Cycling as part of the E-mobility strategy of Stuttgart

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Málaga, Spain

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Stuttgart

- Stuttgart is the capital of Baden-Württemberg
- 590,000 inhabitants
- 207 km² area
- Part of the Stuttgart Region with 2.7 Mio. inhabitants
- 472,000 work places in the city
- International city – 26% of citizens with migration background
Stuttgart and urban mobility

- 348,000 registered cars (590/1000 inhab.)
- 1,400 km of streets (70% with speed limit 30 km/h)
- 800,000 cars are crossing city borders per day
- 6 Metro lines, 16 Light rail lines, 56 Bus lines
- 1 Million public transport users per day in the Stuttgart Region
- **160 km cycle paths**
- 400 public stairs with more than 20 km length
- One of world’s leading car sharing cities with 1,320 cars per 1 Mio. inhabitants

**Modal Split of Stuttgart Residents**
- Cars: 45%
- Pedestrian: 26%
- Public Transport: 24%
- Bicycle: 5%
Cycling and Stuttgart – a contradiction?

Stuttgart – The “Auto-Stadt”

- Stuttgart is the worldwide leading center of the automotive sector. Brands like Daimler, Porsche, Bosch and Mahle are trademarks in the field of urban mobility.

Competence Center for Urban Mobility

- Stuttgart hosts a cluster of research and development institutions, e.g. 2 Max-Planck institutes, 5 Fraunhofer institutes and 2 universities.
- Stuttgart is also hosting the Cities for mobility network with more than 600 members in 83 countries.
Stuttgart - a city for cyclists?

Stuttgart – The Green City

• 50 % of the city is green area
• 40 % of the area is under landscape protection
• A maximum of 300 meters of distance to the next green area for every citizen

Stuttgart – The Hilly City

• Stuttgart is located in a valley with several hills
• The difference in altitude is up to 320 m
• Ideal city for cyclists driving downhill

• The question “... and uphill?” leads to the E-mobility strategy of Stuttgart
• Registered cars January 2014: **44 million**

• Target of the German Government:
  • **1 million electric vehicles in 2020**

• Registered full electric cars: **12,500**
  • **+9,500 in 2014 !!!**

• Registered hybrid-cars: **85,500**
  • **+ 27,000 in 2014 !!!**

• Pedelecs: **1.6 million**
  • **+430,000 in 2014!!!**
The Action Plan for Sustainable Mobility

- **Main objective:** Better quality of life in Stuttgart
  - Less pollution
  - Less noise
  - Less congestion
  - Less stress

- **9 Fields of action**
  - More than 100 measures
  - Based on transport development plan 2030
  - Dynamic part of Stuttgart SUMP
Today: The car-friendly city
Tomorrow: The people-friendly city
The mobility strategy of Stuttgart

E-mobility in Stuttgart

Infrastructure
- 500 charging points

Incentives
- Free parking

Information
- 2MOVE2 events

Cooperation
- 500 e-smarts
• Call a bike system:
  • 450 bicycles and 100 pedelecs
  • 44 stations
  • Terminals for easy handling
  • Each terminal has two plugs for charging on the backside

• Bicycles 30 minutes for free, then 8 cent/minute
• Pedelecs 12 cent/minute
• Special tariffs for frequent PT users and students

• Next bike pedelecs in the Stuttgart region:
  • 2 Euro/hour
  • Night-tariff 6 p.m. to 8 a.m 2 Euro
Cycling and e-mobility in Stuttgart - Incentives

• Close partnership with public transport consortium VVS
  • Special car and bike sharing tariffs and discounts for frequent PT users
  • Easy access to bike sharing by Stuttgart Service Card starting in Summer 2015

• Corporate mobility management
  • The „Stuttgart Pedelec“ as official vehicle for city employees
  • Many companies offer free bike parking, showers and wardrobes for employees which commute by bike

• 5 Cycling stations at big public transport sites
  • Up to 200 bikes can be stored for low fee
Cycling and e-mobility in Stuttgart – Information

• 2MOVE2 Information and training events for
  • Elderly
  • Youth parliament and pupils
  • Migrants

• Cycling app by Stuttgart-Tourist Office

• Yearly bike action days

• Critical mass since 1999
Set signals of acceptance!

Grips at lampposts

Our city hall on bike!!

Cycle parking at the wall of the city hall

Mayor Fritz Kuhn and the Transport Minister Winfried Hermann promote cycling

100 one-way streets are open for cyclists
Every city is a cycling city!
Critical Mass Stuttgart February 6, 2015, 125 cyclists

Kältezyklus
Temperature: - 2°
Thank you!

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