

The technology to
change your world.



WRIGHT

A zero-emission transformation

Bamford Bus Company LTD, has a unique customer proposition and given our scale and leading position, we are better placed than any other supplier to help transport operators transition to zero emission. The company is split across 3 core divisions: Finance, Infrastructure and Manufacturing.

Wrightbus is an award-winning OEM Supplier that is headquartered in Northern Ireland with established satellite offices in England and Malaysia to support our global operations. The business is now setting the standard for zero emission buses having over the last 77 years proved to be a trusted manufacturer of delivering iconic and reliable diesel buses. The world's first Hydrogen double-deck bus was launched by Wrightbus in 2020, and our Battery-Electric double-deck bus; the most energy-efficient Battery Electric bus in the world was unveiled in 2022.

Wrightbus is expanding its portfolio of cutting-edge, zero-emission products. In 2022, the business launched a new European-compliant single-deck Battery Electric and Hydrogen Fuel Cell bus. To manage this, a state-of-the-art performance center and satellite office in Cologne, Germany is being established, supporting both jobs and suppliers in the region.

In 2021, Wrightbus debuted a new AI-driven Telematic System to help operators attain greater transparency of their fleet and support the day-day management of fleet maintenance.

A new AI-driven, best in industry, telematics system has also been launched, to support fleet operators with servicing and maintenance.

Bamford Bus Company LTD owns three other globally recognized brands in addition to the group's manufacturing division to support and facilitate the shift to zero emissions:

RYZE Hydrogen, a company that sells hydrogen.

HYGEN Energy is a clean hydrogen generation company.

FUZE Finance, a company that offers financial services and products to make the transition to zero-emission fleets easier.



Meet the Kite Hydroliner.

Building on the success of the StreetDeck Hydroliner, in September 2021, Wrightbus unveiled the Kite Hydroliner, which redefines industry standards in zero-emission public transportation.

This ground-breaking bus produces zero-emissions and so is less damaging to the environment, with water being the only by-product. The vehicle has achieved the greatest levels of passenger safety and has earned European Whole Vehicle Type Approval.

Key features include:

- Available with industry leading repair and maintenance and warranty packages.
- Best-In-Industry range of up to 720km.
- A fully flat saloon floor throughout.
- Fully refuelled in under 8minutes.
- Manufactured using key components from tier 1 global suppliers including Ballard & Voith.

We provide a broad range of design standards, as well as contemporary and cutting-edge options to enhance and meet operational needs, including a best-in-class Telematic solution.

Welcome to the cleaner and quieter way to travel. Now a bus journey doesn't cost the earth with the new Kite Hydroliner.



Meet the Kite Electroliner.

The Kite Electroliner shares the same design as the StreetDeck Electroliner; the most efficient Battery Electric bus in the world, and can benefit from its features and performance characteristics that set it apart in its class

- Best in class rapid charge time of just 2 ½ hours.
- Plug-In charge rate of up to 150kW.
- Pantograph charging up to 360kW.
- Complete low floor throughout the saloon, providing a best-in-class spacious environment.
- Industry leading warranty offering including up to 15 Year Battery Capacity warranty.
- Option of either 340kWh or 454kWh means the Kite Electroliner can achieve up to 480km of range.

