

trolley:2.0
for smart cities

Barnimer Busgesellschaft
BBG

Trolley 2.0 final conference

Use case Eberswalde



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topics

1. from ELIPTIC to TROLLEY 2.0
2. approach
3. summary



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1. from ELIPTIC to TROLLEY 2.0

Eliptic

Trolley 2.0



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Europäische
Kommission

trolleybus

Barnimer Busgesellschaft



- electrification of public transport in cities
- 2015 – 2018
- goal: research of possibility to replace diesel bus line into hybrid trolleybus line
 - research of needed data for a trolleybus battery
 - digital simulation
 - test drives in Eberswalde with 1st hybrid trolleybus



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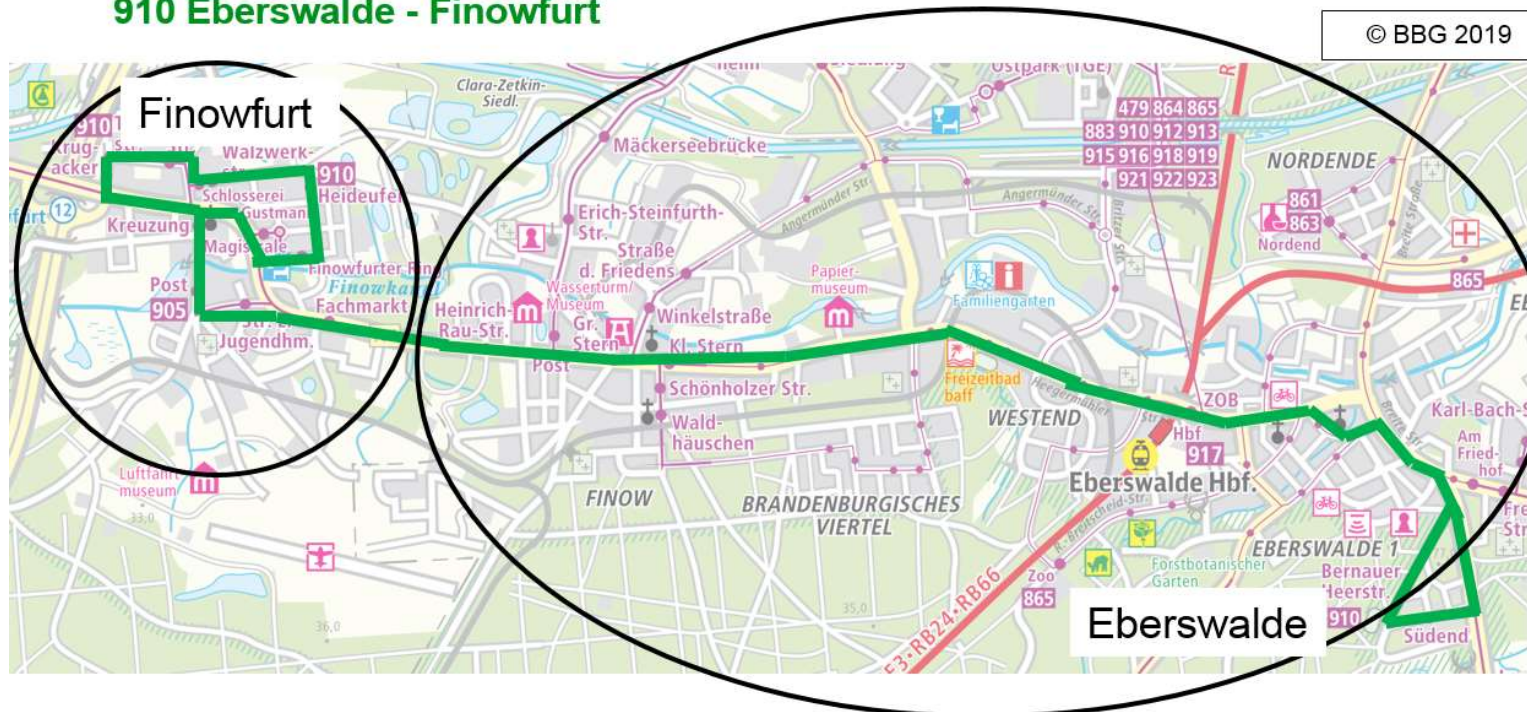


