



MELLOR

# SERVICE BUS RANGE

Low floor, low emissions. The premier size-appropriate vehicle choice for efficient accessible transport.



# Low floor bus range

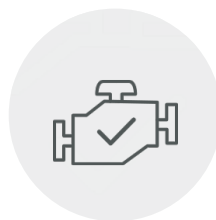
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Mellor low floor vehicles are the **future of flexible passenger transport**. The ultimate in groundbreaking size appropriate buses, every vehicle manufactured delivers excellence in passenger and operator experience.

Mellor's innovative range is designed to provide **efficient, accessible** and **sustainable** transport solutions, enhancing passenger comfort and maximising operational efficiency, all while reducing cost of ownership.

Innovation underpins every Mellor vehicle, resulting in a range of vehicles that offer incomparable quality, accessibility and performance. Mellor's design team go to extensive lengths to remove unnecessary weight while specifying the best possible components and insist on accelerated durability testing to deliver buses that are **truly fit for purpose**.

Efficiency in size, design and fuel economy ensure unrivalled suitability for lower patronage routes, while accessibility features deliver a superior passenger experience. And with the lowest possible cost of ownership, comprehensive warranties and best-in-class aftercare services, Mellor low floor buses are **driving change**.



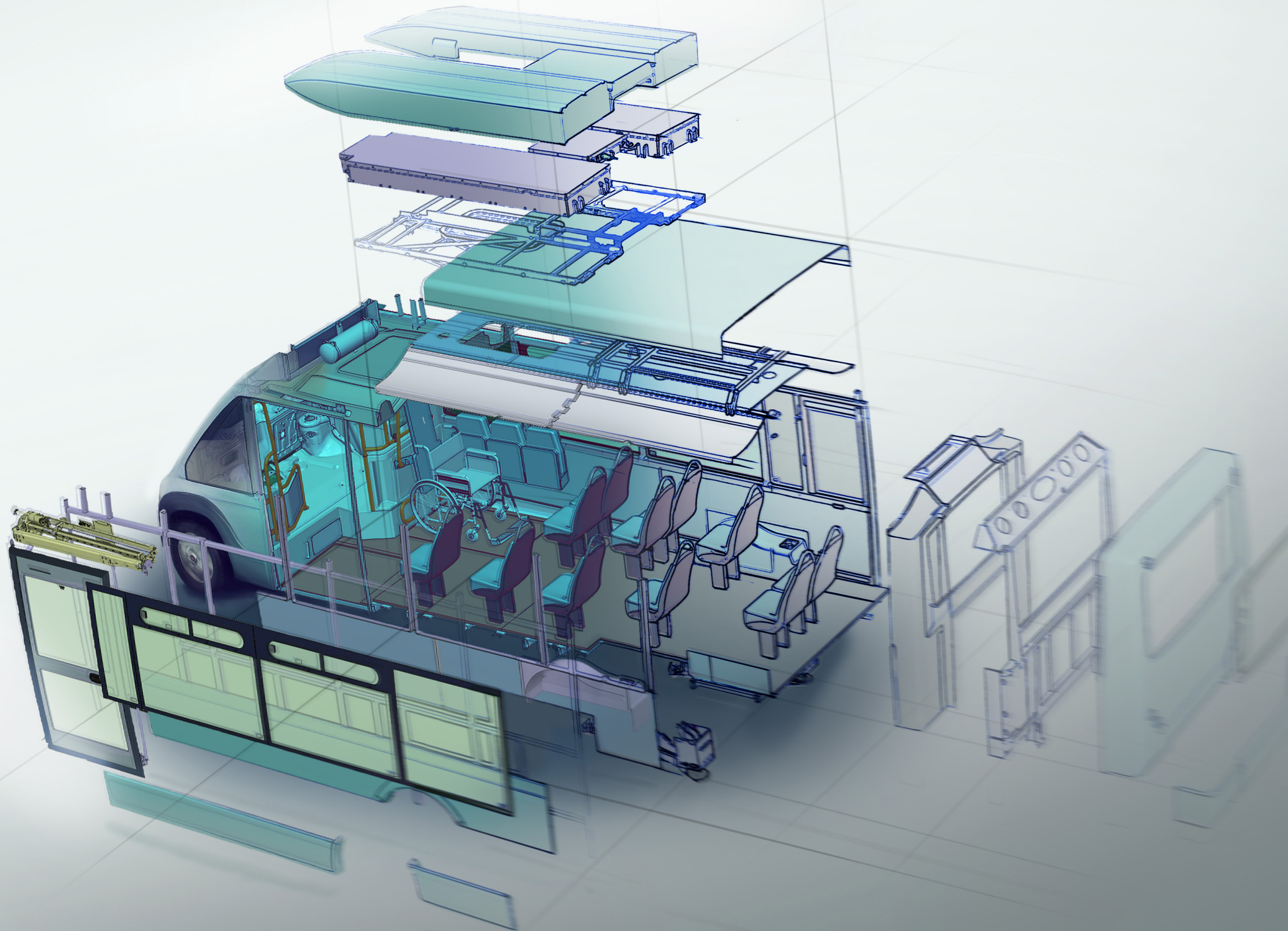
ULEB Compliant



Passengers board quickly and safely



Class leading fuel consumption



# The Orion Range

The Orion range - with its clever design, excellent fuel economy and **low cost of ownership** delivers remarkable operational flexibility, with the potential to **make routes more profitable** and provide a genuine alternative to larger, uneconomical vehicles.

