

／ e.COBUS 3000

# STAY IN e.MOTION



COBUS 

»» PERFORMANCE. PURPOSE. PASSION.



# e.COBUS 3000: -Pioneer in airport mobility



## THE FIRST FULL-FEATURED AIRPORT BUS WITH E-DRIVE

Our Mission is to connect people with fast, safe and sustainable solutions at airports. In times of increasing digitalization and e-mobility we connect people with fast, secure and sustainable solutions at airports.

COBUS Industries developed the first full-featured airport bus with electric drive – already on the market in 2016. The e.COBUS is in daily, reliable use at many airports – from Europe and North America to Asia.

The e.COBUS 3000 represents COBUS Industries' initiative to an increasing demand for environmental protection.

The entire COBUS fleet is available in 100% electric.

# e.COBUS 3000



Based on the COBUS airport bus, COBUS Industries GmbH presents the first fully electric airport bus: e.COBUS 3000. In addition to diesel and gas powered buses, which have been operating very successfully at airports worldwide for almost three decades, the e.COBUS 3000 is the first 100% electrically operated COBUS.



## SOME OUTSTANDING FEATURES:

The permanent-magnet synchronous motor of the e.COBUS 3000 is powered by Lithium-Titanate-Oxide (LTO) batteries which provide a total capacity of up to 126 kWh. Charging of batteries is accomplished at external charging stations. Complete recharging of batteries provides an operating range of up to 100 kms/ 14 operating hours (depending on charger output).

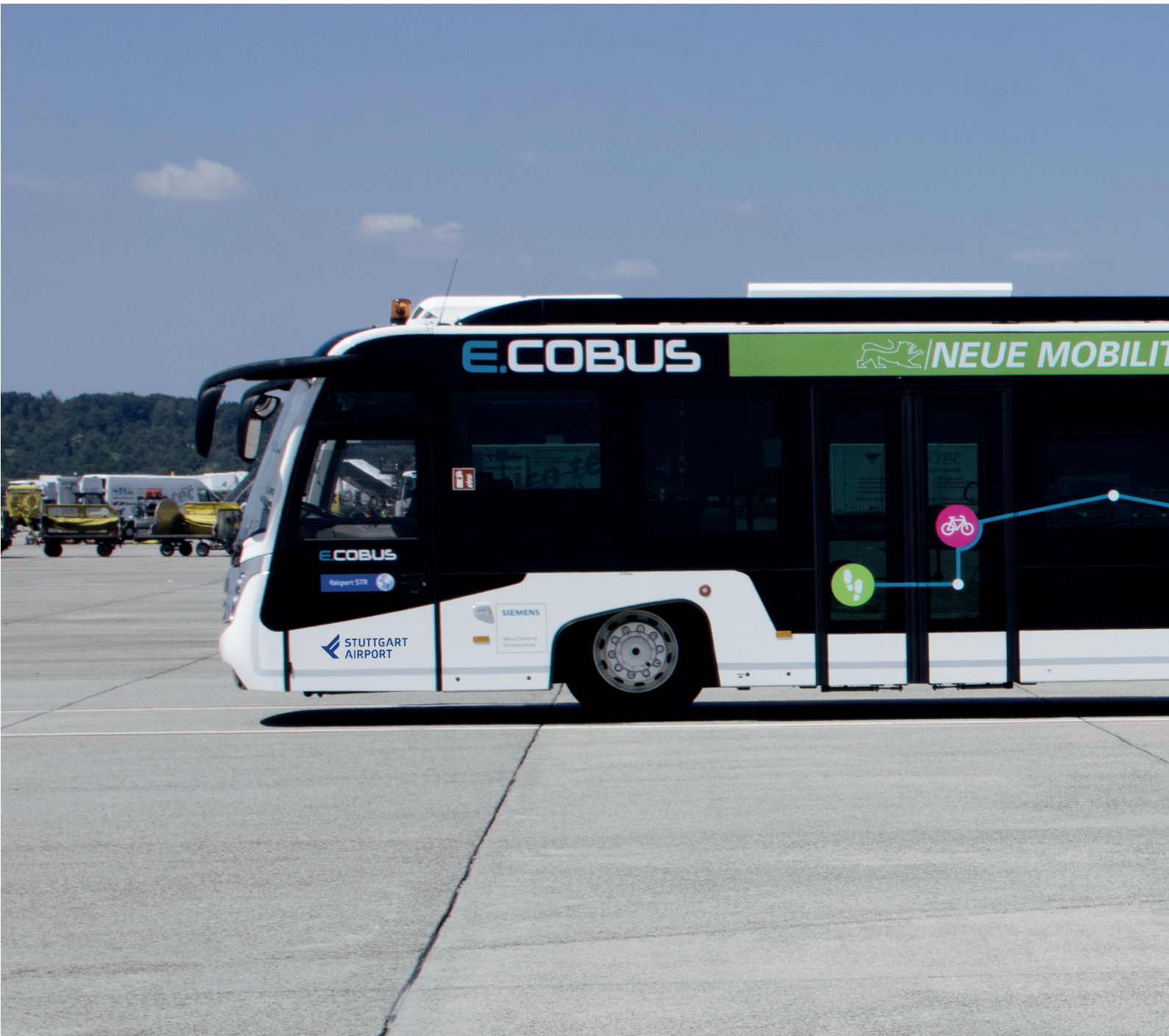
The combination of complete recharging of the bus and a fast interim recharging process during idle periods results in a smooth and efficient operation at the airport.





