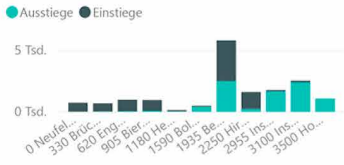


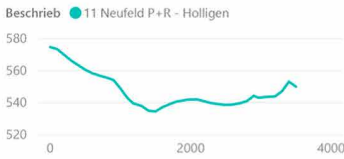


CO2-Einsparung

Ausstiege and Einstiege by Distanz and Haltestelle



Höhenprofil



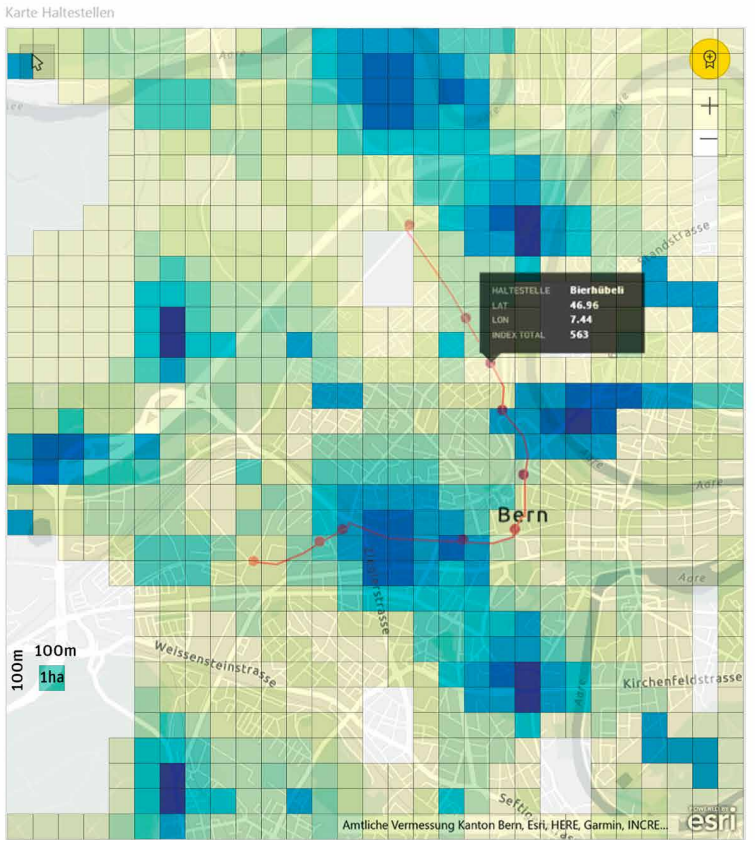
Haltestellen bedienen 20773 Anwohner (im Umkreis von 300m)	Reduktion durch Systemwechsel (Diesel auf Elektro) 1178 Tonnen CO2 (pro Jahr)
beeinflusst die Lebensqualität von 3535 Anwohnern entlang der Linie (Anwohner entlang Strasse)	

Betreiber: **BERNMOBIL**

Linie: **11 Neufeld P+R - Holligen**

Linie Profile

Station	Index Luft	Index Lärm	Index Erschliessung ...	Index Infrastrukturen	Index Nahversorgun...	Index Baumassezahl	Index Freiraum	Index Raumnutzer
Bierhübeli	19	5	100	100	100	97	42	100
	7248	691	4856	68	884	100	21	100
	Einwohner	Total Wohngebäude	Total Wohnungen	Ausstiege	Einwohner	Total Wohngebäude	Einwohner	Total Wohngebäude
Bollwerk	19	7	100	100	100	100	21	100
	7248	691	4856	68	884	100	21	100
	Einwohner	Total Wohngebäude	Total Wohnungen	Ausstiege	Einwohner	Total Wohngebäude	Einwohner	Total Wohngebäude



electro-Mobility-Information Planning

towards a smart e-bus system



e-MIP

The rapidly growing mobility and digitization are among the most significant challenges of the 21st century. In order to shape the future, it is important not to lose sight of global trends and to make targeted use of local framework conditions. The e-MIP tool developed by HESS and the Bern University of Applied Sciences is an excellent starting point for this. e-MIP meets the most varied requirements and has distinguished itself through continuous development.

Testing areas

City of Bern, city of Biel

Performance

The e-MIP tool allows to present the urbanistic context and the impact of new electric bus lines.

Targets

Quantitative arguments to reduce greenhouse gas emissions and to increase residential quality development by use of electric buses.

Methodology

Automated and data based urbanistic analysis for the evaluation and decision making of new electric bus lines in the battery-supported public bus transport, particularly for «Dynamic Charging», considering energy data (CO₂ emissions) and mobility data.

Added values

Individual Cockpit with presentation of (examples, depending on delta CO₂ emission, data basis in case of modified systems)

- Concentration (residents, local supply, ...)
- Presentation of residents on existing/new line
- Potential passengers in the environment of existing/new bus stop
- Overview entries and exits
- Statistical energy consumption of systems/Messures values for electric buses
- Statistical conduct of residents regarding public transport
- Incline, length, average time

Data integration

Data of Opensource (for example openstreetmap.org, publictransportdata.swiss), producer, transport services, city administrations, BfS, etc. Integration in GIS data base and evaluation/visualisation in Microsoft PowerBI.

A project of: Innosuisse, BFH, HESS



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Innosuisse – Swiss Innovation Agency



Density
Urbane Entwicklung und Mobilität