Day-to-day running costs are minimised courtesy of a frugal 180bhp Euro-6 diesel engine – capable of returning an impressive 20-22mpg – coupled to ZF’s popular nine-speed automatic gearbox; ample power and a reliable, perfectly optimised drivetrain to keep the Orion on the road generating revenue. And, with a firm eye on the global shift towards New Energy mobility, Mellor also offers the Orion with a fully-electric drivetrain for operators looking to commit to zero emissions.

Based on Mellor’s **proven low-floor chassis**, the Orion boasts lightweight yet exceptionally robust body characteristics, engineered to meet the demands of both urban and rural route profiles, and with a class-leading interior specification to deliver a **safe, smooth and comfortable** ride for passengers.

The Orion also offers operational benefits to deliver further savings, including **low-cost repair and maintenance** and a widely available OEM parts stock. **With a 10-year structural warranty** the Orion bus becomes much more than an attractive business proposition.



## Key facts

- ▶ **Ultra-low fully flat floor throughout**
- ▶ **Up to 22 passengers**
- ▶ **10 year structural warranty**
- ▶ **Light, airy and modern passenger area**
- ▶ **Wide variety of seating and hand-rail options**
- ▶ **Equipped with display equipment and bell bushes**
- ▶ **Wipe-clean and hardwearing surfaces**
- ▶ **Rear side emergency door**
- ▶ **Low purchase price and lower running costs compared to larger single deck buses**



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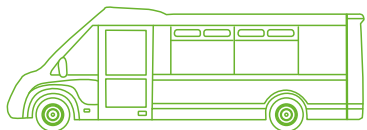


East Lothian  
Council

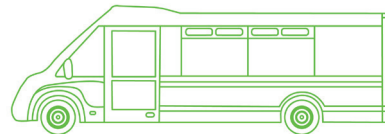
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# Technical Specification