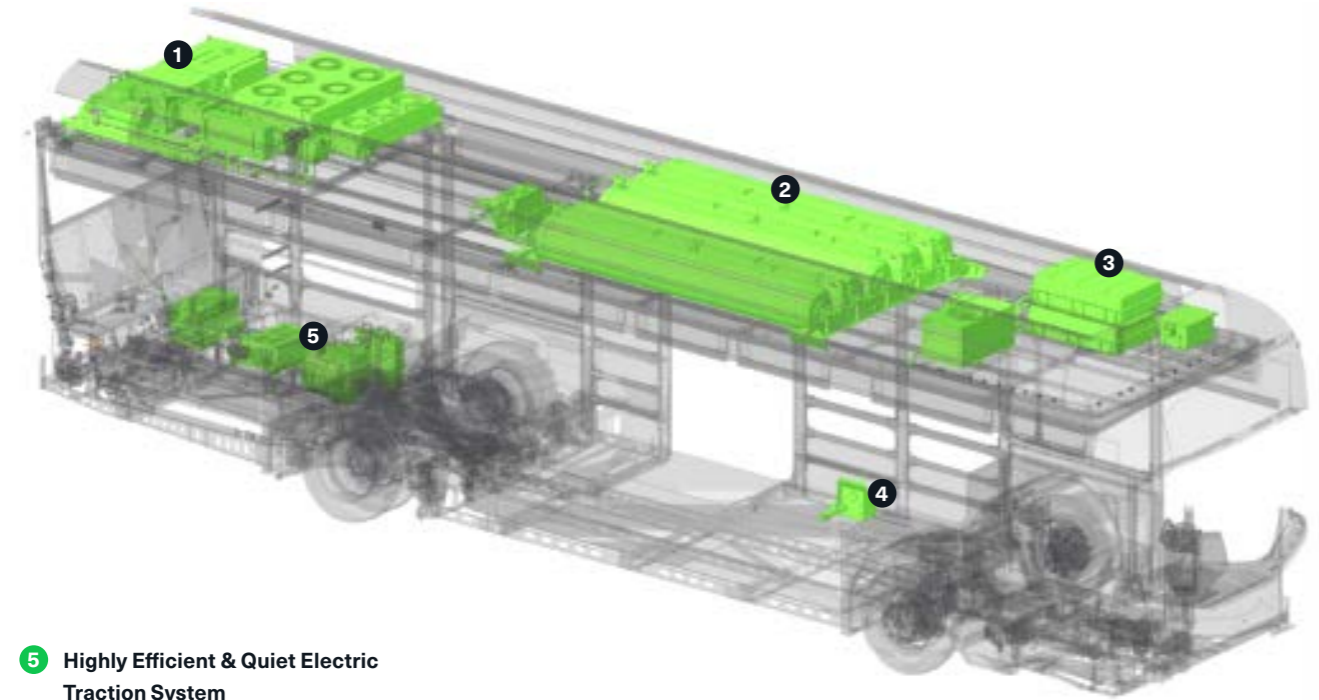
The Kite Electroliner is VDV compliant and has achieved European Whole Vehicle Type Approval.

The single-deck battery electric bus of the future has arrived.



Hydrogen Fuel Cell

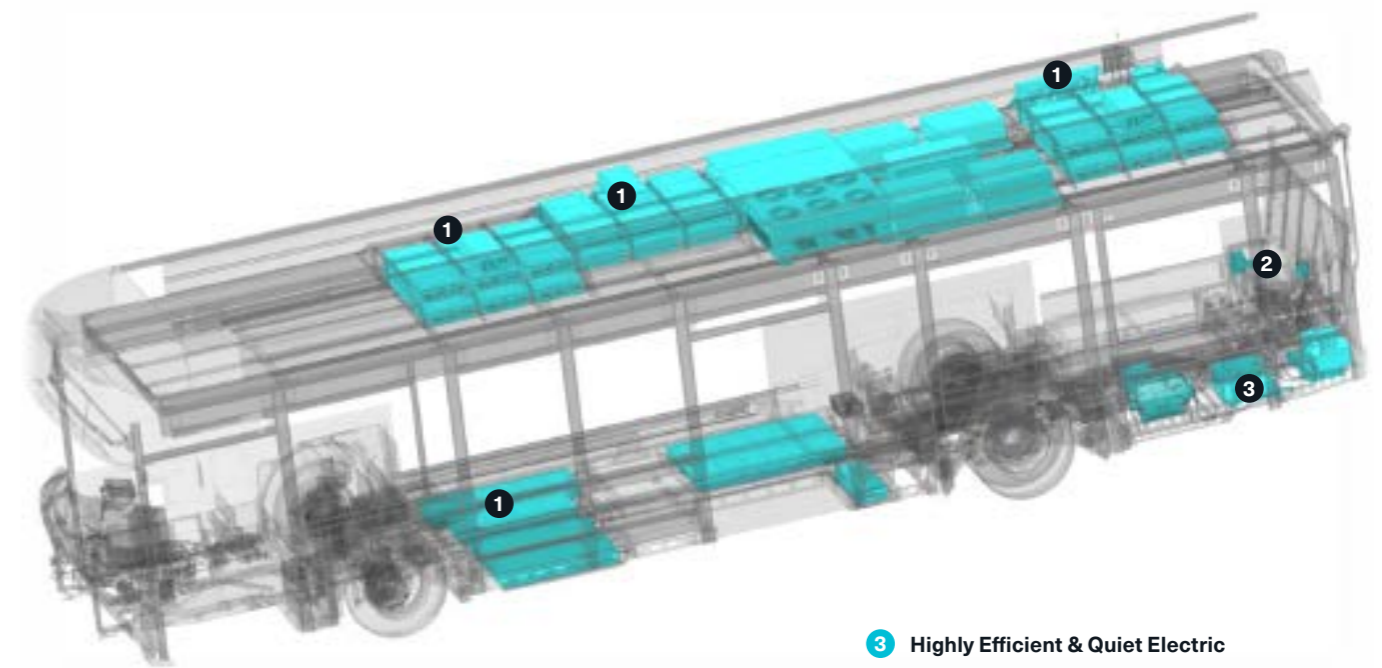
- 1 Next Generation Fuel Cell**
- Option of 70kW or 100kW Ballard Fuel Cell
- 2 350 Bar H₂ Storage Tanks**
- 32kg H₂ providing a range of up to 640km
- 3 Traction Battery**
- Microvast
- 54kWh Capacity.
- 4 Refuelling point**
- Fully refuelled in under 8 minutes



