trolley:2.0 for smart cities

# Introduction e-buses BVG Berlin

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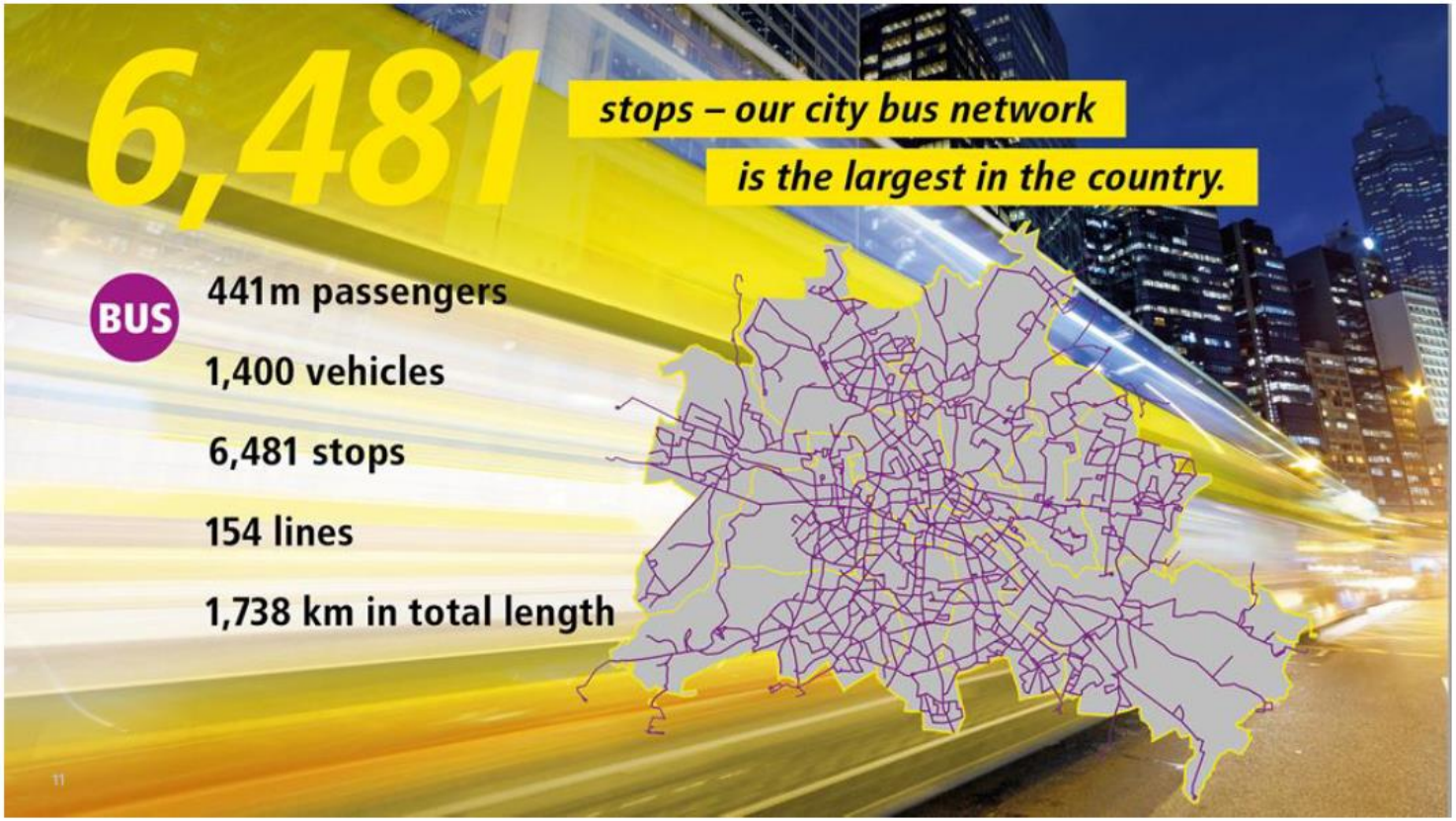
Electric Mobility Europe

**With more than 1.2 million passengers a day our bus services are a major pillar of public transport in Berlin**

BVG

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## The BVG follows a path into a locally emission-free public transport system deploying different technologies

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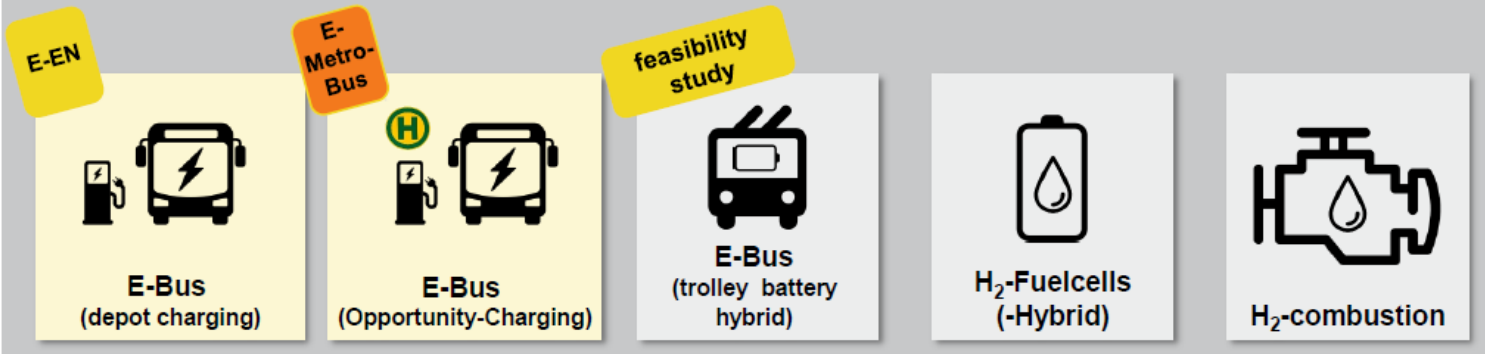
Global climate protection