## Orion



## Orion Plus



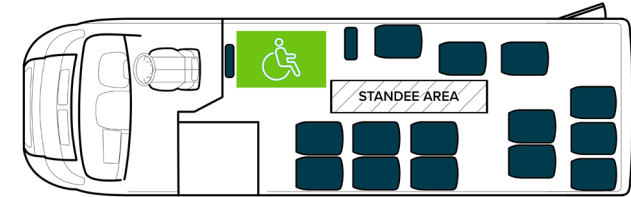
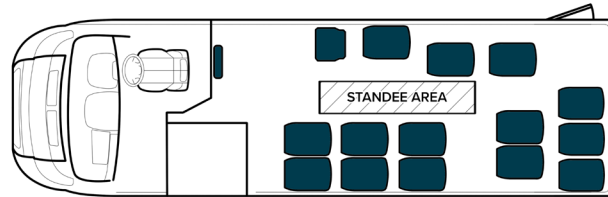
|                                      | Orion                           | Orion Plus |
|--------------------------------------|---------------------------------|------------|
| <b>Base chassis</b>                  | Mellor Low Frame                |            |
| <b>CC</b>                            | 2287                            |            |
| <b>Output</b>                        | 180 PS                          |            |
| <b>Width</b>                         | 2.2 mm                          |            |
| <b>Gross vehicle weight</b>          | 5000 kgs                        |            |
| <b>Transmission</b>                  | 9 speed ZF auto/ 6 speed manual |            |
| <b>No. of cylinders</b>              | 4                               |            |
| <b>Emission standard</b>             | Euro 6                          |            |
| <b>Max. Length</b>                   | 7.5 m                           | 7.8 m      |
| <b>Height</b>                        | 2.7 mm                          |            |
| <b>Wheelbase</b>                     | 4.9m                            |            |
| <b>Turning radius (wall to wall)</b> | 8.6 m                           |            |



# Internal Configuration

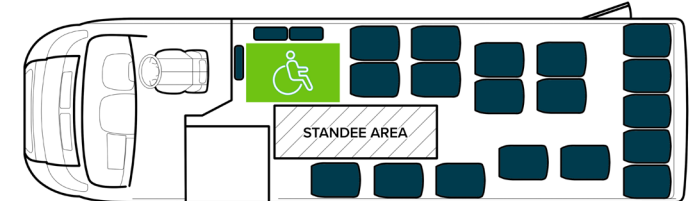
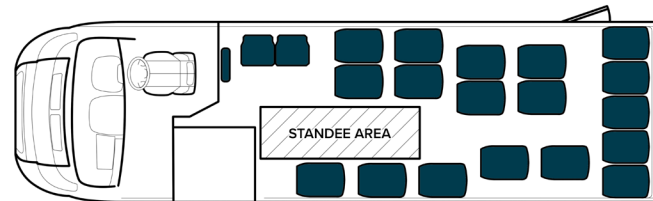
## Orion

|                  |    |
|------------------|----|
| Passenger Total  | 16 |
| Max. Seated      | 15 |
| Max. Wheelchairs | 1  |
| Max. Standing    | 1  |



## Orion Plus

|                  |    |
|------------------|----|
| Passenger Total  | 22 |
| Max. Seated      | 20 |
| Max. Wheelchairs | 1  |
| Max. Standing    | 2  |



# The Strata Range

The Strata range – comprising of the **Strata**, **Strata Plus** and **Strata Ultra** - supports operators in delivering accessible, reliable transport services whilst enjoying class-leading fuel economy and exceptional total cost of ownership.

Equally well suited to quieter routes as it is busier urban networks, the Strata is perfect for any operator looking to expand their small low floor bus fleet with vehicles that **prioritise both passenger comfort and operational efficiency**. With an innovative low floor saloon area and space for 2 wheelchairs, the Strata range is custom engineered to meet diverse needs and make bus travel more accessible, comfortable and convenient.

The Strata range is built on the outstanding Mellor low-frame chassis, which has undergone accelerated 8-year durability testing to ensure operator investment is rewarded by a lifetime of reliable ownership.

Strata buses can be configured to accommodate 30 passengers and feature a light and airy passenger area complete with modern amenities.

Offering enhanced operational efficiency, competitive fuel consumption and lower total cost of ownership figures when compared to traditional single-deck buses, Strata vehicles are as **excellent choice for lower patronage routes**.

