



## Fact Sheet

### DB Medibus – The Mobile Clinic

#### Robert Koch Institute uses mobile clinic for SARS-CoV-2 antibody study • Project receives German Mobility Award 2019

(Berlin, May 2020) The DB Medibus is an innovative solution from Deutsche Bahn for improving access to medical infrastructure. Four Deutsche Bahn Medibuses are expected to be used for the SARS-CoV-2 antibody study being conducted by the Robert Koch Institute. These mobile clinics give researchers access to high-quality laboratory environments, which can be flexibly deployed at various locations.

The DB Medibus was originally designed to provide medical care in rural areas, but offers numerous other application possibilities within the healthcare sector.



#### Vehicle

- The DB Medibus is a 12.7-meter bus built by VDL.
- The bus offers the same facilities as a regular doctor's office, with a consulting room, treatment room, waiting area, and lab.
- There are two additional cooling units in the lab area that can cool samples at double-digit subzero temperatures. If necessary, mobile medical devices such as centrifuges or microscopes can also be added.

Publisher: Deutsche Bahn AG  
Potsdamer Platz 2, 10785 Berlin, Germany  
Responsible for content:  
Head of Communications and Marketing Oliver Schumacher

Unser Anliegen:



Heiner Spannuth  
Head of Communications DB  
Regio Tel. + 49 (0) 30 297-54020  
presse@deutschebahn.com  
www.deutschebahn.com/presse  
twitter.com/DB\_Presse

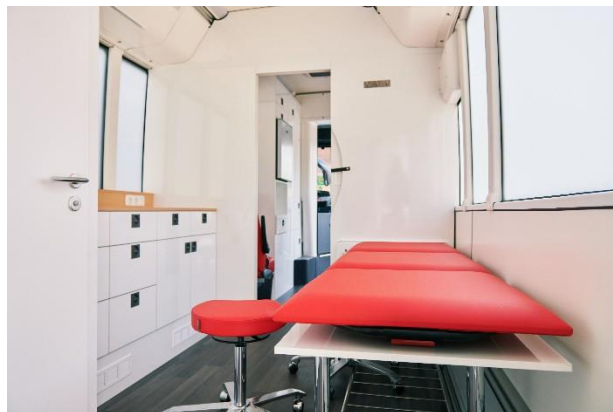
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### Technical equipment

- Power is supplied by 16 solar panels on the roof of the bus, which also charge three high-performance batteries. This means that the electrical equipment, such as refrigerators, air conditioning, and network technology, can operate with zero emissions. An additional generator enables self-sufficient operation at remote locations.
- The built-in dual-SIM router also provides stable internet access in rural areas by bundling signals from different providers.



- The rooms of the Medibus are cooled and heated by an air conditioning system. The bus also has an independent heater for self-sufficient operation. The mobile clinic thus has four separate temperature zones that can be flexibly controlled.
- By installing the latest technology, telemedicine can also be used to provide treatment. If required, the treating physician can consult a specialist by video conference.

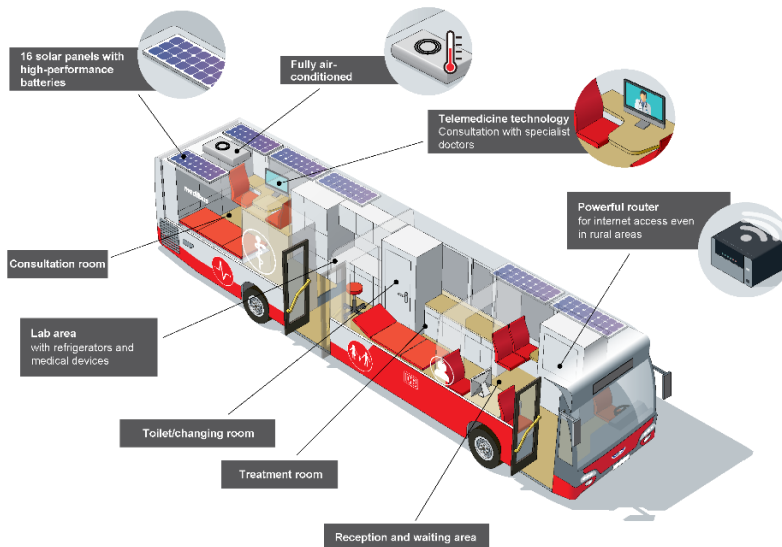


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### Milestones

- For the last two years, the Medibus has been successfully deployed by the Association of Statutory Health Insurance Physicians of Hesse in rural areas.
- Charité Berlin uses the Medibus on behalf of the Federal Ministry of Health to deliver vaccination programs in schools.
- Previously, it was also used by Charité Berlin to provide vaccinations to refugees. Video interpreting software provided access to 50 languages and around 750 interpreters at the touch of a button, ensuring smooth communication between the doctor and patient at all times.
- DB uses the Medibus for the provision of occupational healthcare.
- In October 2019, the DB Medibus received the German Mobility Award from the "Germany - Land of Ideas" initiative and the Federal Ministry of Transport and Digital Infrastructure.

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**Unser Anliegen:**



Heiner Spannuth  
Head of Communications DB  
Regio Tel. + 49 (0) 30 297-54020  
presse@deutschebahn.com  
www.deutschebahn.com/presse  
twitter.com/DB\_Presse