# HELLO FUTURE - The e.COBUS

DETAILS MAKE THE DIFFERENCE



## ADVANTAGES - NOT ONLY FOR THE ENVIRONMENT

- Zero emissions
- 100% electric
- Quick recharging capability
- Range of up to 100 kms/ 14 operating hours





- Low operation and maintenance costs
- Full space available in passenger compartment
- LTO battery technology
- Low noise and vibration levels

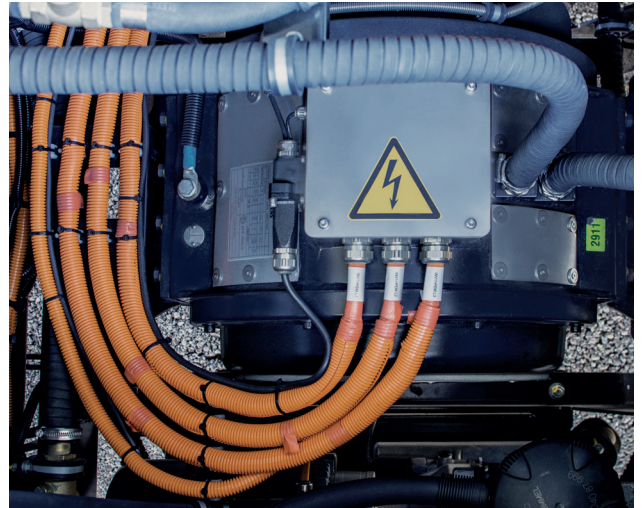


# e.COBUS 3000 100 % ELECTRIC

## CHARGING e.COBUS



## HIGH VOLTAGE SYSTEM



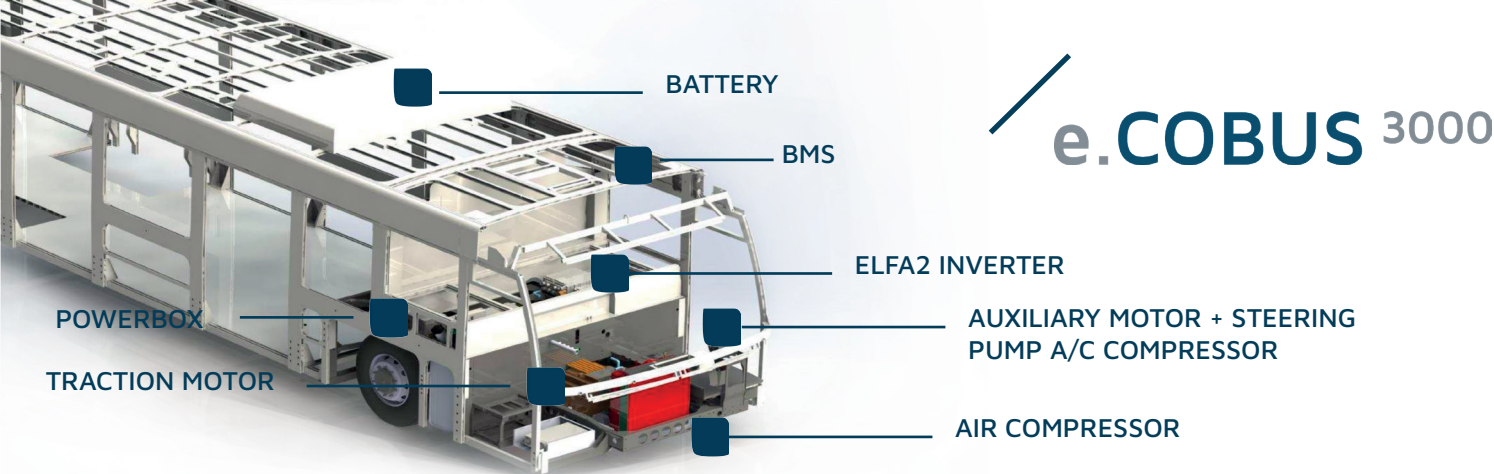
## BATTERIES ON THE ROOF TOP



## EXTERNAL CHARGING STATION







## COBUS CHASSIS

### CHASSIS MODELL MOTOR

MERCEDES BENZ 30 low floor  
SIEMENS ELFA system, permanent-magnet synchronous motor, rated power 160 kW

### BATTERIE TECHNOLOGY BATTERIE CAPACITY TRACTION INVERTER CHARGER

Lithium Titanate Oxide (LTO) or similar  
86-120 kWh (according to customers' requirements)  
SIEMENS DC-AC IGBT inverter  
Onboard charger 7 or 14 kW, input 400V AC, output 700 V DC, external DC fast chargers, 30-150 kW available, input 400 V AC, output 700V DC

### CHARGING TIME

30 min-3 hours (depending on charger output)

### BRAKE

Pneumatic 2-circuit brake system & regenerative brake system