## Key facts

- ▶ **Single step entry low floor bus**
- ▶ **Up to 30 passengers or 2 wheelchairs**
- ▶ **Light, airy and modern passenger area**
- ▶ **Wide variety of seating and hand-rail configurations**
- ▶ **Seatbelts (optional), seats and fittings certified to ECE regulations for category M3 vehicles**
- ▶ **Equipped with display equipment and bell bushes**
- ▶ **Wipe-clean and hardwearing surfaces**
- ▶ **Rear side emergency door**
- ▶ **Low purchase price and lower running costs compared to larger single deck buses**
- ▶ **LEB certified**



# Why choose a Strata bus



## Operator Benefits



Durability tested



Narrow width, small and nimble – ideal for first mile/last mile routes



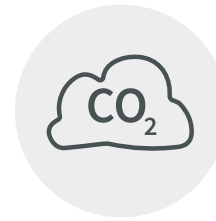
Global OEM service network



## Environmental Benefits



Size appropriate



Euro VI



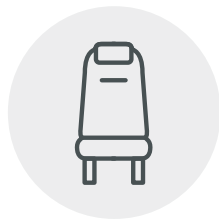
22 MPG



## Passenger Benefits



Exceptional passenger experience



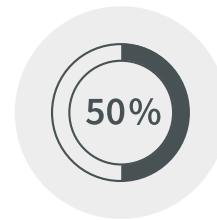
Class leading seated passenger capacity



Low floor for ease of access



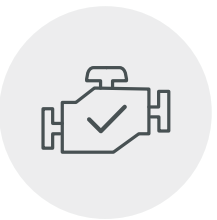
## Cost Benefits



Up to 50% reduction in fuel costs\*



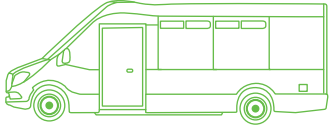
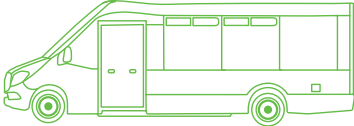
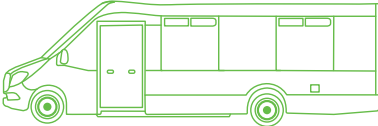
Service costs and total cost of ownership reduced\*



LEB certified for further fuel rebate

\*vs large single deck bus

# Technical Specification

|                              | Strata  | Strata Plus   | Strata Ultra  |
|------------------------------|---|---|---|
|                              |  |  |  |
| <b>Base chassis</b>          | Mellor Low-Frame  |   |   |
| <b>CC</b>                    | 2143  |   |   |
| <b>Power</b>                 | 163 bhp   |   |   |
| <b>Width</b>                 | 2.3 m   |   |   |
| <b>Gross vehicle weight</b>  | 5500 kg   |   | 6010 kg   |
| <b>Transmission</b>          | 7 Speed automatic   |   |   |
| <b>No. of cylinders</b>      | 4   |   |   |
| <b>Emission standard</b>     | Euro VI   |   |   |
| <b>Length</b>                | 7.76 m  | 8.1 m   | 8.7 m   |
| <b>Height</b>                | 2.76 m  |   |   |
| <b>Wheelbase</b>             | 5.1 m   |   |   |
| <b>Turning circle radius</b> | 8.5 m   |   |   |



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# The Strata

Mellor's ground-breaking low floor solution for operators, **the Strata** is the only Mercedes-Benz approved low floor Sprinter in the UK which offers **exceptional total cost of ownership** and **operational efficiency**. With an innovative low floor saloon area, space for 2 wheelchairs and a wide variety of configurable extras, the Strata is perfect for operators looking to change the way in which services are delivered whilst **retaining low-floor accessibility and passenger comfort**.

While still being the perfect size for navigating rural routes and built-up streets alike, this small bus is spacious and configurable with class leading seated passenger capacity, meaning that operators can maximise efficiencies whilst delivering a **comfortable, convenient passenger experience**.