- 5 Highly Efficient & Quiet Electric Traction System**
- Utilizes the next-generation Voith Electrical Drive System.

Battery-Electric

- 1 High-Capacity Traction Batteries**
340kWh = 240km of range
454kWh = 480km of range
- 2 CCS 2.0 Charge point**
- Industry Standard Charge Point System
- Plug-In charge rate of up to 150kW providing a full charge in 2 ½ hours



- 3 Highly Efficient & Quiet Electric Traction System**
- Utilizes the next-generation Voith Electrical Drive System.

Telematics. We keep your buses running more efficiently and for longer.

AllServiceOne UPTIME 365, does exactly as the name suggests. It keeps bus fleets at peak performance and offers a clearer understanding of their operation and availability

The AI-based system provides real-time predictive data analysis, and can alert when a bus needs preventive intervention, saving on maintenance costs.

ASO UPTIME 365 Key Features:

- All Fleet, Age and Technology Compatible
- Predictive maintenance
- Realtime AI technology that learns for itself - 5,000 sensors monitor performance
- Reduce downtime and lower costs
- Reduced on road breakdowns
- Visual Fleet Management

Stay up and running for longer with our advanced telematic systems.



Expert after sales support. We're always there for you.

Our top-tier engineers create every bus model with serviceability a key priority. Your fleet will be able to operate at its peak efficiency when combined with remote diagnostics and over-the-air software updates that continuously enhance vehicle performance.

When vehicle servicing and maintenance is necessary, ASO Parts & Service are the experts and know your Wrightbus model better than anyone. The goal of ASO Parts & Service is to restore your fleet to its highest level of operational efficiency.

- Our dedicated team of expert engineers, who have first-hand experience in the design and production of our vehicles, immediately receive notifications of events via our on-board AI telematic system.
- ASO Support 365 Mobile Service Engineers can complete the majority of repairs and service onsite, but on the occasions where this isn't possible, they can often identify and pre diagnose repairs for faster service when the vehicle arrives in our Rapid Repair Centre in Cologne, Germany.
- You can schedule service calls, report defects, and order parts using the ASO Parts & Service app, which eliminates the need to wait on hold. We have a dedicated service telephony hotline available if you would rather speak to someone.
- Our teams of Master Technicians are embedded locally to support customers at their premises.

Our team's commitment and expertise help keep your buses running even smoother.



Superior spare parts that make us a part of your success.

Keeping your fleet on the road is integral to your business success and ensuring your satisfaction is integral to ours. That's why we are committed to providing only the highest quality parts, as well as exceptional parts support. Our parts aftermarket programme is designed to keep your bus reliable and efficient for its entire lifespan, and includes:

- All parts supplied are guaranteed for a minimum of 12 months.
- Comprehensive stock of parts for immediate delivery tailored to our customers' needs.
- Dedicated Technical Support via email, helpline, and online & mobile friendly service portal.
- Full vehicle refurbishment to extend vehicle life through our Rapid Repair Centre based in Cologne, Germany.
- Guaranteed parts supply for all body or chassis products via a centralised parts distribution centre.
- Parts assurance packages tailored to the needs of the customer.
- Repair and maintenance contracts tailored to your requirements, including supply and fitment of parts.

