

Hybrid powered buses are now an increasingly familiar sight on our roads. An early pioneer in hybrid technology, over 700 Wrightbus hybrids are in service or on order in Europe and beyond.

Today the Wrightbus hybrid vehicle choice extends beyond our Double Deck and StreetCar model ranges, with a “Flybrid” option now developed for the StreetLite midi range.

- The Wrightbus hybrid system consists of a generator directly coupled to an efficient diesel engine, electric drive motor and high voltage battery pack
- The engine/generator package operates independently of the motor/driving axle, eliminating the need for a traditional gearbox and enhancing system efficiency
- The vehicle control system communicates directly with all system controllers, to optimise vehicle performance and maximise fuel efficiency in all road conditions
- Stop/start engine technology reduces the time the engine spends unnecessarily idling at low speeds and utilises the high voltage battery pack to launch the vehicle in electric mode, which has a dramatic effect on both fuel consumption and environmental performance
- The use of advanced battery technology enables the vehicle to operate in zero emission mode for short distances, allowing vehicles to operate in areas with low or zero emission standards

“The Wrightbus hybrid double deck features a combination of a 4.5-litre diesel engine and an electric motor powered by a lithium-ion battery.”