### LENGTH

13,920 mm

### WIDTH

3,000 mm

### HEIGHT (max.)

3,100 mm

### HEADROOM INSIDE

2,400 mm

### WEEL BASE

7,100 mm

### SUSPENSION

Pneumatic with „kneeling system“

### HEATING SYSTEM

Biodiesel, 30kW or electric

### ENTRANCE STEP HEIGHT

Approx: 290 mm

### GROSS VEHICLE WEIGHT

20,400 kg

### LOAD CAPACITY

Approx, 7,800 kg

### TURNING RADIUS

14,069 mm

## COBUS BODY

### BODY

CO-BOLT aluminium body with a lifetime of at least 25 years

### PASSENGER CAPACITY

Up tp 110 PAX, including 8-14 seats

### FLOOR

Completely low floor without steps or inclination

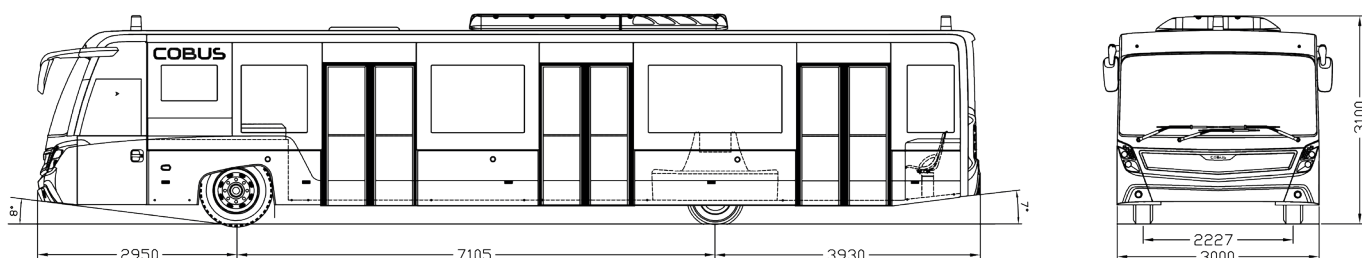
### PASSENGER DOORS

3 automatic doors per side of extra wide design

### STANDARD EQUIPMENT

Air Conditioning for driver's cabin, 2 electrically operated roof hatches in the passenger compartment

The COBUS fulfills the requirements of the IATA Aircraft Handling Manual 950





>>> WE LOOK FORWARD  
TO HEARING FROM YOU!



## COBUS Industries GmbH

Max-Planck-Ring 43 • D-65205 Wiesbaden • PHONE +49(0)6122 - 92530  
info@cobus-industries.de • [www.cobus-industries.de](http://www.cobus-industries.de)

MEMBER OF  CaetanoBus