

ENVIRO350H



**ALEXANDER
DENNIS**

**HYBRID
TECHNOLOGY**

Innovation at its best

The Alexander Dennis Enviro350H is a 19 tonne hybrid-electric bus chassis, purpose designed and engineered for world markets. It uses hybrid technology that is well proven in service and is in full production today.

Enviro350H promises fuel savings and CO₂ reductions of between 30% and 40%, reduces maintenance and provides exceptional passenger capacity and comfort.

Enviro350H combines a proven and reliable hybrid powertrain with innovative packaging that offers unrivalled passenger space and a wide choice of seating and door layouts.

Purpose designed as a fuel-efficient hybrid

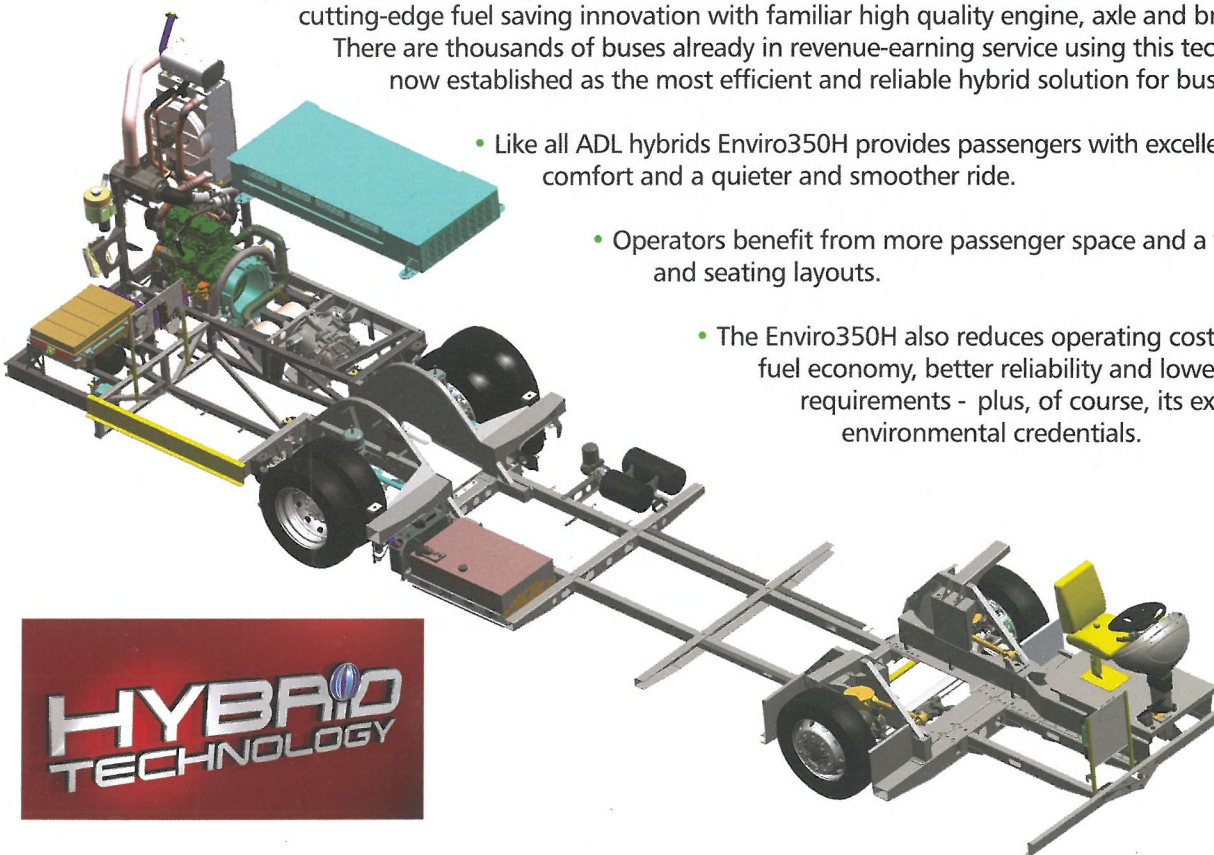
The all-new super low floor chassis has been purpose-designed as a hybrid and the power units are carefully packaged to take up the minimum space, yet remain easily accessible for routine maintenance and repair. This unique packaging also makes Enviro350H suitable for one or two layouts or three doors for some markets.