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Kommission

2. approach

910 Eberswalde - Finowfurt



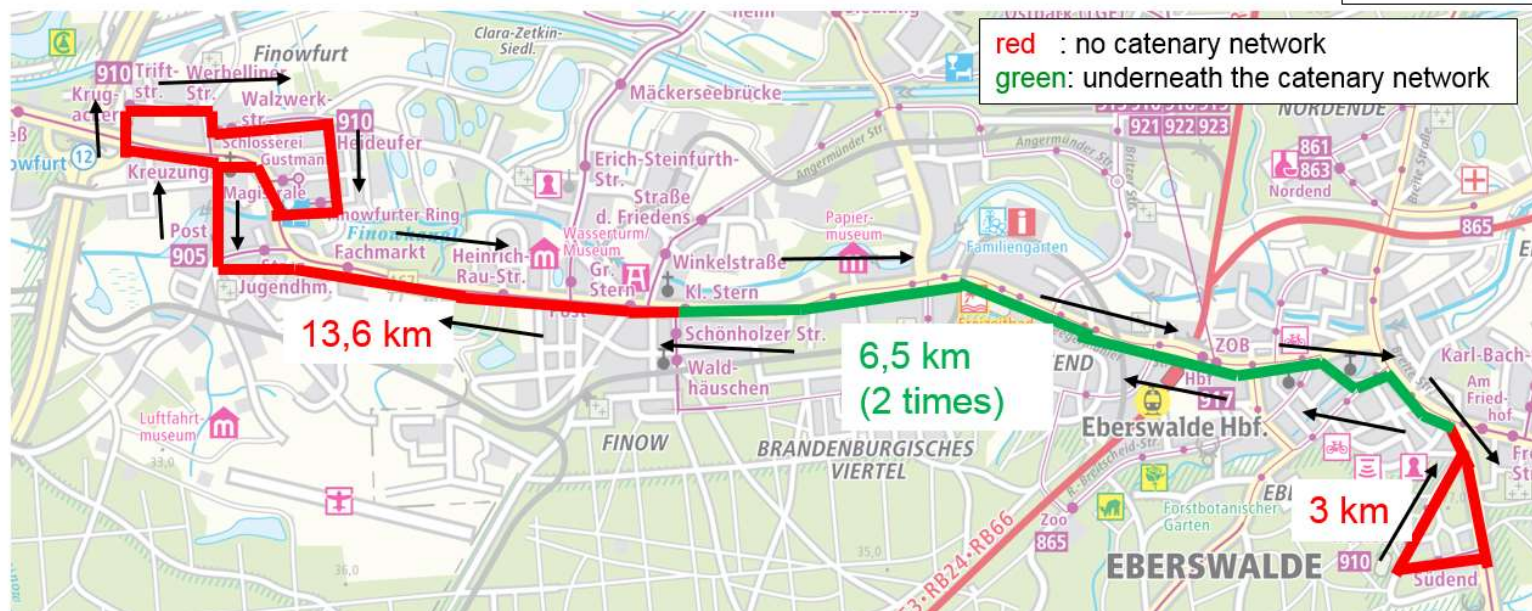
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Europäische
Kommission

regional IMC-trolleybus line
910 Eberswalde – Finowfurt

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Total length of one lap: 29,6 km



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Europäische Kommission

3. summary

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• close communication with electric supplier needed for retrofit	• simulation made in ELIPTIC was too technical based
• existing trolleybus fleet is capable of hybrid usage	• COVID-19 / corona virus
• great gain of experience and knowledge of the trolleybus	• unforeseen technical difficulties



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Thank you for your attention.

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