Become a part of the AllServiceOne family – and we'll set you apart from the rest.



For more information contact:

Wrightbus International
Parts & Service Head Office

T: +442825641212

JCB Vertrieb & Service GmbH

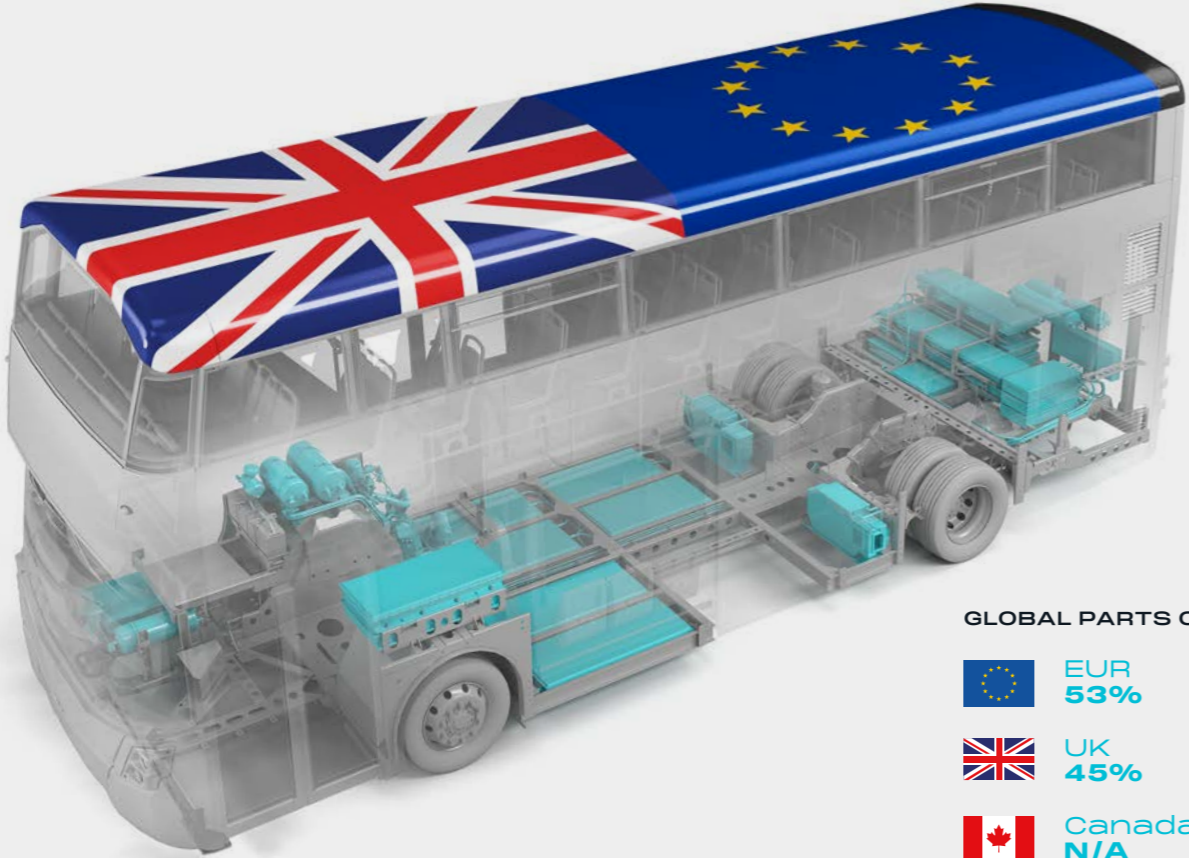
T: +492234948470

Our buses may travel thousands of miles, but our parts don't.





Wrightbus sourcing strategy ensures we buy the best and buy 'local' as much as possible to reduce our manufacturing carbon footprint. Transformation of the transport industry to zero-emissions is also

creating job opportunities in UK and EU across our supply chain network. Green jobs and green parts are an essential part of delivering a zero-emission business.