**The Strata is the smallest bus range to date to have met the stringent requirements of ULEB certification which means operators also benefit from BSOG rebates under the governments LCEB scheme.**



Max. passengers - 22



Max. wheelchair positions - 2



GVW - 5380 kg



Power - 163 bhp



Transmission - 7 speed automatic

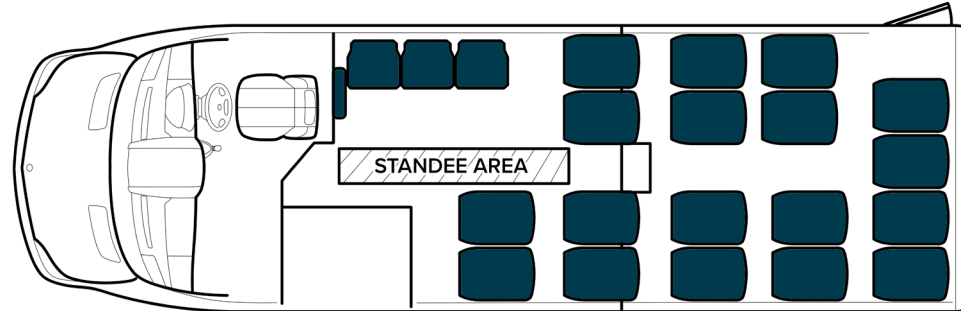


LEB certified

# Internal Configuration

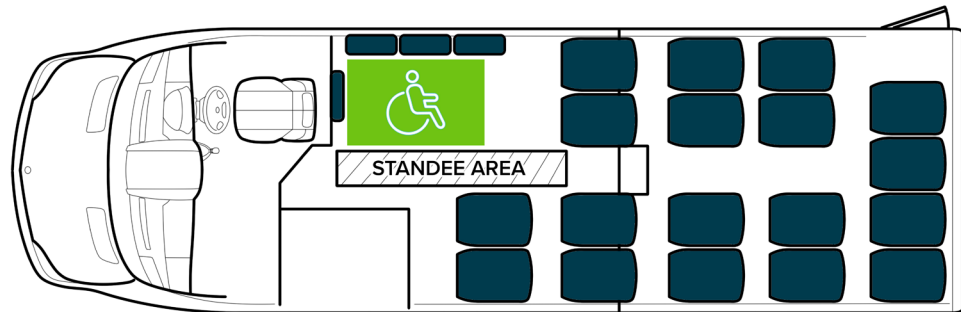
## Configuration 1

|                  |    |
|------------------|----|
| Passenger Total  | 22 |
| Max. Seated      | 21 |
| Max. Wheelchairs | 0  |
| Max. Standing    | 1  |



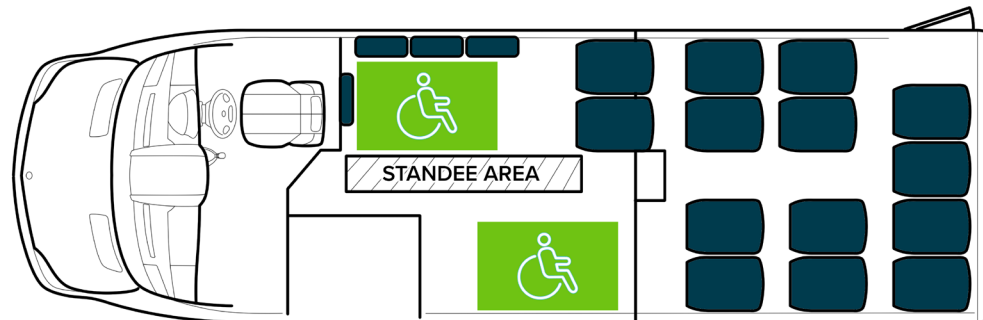
## Configuration 2

|                  |    |
|------------------|----|
| Passenger Total  | 22 |
| Max. Seated      | 18 |
| Max. Wheelchairs | 1  |
| Max. Standing    | 3  |



## Configuration 3

|                  |    |
|------------------|----|
| Passenger Total  | 22 |
| Max. Seated      | 14 |
| Max. Wheelchairs | 2  |
| Max. Standing    | 6  |



# The Strata Plus

The **Strata Plus** is a **revolutionary low floor bus** with increased seating capacity, making it ideal for busier routes. A modern, flexible vehicle engineered with class leading capacity, the Strata Plus helps operators to maximise operational efficiency whilst benefitting from BSOG rebates under the LCEB scheme. It offers enhanced passenger carrying capacity compared to smaller models and is ideally suited to routes with slightly higher patronage.

