Inclusive & Innovative Urban Mobility
“Think people in transport for livability”

v/ Helle Søholt, Partner & CEO
Cities for People requires integrated planning

Gehl Architects aspires to create cities that are lively, healthy, sustainable, attractive and safe - thereby improving people’s quality of life.
Transport is all about understanding behavior...
A flexible fine grained transport system makes a lively city
Accessability enables equity and quality of life
People with high income bike more in Copenhagen!
People and transport is about hardware & software

In Copenhagen you grow up as a cyclist
Building sustainable cultures: Copenhagen mobility

**All trips**
- 35% Bicyling
- 7% Walking
- 26% Car
- 32% Public Transport

**Copenhagener**
- 50% Bicyling
- 13% Walking
- 24% Car
- 13% Public Transport
our cities ourselves
10 Principles for Transport in Urban Life

Connecting transport planning & urban design
Principles Overview
Principle 1: Walk the Walk!

Great cities start with great pedestrian environments. Walking is the most universally accessible form of transport.

Every journey begins and ends with walking, streets that are designed to prioritize pedestrians can also improve health, economic activity and safety.
Walk the Walk!
Create great pedestrian environments

Canopies create critical shade for walkways. Dubai, UAE

Ensure simple, direct street crossings always at grade. Rio de Janeiro, Brazil

Invite people to walk everywhere in the city
Continuous sidewalks over sidestreets gives pedestrians priority. Copenhagen, Denmark
**Principle 1: Walk the Walk!**

**What does it mean for the planet:**
Residents living in walkable urban communities use half as much energy in BTU's per capita as their suburban counterparts.

**for you:**
I am likely to have a longer and more healthy life because walking is an enjoyable part of my everyday routine.

If I walk an average of 2 km a day while growing up, I am 10% less likely to be obese.
Principle 2: *Powered by People*

The more cycle use on streets, the safer they become. *When a good bicycle network is established, people continue to bike regardless of age, wealth, or weather.*

Dedicated space for non-motorized transit, like bike lanes, provides safety and convenience to riders, [free from potential conflicts with vehicles], and a great incentive to ride.
Powered By People: Case Study

City for Cyclists
Copenhagen, Denmark

Blue dedicated lanes at intersection increases awareness and safety

Biking - an everyday activity for all age groups.

Commuting modes in Copenhagen 2008

37% bicycle, 28% public transport, 4% car, 31% walking
Principle 2: *Powered by People!*

**What does it mean**

*for the planet:*

Biking is the most efficient form of transportation yet invented. Using the same amount of energy you get 3 times as far as walking (and 60 times as far as driving an automobile).

*for you:*

If I bike to work instead of taking the car for the next 20 years, I will save $100,000 more for my retirement, live 7 years longer, and cut 94 tons of CO$_2$. 

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*Image Description:*

- A graphic showing a globe with the Earth visible, depicting the planet Earth. Below the globe, there is a speech bubble containing the text about the efficiency of biking compared to driving.
- On the right side, there is an image of a man riding a bicycle, next to another speech bubble that explains the benefits for the individual if they bike to work instead of driving a car for 20 years.
Energize public space with mixed-use development and ground floor activities. Mixed-use means you are closer to everything and places are safer and livelier during all hours.

Great neighborhoods are often mixed use, blending commercial and residential uses, with trees, plazas and other public spaces. This diversity attracts people who live and work in the area, but also visitors who come to shop, eat or simply enjoy the street-level vibrancy of well-planned, mixed-use communities.
Mix it up

Mix people and activities, buildings and spaces

Foster a fine-grain mix of uses in the three dimensions

Vertical diversity - mix of functions and uses from floor to floor

Inside - outside connections - permeable frontages

Horizontal diversity - small units, many entrances
Principle 6: *Mix it up!*

What does it mean

*for the planet:*

- Mixed use development can reduce average vehicular miles travelled per person per day by 30%.

*for you:*

- The daily activity most injurious to happiness is commuting (by car). With a shorter commute, you’ll be happier!
Connect the blocks: Case Study

Bo 01, Malmo, Sweden

The new area has become a meeting place for all inhabitants, a place where anything can happen.

Aerial view of Bo01 development

Narrow, short, shifted streets and small squares creates a varied streetscape suitable for walking.
NYC Dept. of Transp.

with Gehl Architects,

Published: 13 Nov 08
MAKE NEW YORK MORE SUSTAINABLE & LIVABLE

CHANGE OF MIND SET

REDUCE CAR TRAFFIC
CONGESTION PRICING
MORE EFFICIENT USE OF STREETS
NEW PARKING STRATEGY
HIERARCHY OF STREETS

INVITE ALTERNATIVE TRANSPORT
MAKE IT MORE PLEASANT
CONVENIENT TO BICYCLE,
WALK AND USE PUBLIC TRANSPORTATION

IMPROVE PUBLIC REALM
INVITE PEDESTRIANS AND PUBLIC LIFE
BETTER SQUARES, STREETS AND PARKS

PUBLIC REALM STRATEGY
Great potentials with compact urban form and flat topography
Political leadership
Goal: To see the possibilities in asphalt.....
...possibilities to impact behaviour and culture!
Building sustainable cultures: New York World Class Streets

Midtown Evaluation Report
17% improvements in travel time
11% increase in pedestrian numbers
63% decrease in injuries
84% increase in stationary activities
74% Times Square has improved dramatically

www.nyc.gov/html/dot

GEHL ARCHITECTS
URBAN QUALITY CONSULTANTS
Gehl Architects working with UNAM in Mexico City

**Task:**
To develop a “Mexico City Model for establishing a bicycle culture”

**The Gehl Team**
Urban expert Jens Rørbeck, Troels Andersen, Gil Penaloza & Projekt Manager Ass. Lin Skaufel
Much more than a bicycle project

People spend on average 2.5 hours in transport
95% of all street are incompact bikable districts
80% of all trips are below 8 km.
Great Potentials:

1. Flat topography
2. Coherent Urban Form
3. Lively neighbourhoods
4. Tree covered streets
5. New BRT lines
MOBILITY ORIENTED DEVELOPMENT

GEHL ARCHITECTS
URBAN QUALITY CONSULTANTS
Thank you