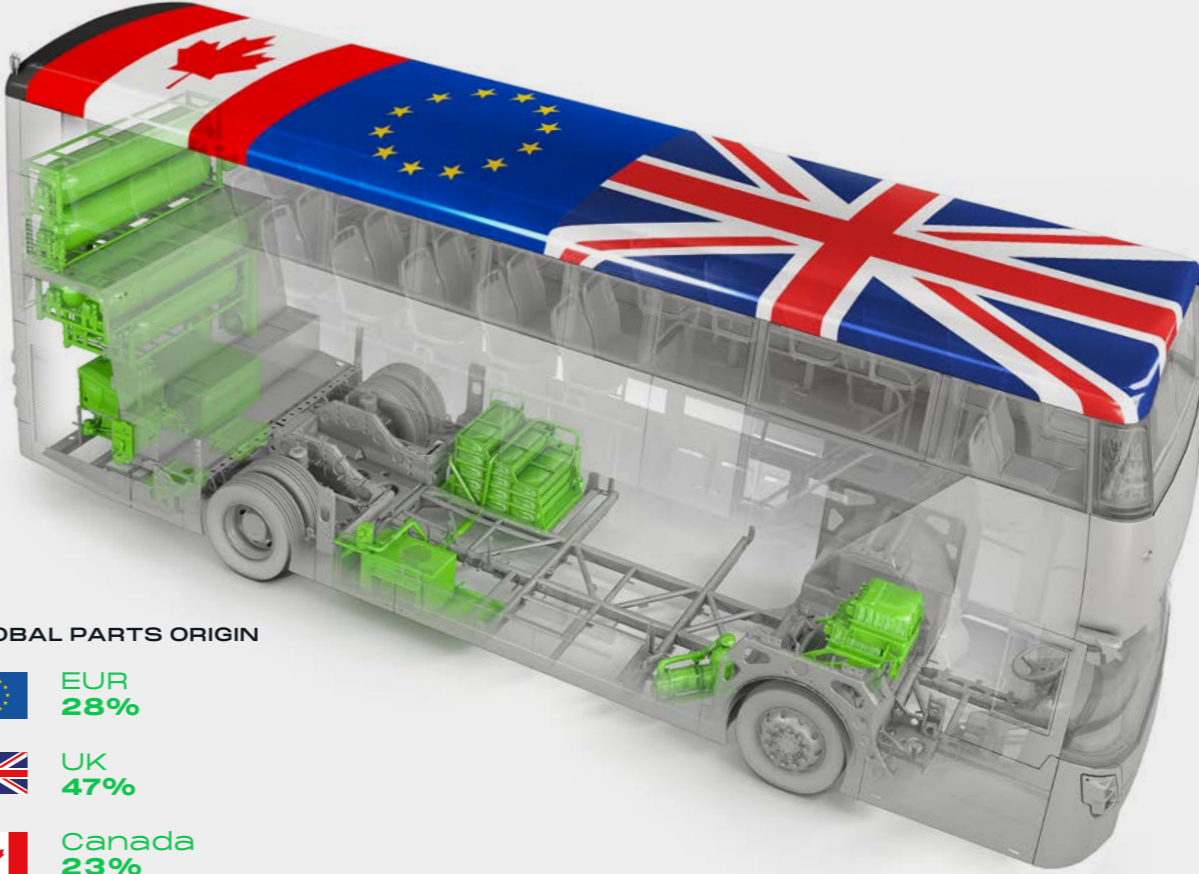
ELECTROLINER







GLOBAL PARTS ORIGIN

-  **EUR**
53%
-  **UK**
45%
-  **Canada**
N/A
-  **Other**
2%

HYDROLINER



GLOBAL PARTS ORIGIN

-  **EUR**
28%
-  **UK**
47%
-  **Canada**
23%
-  **Other**
2%

SPECIFICATION

KITE DF FCEV | HYDROLINER

Accessibility

- 1 or 2 door option available
- Wheelchair compliant via electronic or manual ramp

Axle

- Front axle – ZF RL 82 EC
- Rear axle – ZF AV 133

Battery System

- Microvast x2 MV – C Modules
- 54kWh Capacity

Dimensions (MM / 10.9 / 11.6 / 12.5)

- Height: 3,380 / 3,380 / 3,380
- Length: 10,947 / 11,667 / 12,469
- Overhang front: 2,952 / 2,952 / 2,952
- Overhang rear: 2,648 / 2,648 / 3,450
- Wheelbase: 5,347 / 6,067 / 6,067
- Width: 2,520 / 2,520 / 2,520

Fuel Cell Module

- Ballard FCmove
- Option of 70kW or 100kW Fuel Cell Module.

