Financial and technical assistance to enhance SUMPs

Planning the Gothenburg Cable Car – with the support of ELENA

Michelle Coldrey
City of Gothenburg
A Sustainable city – open to the world
From a larger town – to a green and close knit city

• Transition from a large town to a green and dense city (where nothing is far away)
• Rapid growth of the city puts higher demands on the transport system
• Many big infrastructure and building projects in the near future
• Creating an attractive, clean and safe city centre and separating freight transports from pedestrians and cyclists
Transport Strategy (SUMP) – 3 main objectives

TRAVEL – an easily accessible regional centre

URBAN ENVIRONMENT – A more attractive city centre

FREIGHT TRANSPORT – the logistics centre of the Nordic countries
Reaching our goals with the help of the cable car

Objective 1 Travel – an easily accessible regional centre

• Improve transport connections to, from, and between important points in the city by further investments in public transport. Unburden the hubs.

• Seamless travel

• Increase accessibility of local services, businesses, meeting places and other common destinations.

• Improve the efficient use of streets and roads.

• Create an urban density/close knit – bridge the gap over the river.

• Meet the transport needs of more people

• By 2035 at least 55 % of trips by motor vehicles will be by public transport

• Travel time between any two transport hubs or popular destinations will be a maximum of 30 mins by car and public transport.
Reaching our goals with help of the cable car

Objective 2 Urban Environment – a more attractive city centre

• To strengthen the city’s competitiveness.
• Redistribute street space, creating more areas where people can meet and get around more freely.
• Higher degree of connectivity and density
• Create a finer and more cohesive network of streets without barriers.
• Less noise, better air, less vehicles on the road.
• Incorporating our citizens in the process.
Reaching our goals with help of the cable car

By increasing energy efficiency in transport, support modal shift to public transport and the use of emission-free energy sources, the Cable Car contributes positively to the achievement of many local, regional, national and EU targets.
Innovation and added values

• Support innovation and the introduction of new solutions
• Well-known technology – new application
• Achieve many local, regional, national and EU targets
• Aerial short cuts in the city opens for higher urban density
• One of the first cable cars which are fully integrated in public transit system in the western world
• Connects high-tech clusters in Västra Ramberget, Lindholmen and Järntorget
• The first new-added technique in public transit in Sweden since the 1930s.
• Wind stability for high reliability
• An extra reason to visit Gothenburg
ELENA – planning the cable car

• Project Management
• Dialogue, public involvement and Communication
• Preparation of zoning, permits and land acquisition
• Technical specifications
• Integration with existing public transport services and technology
Cable car Implementation Unit

City of Gothenburg, administration

Cable Car Project Board
Senior management, City of Gothenburg, Västrafik

Viagraft, management

Project management, WP1
Head of Unit, site head of unit
Expert agile leadership
Expert cost benefit evaluation

Work packages 2-13: Only CIENA-supported WP’s are shown below. See chapter 3.3 for further details.

WPS: Dialogue, public involvement and communication
Head of communication, Expert stakeholder dialogues
Expert communication & dialogue

WPS: Preparing of zoning, permits and land acquisition
Experts in planning and permission (2)
Expert trade & real-estate issues

WPS: Technical specifications
Head of technical specifications
Expert safety & security
Expert environmental impacts & permissions

WPS: Integration with public transport
Expert traveller experience & customizing
Expert station design/ programming

Main Contractor Planning & Construction

Other external experts
Financing the project

Estimated cost: 120M Euro

Secured finance
ELENA: 2.8M euro
Swedish state: 28.1M euro
VGR: 36.5M euro
City: 36.5M euro

- Sverigeförhandlingen genom nationell plan (225)
- Sverigeförhandlingen genom regional plan (45)
- Västra Götalandsregionen (210)
- Göteborgs stad (210)
- Staten genom Stadsmiljöavtal (280)
- EU genom ELENA (30)
- EU genom CEF (100)
- Privata aktörer (0)
GOTHENBURG CABLE CAR – facts & figures

- Investment cost: ~120 M€
- Annual operation cost: ~2-4 M€
- Operational staff: ~35-55 full-time employees
- Capacity: 2-3000 pers/hour/direction
- Frequency: Every 45 seconds
- # Stations: 4
- # towers: 6
- Length: 3000 metres
- Travel-time end-to-end: 12 minutes
- Operation starts: Fall 2021
- # Gondolas: 36
- # persons/gondola: 25
- Running hours: 19 hours/day, 7 d/w
- Travel speed: 21 km/h
- Estimated demand: 3-4 million travellers/year
Thank you!

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https://stadsutveckling.goteborg.se/en/projects/cablecar/