Local air pollution control

**Goal 2030 : locally emission-free bus fleet**

A variety of alternative drive technologies are available




Long lead time before implementation → Standard-technology is not defined yet
→ Parallel and continuous tracking of technology development

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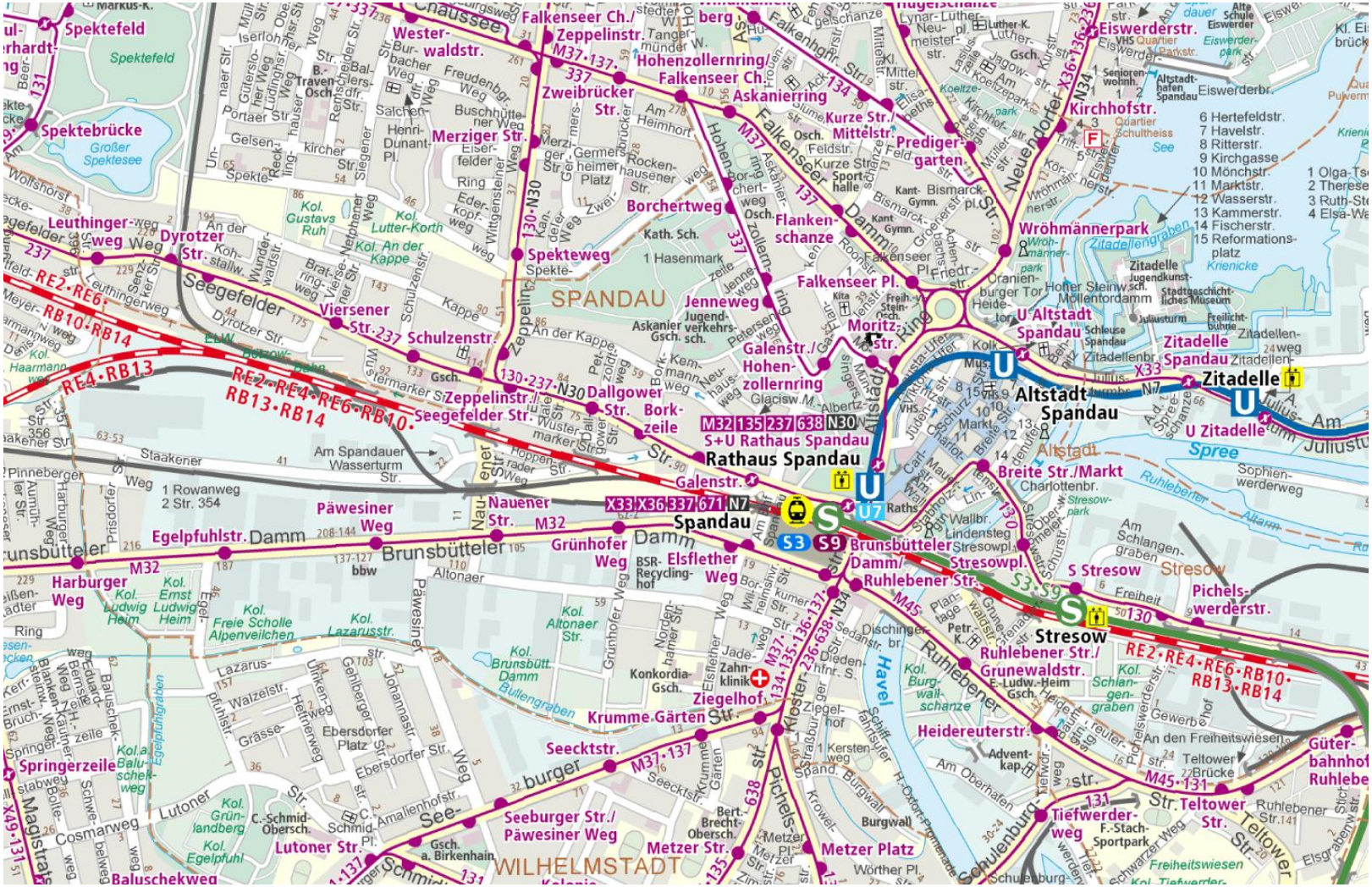


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## A feasibility study researches the technical and operational requirements of a trolley battery hybrid system in Berlin

BVG

### Goals

- Researching the **feasibility** of trolley battery hybrid e-buses in the context of the Berlin transport system, including a **comparison** with other technologies
- Creation of **visualisations** for negotiation and participation processes

### Project Framework

- Conducted by **consultants** of PTV Group & IFB Institut für Bahntechnik/TU Dresden
- The feasiblity study is subsidized by the German Ministery of Transport
- Also the **Berlin Senate Department** for the Environment, Transport and Climate Protection is part of the workgroup

- Spatial focus on **Berlin-Spandau**

- **Scope of the feasibility study**
  - State of the art analysis
  - Technical and operational dimensioning
  - Creation of scenarios
  - Profitability, cost and sustainability analysis (inkl. technology comparison)
  - Visualisations

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