Gross Vehicle Weight

- 19,500kg

Hydrogen Storage

- Filling Pressure: 350 Bar.
- 32kg stored Hydrogen via a 4 Cylinder Tank configuration
- Hydrogen Storage utilizing a 5 Cylinder configuration – 40kg
- Hydrogen Storage utilizing a 7 Cylinder configuration – 50kg

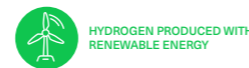
Hydrogen Safety

The Kite Hydroliner adheres to all industry safety standards and has successfully tested the vehicle on and not limited to the following:

- Accelerated Stress Rapture Test
- Extreme Temperature Pressure Cycle Test
- Hydraulic Test
- Hydrogen quality is aligned to ISO14687 or SAE Specification
- Penetration Test, Chemical Exposure and Composite Flaw Testing
- Storage Tank Testing

Legislative Compliance

- European Whole Vehicle Type Approval
- VDV Compliant



Optional Specification Items

Wrightbus are able to offer a range of specification items that include but not limited to:

- Additional Hydrogen Storage Tanks
- Alloy Wheels
- Camera Mirror Systems
- CCTV Systems
- Destination Equipment & Next Stop Announcement Systems
- Drivers Cab Air Conditioning
- Fire Suppression Systems
- Range of seating models available which include seat belts for both driver and passengers
- Telematics
- Wi-Fi

Passenger Capacity

- Maximum capacity: 88 / 85 / 82
- Max seated capacity: 37 / 41 / 45
- Max standing capacity: 57 / 50 / 43

Refuel Time

- Fully refuelled in under 8 minutes

Vehicle Range

- 32kg stored Hydrogen – approximately 720km of range

Wheels & Tyres

- 275 / 70R x 22.5 Tubeless Tyre
- Choice of Bridgestone or Michelin

SPECIFICATION

KITE DF BEV | ELECTROLINER

Accessibility

- 1 or 2 door option available
- Wheelchair compliant via electronic or manual ramp

Axle

- Front axle – ZF RL 82 EC
- Rear axle – ZF AV 133

Battery System

- Forsee Power.
- 60Ah VDA PHEV2 modules (3P4S)
- Option of either 340kWh or 454kWh

Battery Charging Systems

- 340kWh – 2 ½ Hours @ 150kW Charge Rate
- 454kWh – 3 Hours @ 150kW Charge Rate

Battery Charging Times

- 340kWh – 2 ½ Hours @ 150kW Charge Rate
- 454kWh – 3 Hours @ 150kW Charge Rate
- 567kWh – 3 ½ Hours @ 150kW Charge Rate

Dimensions (MM / 10.9 / 11.6 / 12.5)

- Height: 3,380 / 3,380 / 3,380
- Length: 10,947 / 11,667 / 12,469
- Overhang front: 2,952 / 2,952 / 2,952
- Overhang rear: 2,648 / 2,648 / 3,450
- Wheelbase: 5,347 / 6,067 / 6,067
- Width: 2,520 / 2,520 / 2,520

Electric Traction

- Voith VEDS MD 280kW
- Torque – 2,850Nm
- Max speed – 2,850rpm

Gross Vehicle Weight

- 19,500kg

Legislative compliance

- European Whole Vehicle Type Approval.
- VDV Compliant.



Optional Specification Items

Wrightbus are able to offer a range of specification items that include but not limited to:

- Additional Battery Capacity
- Alloy Wheels
- Camera Mirror Systems
- CCTV
- Destination Equipment & Next Stop Announcement Systems
- Drivers Cab Air Conditioning
- Fire Suppression Systems
- Range of Extended Warranties
- Range of seating models available which include seat belts for both driver and passengers
- Wi-Fi

Passenger Capacity

- Maximum capacity: 88 / 85 / 82
- Max seated capacity: 37 / 41 / 45
- Max standing capacity: 57 / 50 / 43

Vehicle Range

- 340kWh - approximately 150miles of range
- 454kWh - approximately 200miles of range
- 567kWh - approximately 250miles of range

Wheels & Tyres

- 275 / 70R x 22.5 Tubeless Tyre
- Choice of Bridgestone or Michelin



Change your world by getting
in touch today.

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You can also find out all you need to know about our company at www.wrightbus.com

QCD 2445 – Rev 2



WRIGHT

Driving a greener future.