



# MOVITAS

Zero Emission **City**bus

  
**100% electric**  
**by Tribus**  
innovative mobility



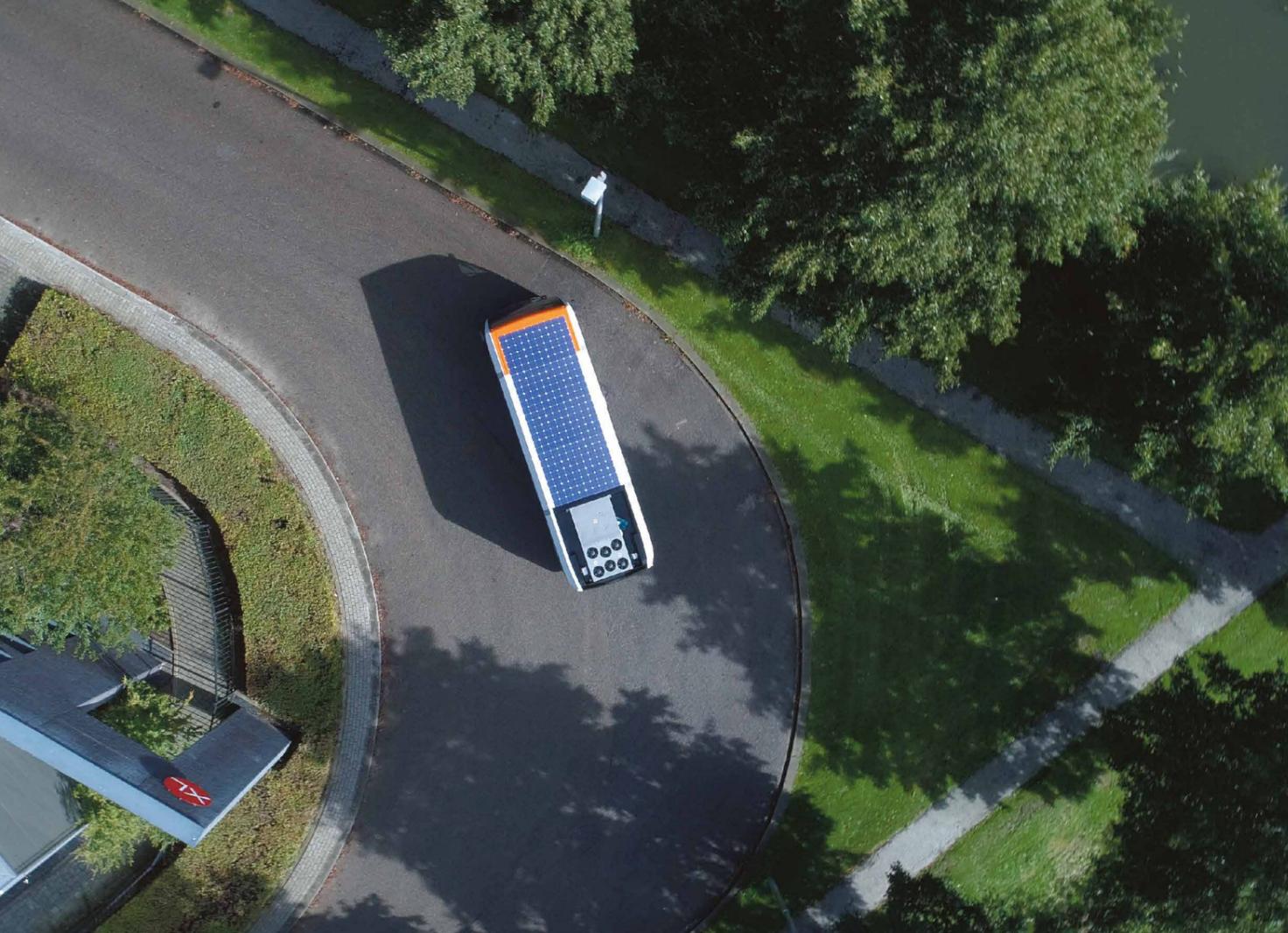
100% electric



100% modular



100% accessible



## Zero emission 100% electric

Tribus has developed a new innovation for public transport, the Movitas. A 100% electric citybus that offers a solution to reduce air pollution in urban areas and city centers. The powerful design is lightweight, compact and agile making even inner cities highly accessible. The Movitas has four wheel steering and is not afraid of tight corners. The Movitas has modular battery packs and allows for opportunity charging (pantograph) or depot charging (CCS plug).



## Low energy consumption

The Movitas contains many sustainable solutions to reduce energy consumption. A special heat pump uses the warmth of the driveline for the underfloor heating and the panoramic windows are equipped with well insulated double glazing and UV filter. Solar panels on the roof can generate energy for the 24 volt batteries. Expect a significant energy reduction compared to other electric buses.

## Highly accessible

The Movitas is accessible for all passengers, regardless of their physical limitations. The bus drops to street level for easy boarding. Travelling in the Movitas is a true experience thanks to the large windows, seat heating and convenient USB connections.



## Modular setup

Thanks to the complete flat floor the Movitas can transport more standing passengers than a bus with similar dimensions. The Movitas is modular built and available in three length sizes; 8,20 – 8,95 – 9,70 meter.

## Latest technologies

The Movitas is clean, durable, agile and compact. This allows new bus lines that can be used deeper into inner cities. Thanks to the electric motor and the 100% electric HVAC system, the bus has zero emissions and produces no noises. The Movitas is a zero emission city bus that reduces our ecological footprint.





## Technical highlights

### Modular setup

#### Configurable in length

Lengths 8,20, 8,95, & 9,70 mtr

Width: 2,50 mtr

Doors by Ventura

Various door widths

### Spacious interior

No wheelarches in interior!

Flexible doorpositions

### Complete freedom in layout's

### Designed as E-bus

Battery packs integrated in floor, roof and rear

Low center of gravity

### Multiple battery packs possible

Optimal weight distribution

Very stable in corners



### Lightweight construction

Stainless steel lightweight chassis

**GVW 17.350 kg**

Results in very low consumption

### Opportunity charging

Using a pantograph induction

Batterypacks LTO 46 or 68 kWh



### Slow charging

DC charging

Using CCS Combo plug

Various NMC Battery packs

### HVAC

#### Efficient thermomanagement

Driveline warmth used for floorheating. Heating by electric heatpump; completely ZE. Connected; predictive maintenance. Double glazing provi-

des excellent isolation

Heated side windows drivercabin

Heated frontscreen.

Pre-conditioning of bus & batteries

### Remote monitoring

#### Real-time access to;

Consumption, SoC, Remaining range

GPS data, Speed, Heating/cooling

Predictive maintenance-ready

Works with Viriciti and Openmatics

All data is logged

### Driver cabine

#### Compliant with ISO/VDV

Excellent environment for driver

Camera's front, side & rear

Rearview camera's possible instead of mirrors.

### Production planning

2019: first demo available

2020: Testing & pre-series production

**2021: start production**

### More information

More information will be available soon on these websites:

**[www.motivas.nl](http://www.motivas.nl)**

**[www.tribus-group.com](http://www.tribus-group.com)**

All rights reserved. All information may be subject to changes and typographical errors. VK-200-191024

1998 2018  
**celebrating**  
**20 years**  
innovative mobility

### Tribus Group

Proostwetering 71  
3543 AC Utrecht  
The Netherlands

T +31(0) 30 - 669 50 20  
I [www.tribus-group.com](http://www.tribus-group.com)  
E [info@tribus.nl](mailto:info@tribus.nl)

**TRIBUS**  
INNOVATIVE MOBILITY