Engineered with **innovative features and technology**, the Plus helps reduce operating costs while enhancing passenger comfort, accessibility and convenience.

With accessible low floor boarding, capacity for 26 passengers, 2+2 seating and space to accommodate 1 wheelchair, the Strata Plus is ideal for carriers looking to add flexibility to their fleet.

The Strata Plus embodies the proud Mellor philosophy of using lightweight components and robust engineering practices, for **optimal vehicle performance and lifespan**.



Max. passengers - 26



Max. wheelchair positions - 1



GVW - 5500 kg



Power - 163 bhp



Transmission - 7 speed automatic



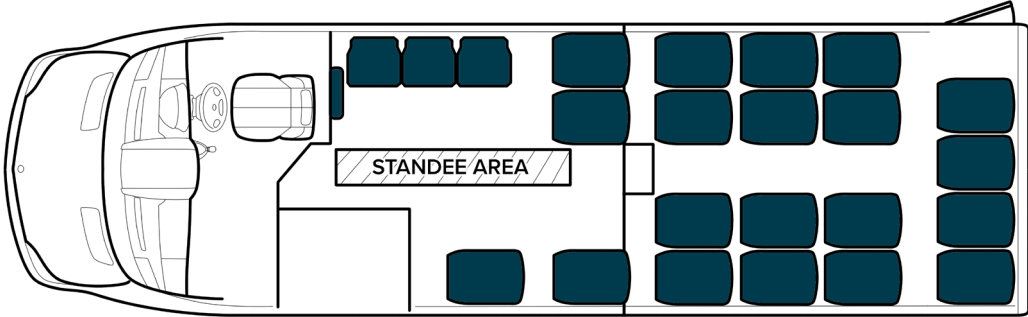
LEB certified



# Internal Configuration

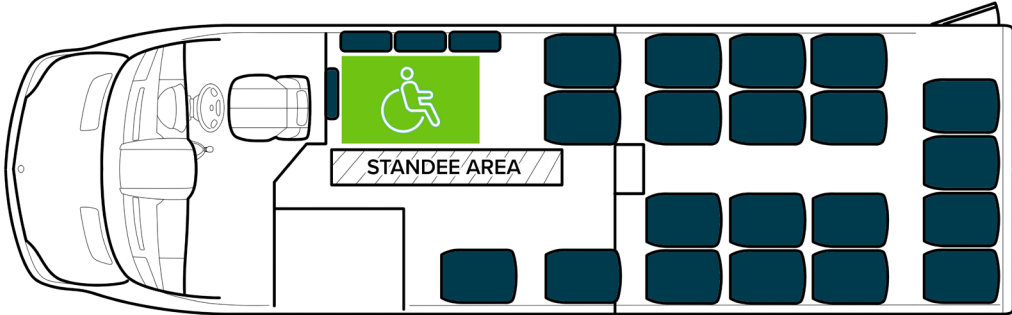
## Configuration 1

|                  |    |
|------------------|----|
| Passenger Total  | 26 |
| Max. Seated      | 23 |
| Max. Wheelchairs | 0  |
| Max. Standing    | 3  |



## Configuration 2

|                  |    |
|------------------|----|
| Passenger Total  | 26 |
| Max. Seated      | 20 |
| Max. Wheelchairs | 1  |
| Max. Standing    | 5  |



# The Strata Ultra

The **Strata Ultra** is a new dimension of low floor small bus that's pushing the boundaries of passenger experience and operator service. With **enhanced seating capacity, class-leading fuel economy and exceptional total cost of ownership**, the **Strata Ultra** delivers unrivalled value, performance and passenger comfort.

Designed and manufactured from the ground up by Mellor using CAD CAM technology, the **Strata Ultra** is uniquely fit for purpose and boasts **best-in-class accessibility, usability and technology features** for both driver and passenger. These include wall and seat mounted USB points, 10.2 inch touch screen navigation, a reversing camera and much more.