- Enviro350H uses well proven 'series' hybrid technology developed by Alexander Dennis Limited (ADL) in partnership with BAE Systems - one of the world's foremost technology businesses. This brings together cutting-edge fuel saving innovation with familiar high quality engine, axle and braking components. There are thousands of buses already in revenue-earning service using this technology, which is now established as the most efficient and reliable hybrid solution for bus operations.

- Like all ADL hybrids Enviro350H provides passengers with excellent access, improved comfort and a quieter and smoother ride.

- Operators benefit from more passenger space and a wide choice of door and seating layouts.

- The Enviro350H also reduces operating costs through improved fuel economy, better reliability and lower maintenance requirements - plus, of course, its exceptional environmental credentials.







Tata Hispano Area bodywork - a new concept of urban mobility

Enviro350H is marketed in partnership with Tata Hispano - one of Europe's leading bus bodybuilders. Tata Hispano's futuristic new Area body perfectly complements Enviro350H's advanced technology providing a new concept of style, comfort and accessibility in urban mobility.

The cutting-edge and elegant design themes incorporated throughout provide an attractive new interior and exterior style.

Area is distinctive yet practical offering exceptional comfort, passenger accessibility and excellent maintainability and there's a door and seating layout choice for any operation.



The most efficient hybrid solution

The hybrid technology designed into Enviro350H is the same 'green' propulsion system that has been so successful in revenue-earning service in North America and Europe.

Produced by BAE Systems in partnership with ADL, it is the result of millions of kilometres of in-service operations.

HYBRID TECHNOLOGY

- **Lower emissions** - Producing between 30-40% less CO₂, fewer particulates and less NOx.
- **Guaranteed improved fuel economy** - ADL guarantees fuel savings for its hybrids compared to equivalent diesels.
- **Smoother performance** - The Enviro350H electric powertrain is precisely controlled to provide smoother acceleration and an enhanced passenger experience.
- **Optimises environmental and road performance** - The operator can specify the optimum performance and economy parameters for any route.
- **Quieter operation** - Lower exterior and interior noise levels thanks to electric energy driving the bus.
- **Reliable & proven in service** - There are thousands of buses using this technology in revenue-earning operations, and the system has proven to be highly reliable and durable.
- **Low maintenance conventional installation** - The conventional Cummins ISBe high efficiency diesel with conventional drives for the air compressor, hydraulics and alternator promises years of reliable and low maintenance service.
- **Fleet integration** - ADL hybrids use familiar engine, axle and other powertrain units. During extensive trials in London, ADL hybrids were found to require no more maintenance and achieved better availability than the conventional buses they were operating alongside.
- **Lithium Ion batteries** - High power, long life Lithium Ion batteries have a typical life of around five years. They're the lightest batteries available, allowing greater passenger capacity and **DO NOT NEED MAINS BATTERY RECHARGING.**



Europe's best selling hybrid bus range

With their clear economic and environmental advantages, ADL's Enviro single deck, midi and double deck hybrids have become Europe's best selling hybrid range.

Already a familiar sight on the streets of many towns and cities, they are set to change the transport landscape across the world.

Enviro400H

The Enviro400H double deck hybrid joins the hugely successful Enviro400 range of stylish and innovative double deck buses.

- Super low floor double deck bus
- Overall length 10.2m - 11.4m
- 67 - 80 seats
- Single or two door options
- Excellent passenger access
- Modern and welcoming interior



Enviro200H

Enviro200H is an integral part of the pioneering range of versatile Enviro200 midibuses.

- Super low floor single deck midibus
- Overall length 8.9m - 11.3m
- 26 - 40 seats
- Single or two door options
- High levels of passenger comfort
- Low operating costs



Enviro350H

The Enviro350H single deck hybrid is purpose designed for European single deck urban operation.

- Super low floor single deck bus
- Overall length 12m
- 29 - 35 seats
- Single, two door or three door options
- Excellent passenger access
- Modern and welcoming interior

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