




Founded by experienced battery and fuel cell experts from RWTH Aachen University, ebusplan has developed into one of the largest planning and consulting teams for the electrification of bus transport. **We offer:**

 **References from all over Europe and beyond**



 **Technical Expertise**

Together with partners, we have developed battery and fuel cell buses and evaluated them scientifically. We are also the initiators of the first electric bus-rapid charging concept with 500 kW.

 **Tailor-made Concepts**

We always consider the technology in conjunction with operations, because technical design and operational planning are inseparable. We optimize bus runs, charging phases, infrastructure.

 **Technological Edge in Simulation and Optimization**

Our unique software tools have already been applied for many bus operators to simulate and optimize operations for a part or for the entire bus network. Our tools are highly efficient and continuously improving.

 **Many Years of Experience**

We have been working in our field for more than 10 years and have taken over the planning for the electrification of entire bus networks for numerous customers in Europe and the USA.

From idea to implementation

Our service portfolio

Feasibility Studies

- Analysis of the potential in your bus line network
- Assessment and evaluation of all electrification concepts (battery, fuel cell hybrid, trolley)
- Cost and TCO calculation
- Quantification of environmental impacts
- Assessment of bus depots and garages
- Analysis of the effects on planning processes and software tools

Transition Concept

- Design of transition phases for a gradual electrification of the fleet
- Operational fleet planning for the transition period
- Planning and designing the number of chargers, capacity and space requirements
- Calculation of the investment costs for the different phases
- Identification of funding opportunities

Infrastructure Planning

- Planning and designing infrastructure in the depot and other charging locations
- Development of concepts for the set-up and integration of the chargers
- Calculation of load profiles for hardware design and for the elec. network operator
- Analysis of the possibilities for Smart Charging

Preparation and Support of Implementation

- Identification of requirements and registration of the local situation
- Acquisition of public funding, preparation of applications
- Preparation of specifications for vehicles and infrastructure
- Advice on the tender strategy and during the tender process
- Evaluation of offers, support in negotiations with bidders

Professional Project Support

- Review of strategy, planning documents and cost accounting
- Presentation of the electric bus strategy for supervisory boards and politicians
- Moderation of internal workshops to include all departments
- Technical workshops and seminars on vehicle and battery technology, infrastructure, software, market and future development



Your partner for
planning and
implementation of
electric buses