With accessible single step boarding and an innovative low floor saloon, an impressive 30 passengers and space to accommodate 1 wheelchair, **the Strata Ultra is perfect for operators needing a small bus that supports busier or fluctuating routes in rural and built-up urban areas**, while remaining competitively efficient.

As well as its modern good looks, the **Strata Ultra** embodies the proud Mellor philosophy of using lightweight components and robust engineering practices, for optimal vehicle performance and lifespan.



Max. passengers - 30\*



Max. wheelchair positions - 1



GVW - 6000 kg



Power - 163 bhp



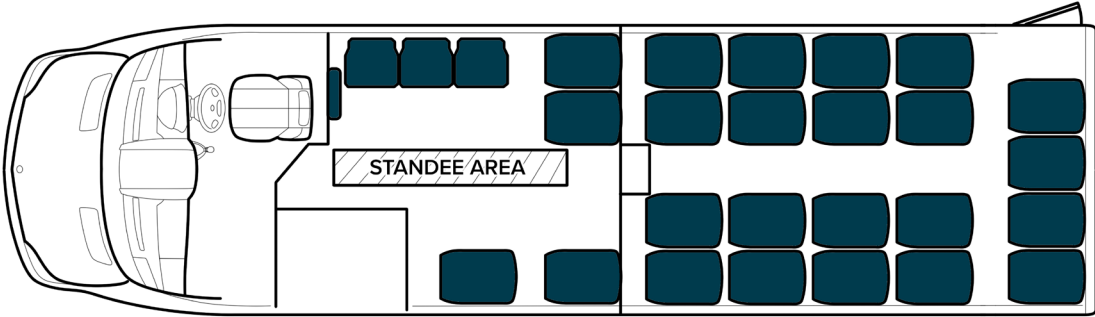
Transmission - 7 speed automatic

\*max. passengers reduced to 29 with seatbelts fitted

# Internal Configuration

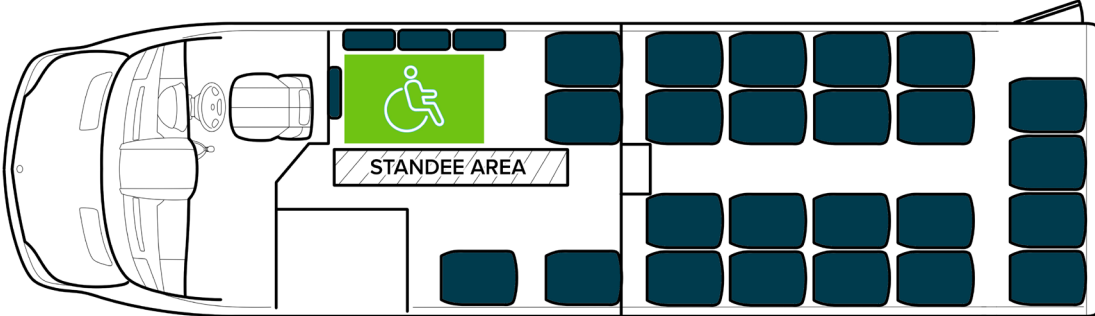
## Configuration 1

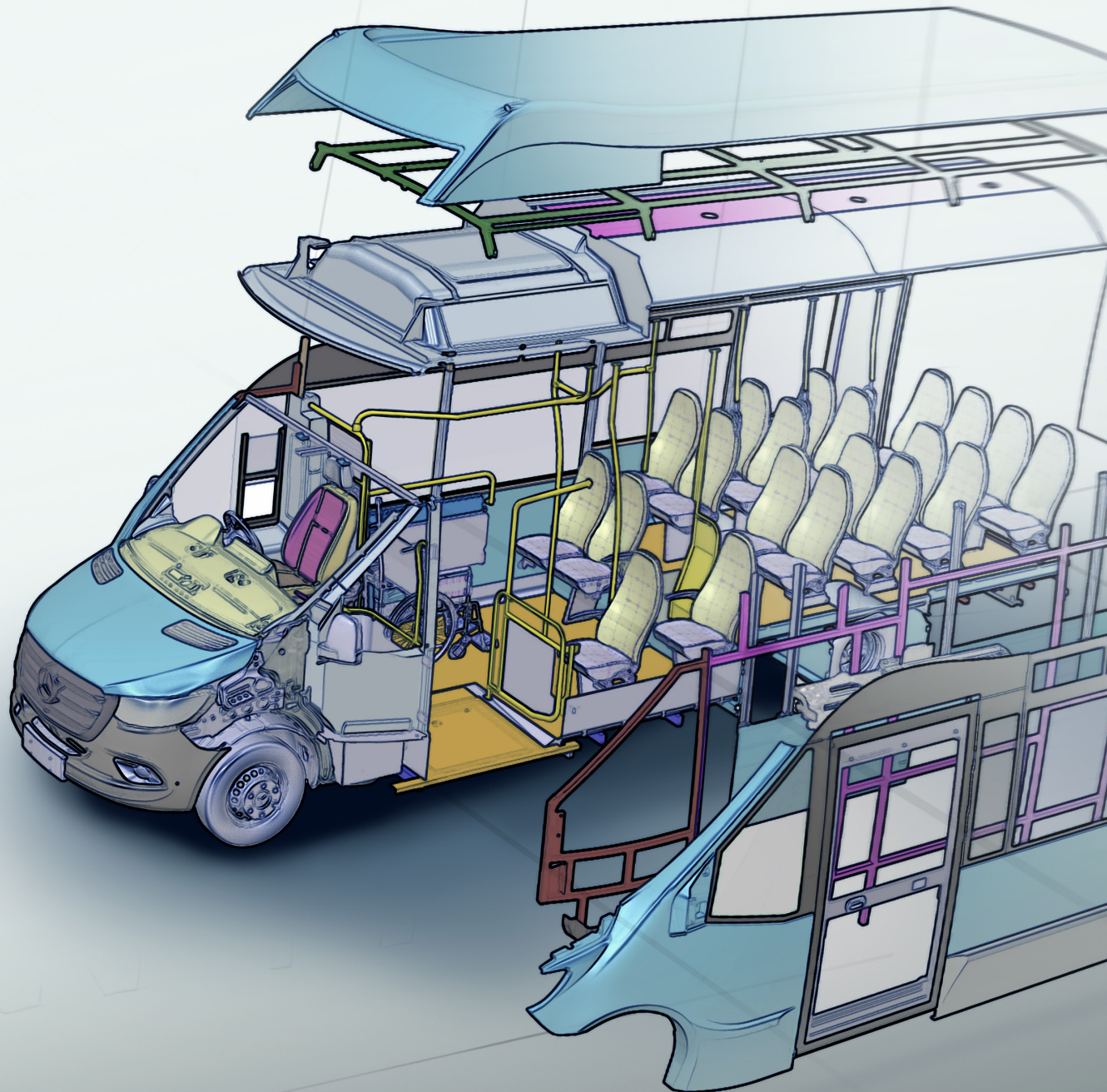
|                  |    |
|------------------|----|
| Passenger Total  | 30 |
| Max. Seated      | 27 |
| Max. Wheelchairs | 0  |
| Max. Standing    | 3  |



## Configuration 2

|                  |    |
|------------------|----|
| Passenger Total  | 30 |
| Max. Seated      | 24 |
| Max. Wheelchairs | 1  |
| Max. Standing    | 5  |





► **The future of flexible passenger transport.**

Every vehicle we manufacture is built to deliver excellence in passenger and operator experience. Above all else, our innovative products provide efficient, accessible and sustainable transport solutions.

**t:** +44 (0)1706 860610

**e:** [info@mellorbus.com](mailto:info@mellorbus.com)

**w:** [www.mellorbus.com](http://www.mellorbus.com)

Mellor Bus Ltd  
Miall St, Rochdale,  
OL11 1HY



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