Cable Propelled Transit
An independent level of urban transport
The desire to use the third dimension

In utopian cities of the past, flying saucers and other vehicles would populate urban airspace...
Ropeway systems - Aerial tramway

- large cabins
- large spans between towers
- wind stability up to 100 kph
- system capacity up to 2000 pphpd

shuttling back and forth

1 haul rope
2 track ropes
fixed grip
up to 200 passengers
max. 45 km/h
Ropeway systems - Monocable gondola detachable

- small cabins
- detachable cabins
- high frequency
- system capacity up to 3600 pphpd

Source and Photo: Doppelmayr

1 rope
detachable grip
up to 15 passengers
max. 22 km/h
Ropeway systems - Tricable gondola detachable

- detachable cabins
- high frequency and large cabins
- system capacity up to 6000 pphpd
- large spans between towers
- wind stability up to 100 kph

1 haul rope
2 track ropes
2 detachable grips
up to 38 passengers
max. 31km/h
This is what it takes to move 10,000 people in one hour...

In one hour, a ropeway carries up to...

...10,000 passengers
(5,000 in each direction).

That means a ropeway can replace up to...

...100 bus journeys or...

...2,000 car trips.
The performance of URBAN CABLE

- overcomes physical barriers
- runs independent from traffic congestion
- integrates with public transport systems
- little land take
- energy-efficient
- low noise level
- quick implementation
- high availability
- low capital costs
Applications for Cable Transit
Where are Urban Cable Cars?

78-ATW Marquam Hill, USA
20-ATW Bozen Kohlern, ITA
15-MGD Constantine, DZA
15-MGD Tlemcen, DZA
15-MGD Skikda, DZA
8-MGD San Agustin, VEN

35-TGD Seilbahn Koblenz, DEU
8-MGD Jewel Cable Car Ride, SGP
8-MGD Mileniumski Krst, MKD
8-MGD Teleférico de Gaia, PRT
10-MGD Emirates Air Line, GBR
10-MGD Providencia, BRA

8-MGD Mariche – Tramo Expreso, VEN
8-MGD Rio Chama, VEN
8-MGD Batumi Transit, GEO
10 MGD La Paz BOL
15-ATW Polinka Wrocław PL

Politechnika Wrocławska

- Length: 371 m
- Vertical Rise: 1 m
- Speed: 5.0 m/s
- Capacity: 366 pphpd
- Travel Time: 2 min
10-MGD Emirates Airline London UK

Length 1103 m
Vertical Rise 1 m
Speed 6,0 m/s
Capacity 2500 pphpd
Travel Time 3,5 min
35-TGD Seilbahn Koblenz DE

Length: 948 m  
Vertical Rise: 114 m  
Speed: 4.5 m/s  
Capacity: 3600 pphpd  
Travel Time: 5 min
35-TGD Seilbahn Koblenz DE

EIN GUTES BEISPIEL:
ÜBERLEGTE PLATZ -
AN BEHINDERTE MENSCHEN UND
ÄLTERE MITBÜRGER GEDACHT

SOZIALVERBAND DEUTSCHLAND E.V.
LANDESVERBAND
RHEINLAND-PFALZ / SAARLAND
35-TGD Seilbahn Koblenz DE
8-MGD Singapore
8-MGD Singapore

An intermediate station integrated in a shopping centre

- Length: 1800m
- Vertical Rise: 2 m
- Speed: 5,0 m/s
- Capacity: 2800 pphpd
- Travel Time: 10 min
Cable Transit in the Port of Rotterdam?
Cable Transit in the Port of Rotterdam?
Cable Transit in the Port of Rotterdam?
Cable Transit in the Port of Rotterdam?
The future of urban mobility is above our heads!

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