

## TIMETABLE

Monday to Friday from 9 am to 4 pm. Times and routes may vary during the test phase.

## VEHICLES

Two buses from EasyMile and two from NAVYA, France

## DISTANCE

Campus Charité Mitte 1.2 kilometres  
Campus Virchow-Klinikum 0,8 und 1,5 kilometres  
Ring lines - without start and end stops

## SEATING

The Buses can reach speeds of up to 45 km/h. During the project, they are limited to a maximum 12 km/h.

## SPEED

The Buses can drive up to 45 km/h. During the project they drive with a maximum speed of 12 km/h.

## SAFETY

The vehicles have radar and lidar sensors and are able to detect all obstacles within a given radius. In addition, the buses are passive vehicles and respond very carefully to any potentially dangerous situations.

## EMERGENCY STOP

The vehicles are equipped with a clearly marked emergency stop button. The doors can be opened manually at any time. There are also safety mechanisms to prevent persons and objects from becoming caught in the doors.

## PROJECT PERIOD

The project as a whole will run for three years, from May 2017 to April 2020.

## PROJECT PHASES

- **Phase I:** January 2018 – March 2018  
assisted operation without passengers
- **Phase II:** April 2018 – December 2018  
assisted operation with passengers
- **Phase III:** January 2019 – April 2020  
driverless operation

## PARTNER

Charité university hospital in Berlin, the Berliner Verkehrsbetriebe (BVG), and the State of Berlin, represented by the Senate Department for the Environment, Transport, and Climate Protection.

## PROTECTION

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

## PASSENGER TRANSPORT

The project is not being run commercially, but as a trial which is free for passengers to use. There is no automatic entitlement to carriage.

## INSURANCE

The operator (BVG) is covered with business liability insurance for any damages.



Senatsverwaltung  
für Umwelt, Verkehr  
und Klimaschutz

# DRIVING *the* FUTURE

## STIMULATE Sustainable urban mobility with automated electric minibuses



Bundesministerium  
für Umwelt, Naturschutz  
und nukleare Sicherheit



Erneuerbar  
mobil



SITE number I



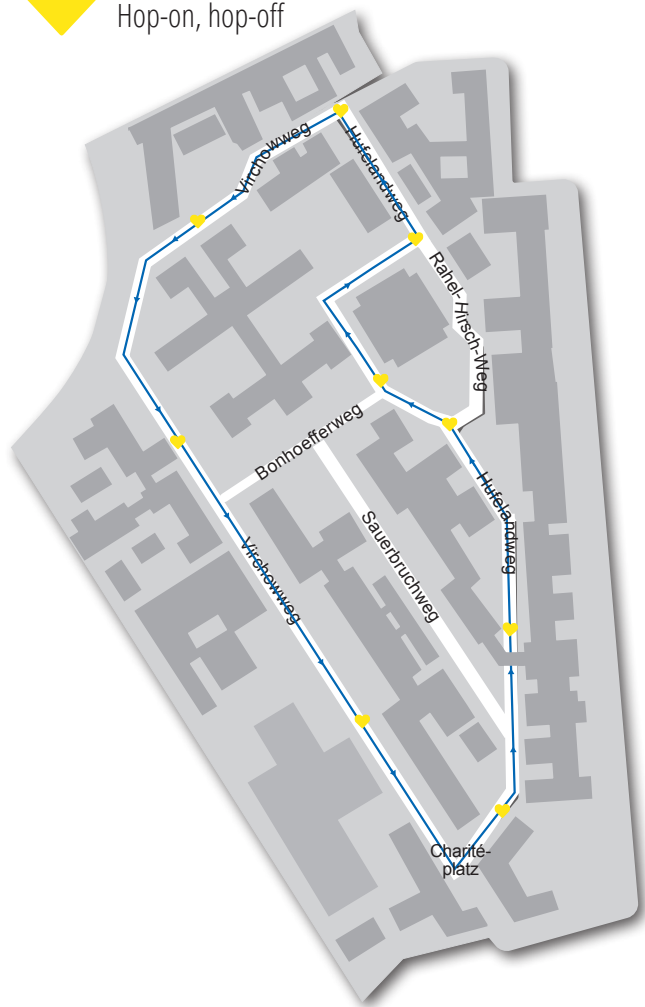
SITE number II






THE project

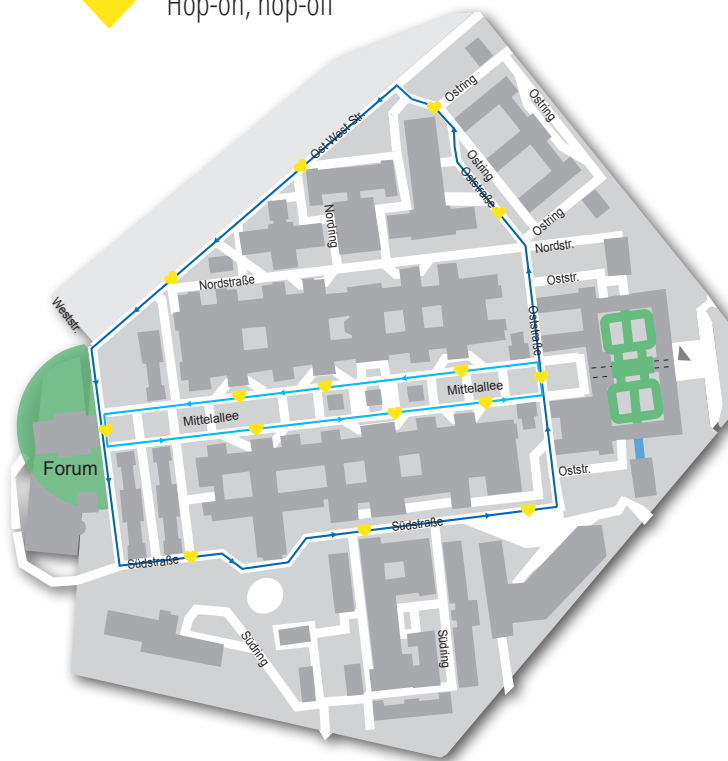
Campus Charité Mitte

-  Line
-  bus stop  
Hop-on, hop-off



Campus Virchow-Klinikum

-  Outer line
-  Inner line
-  Bus stop  
Hop-on, hop-off



Driverless vehicles: a vision of the future is becoming reality. Starting in January 2018, automated vehicles powered by electric drive systems will take part in a pilot project at two locations of Berlin's university hospital – the Mitte campus and the Virchow-Klinikum campus.

The project is a joint effort conducted by the Charité university hospital in Berlin, the Berliner Verkehrsbetriebe (BVG), and the State of Berlin, represented by the Senate Department for the Environment, Transport, and Climate Protection. It is funded by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU).

The aim of the project is to explore user take-up of driverless vehicles, test the technology and its operation, develop ideas for the use of these vehicles, and help to protect the climate and the environment. The two Charité sites, with their different pedestrian, vehicle, and bicycle flows represent ideal testing grounds for this purpose.

The Charité Institute of Medical Sociology and Rehabilitation Science and the Senate Department will conduct a user acceptance survey as part of the joint project. The results will be published at regular ongoing intervals. Find out more about the project at the following website: