

# Podcar City 9

Innovative mobility in the era of automation

*Silicon Transportation!*

4-6 november 2015, Silicon Valley, California 

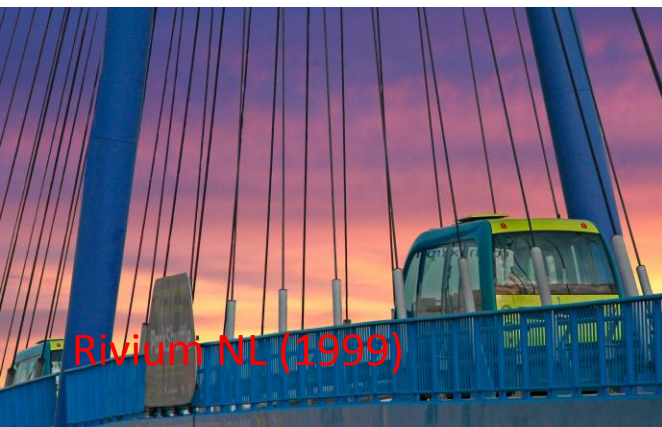
[www.podcarcity.org](http://www.podcarcity.org)

## Podcars for Internal Accessibility

Magnus Hunhammar

CEO, IST

# Six systems open for public

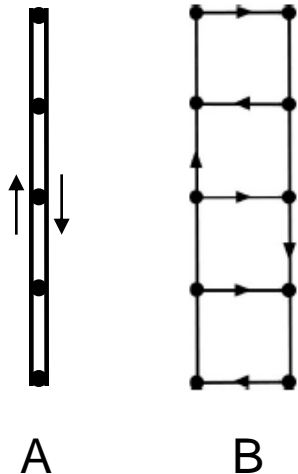


# ATN industry is mature for larger net

*Example of a modest increase:*

A: two-way track with 5 stops

B: Line separated: network with 10 stops

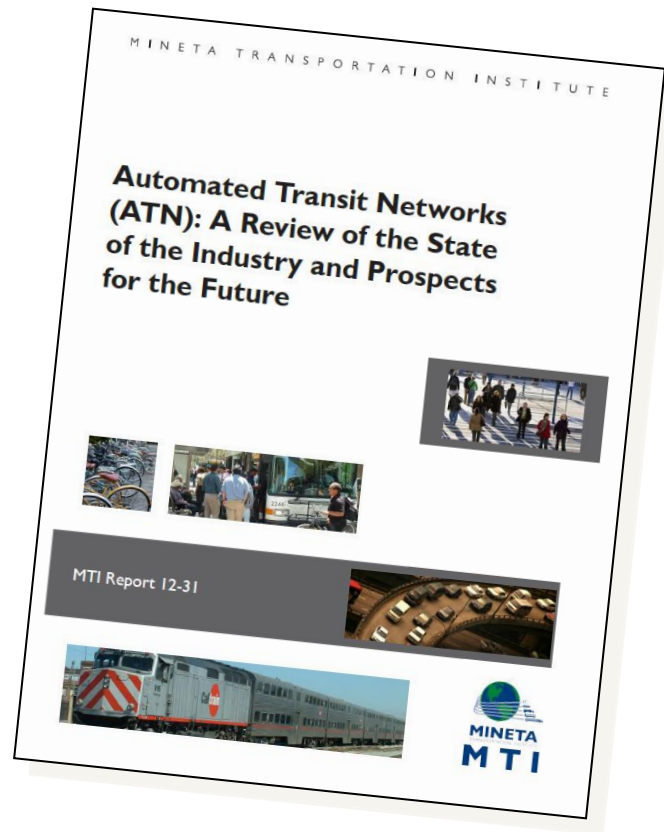


## ***Effects A -> B:***

Corridor -> Service area

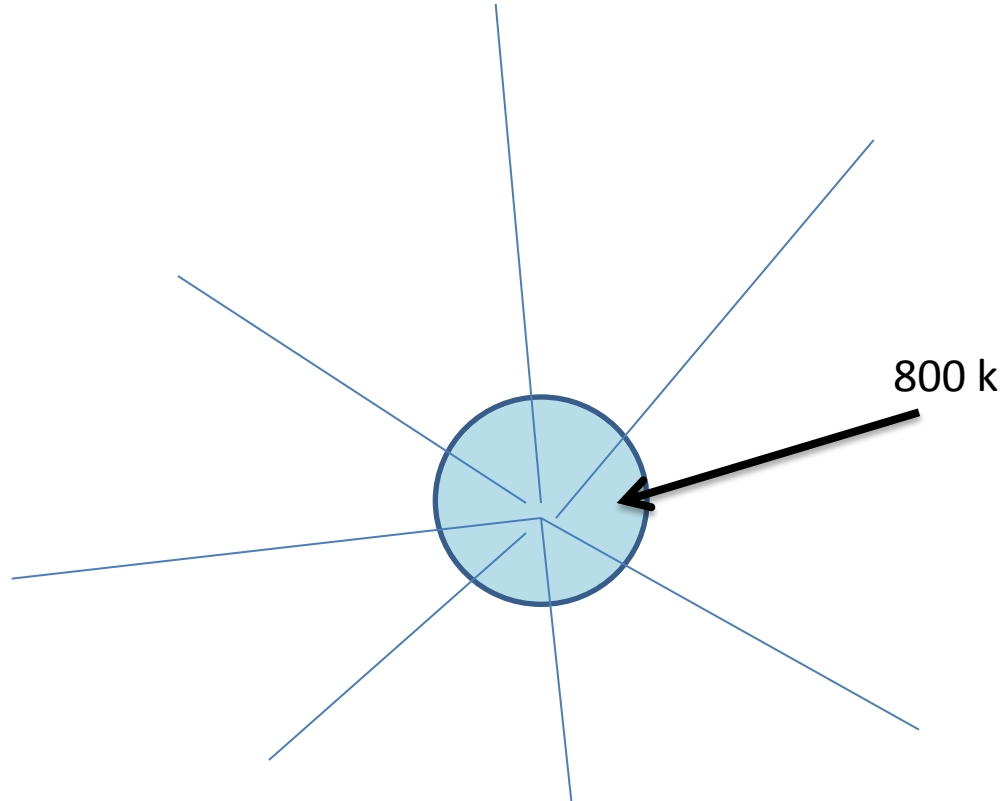
+ 63 % track length

+ 350 % Origin-Destination pairs  
(from 20 to 90 O-D pairs)



# Urban development

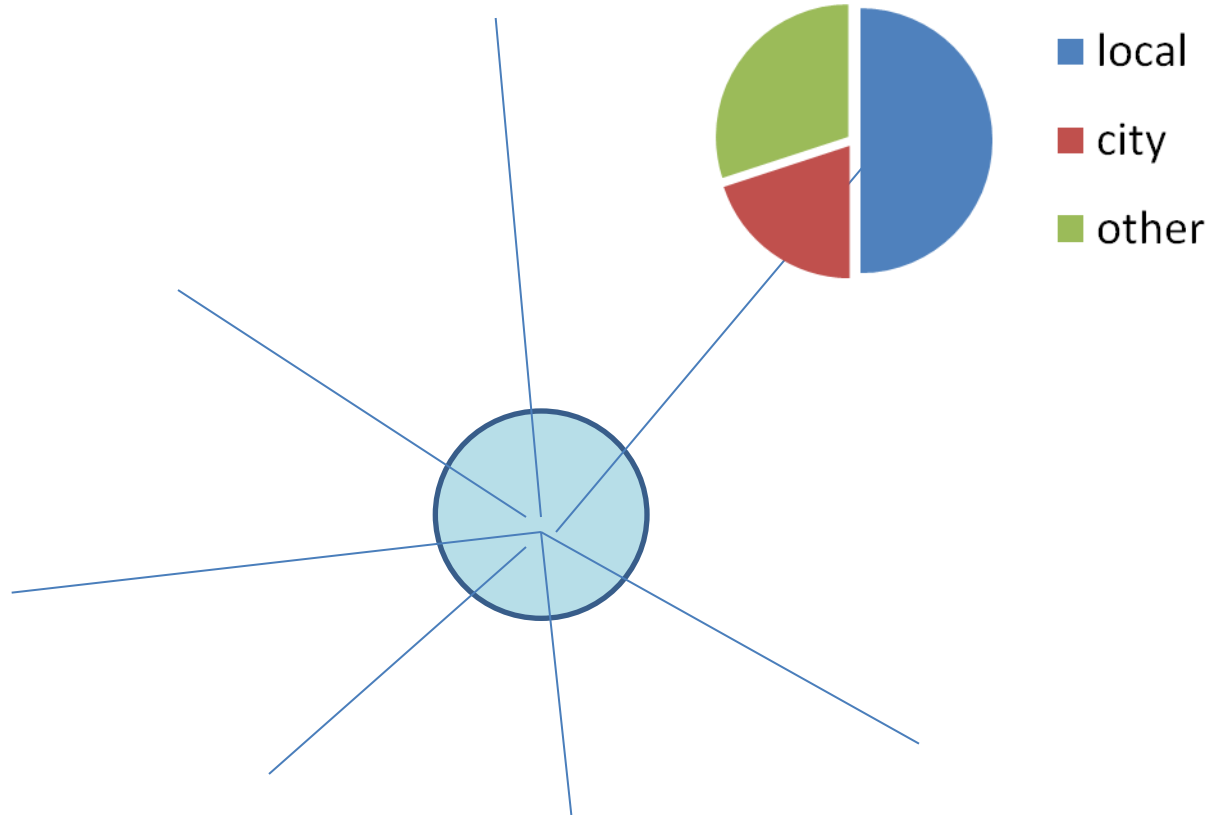
## Example Stockholm



1860	100 k inhabitants
1960	800 k inhabitants

**Today 2 m inhabitants**

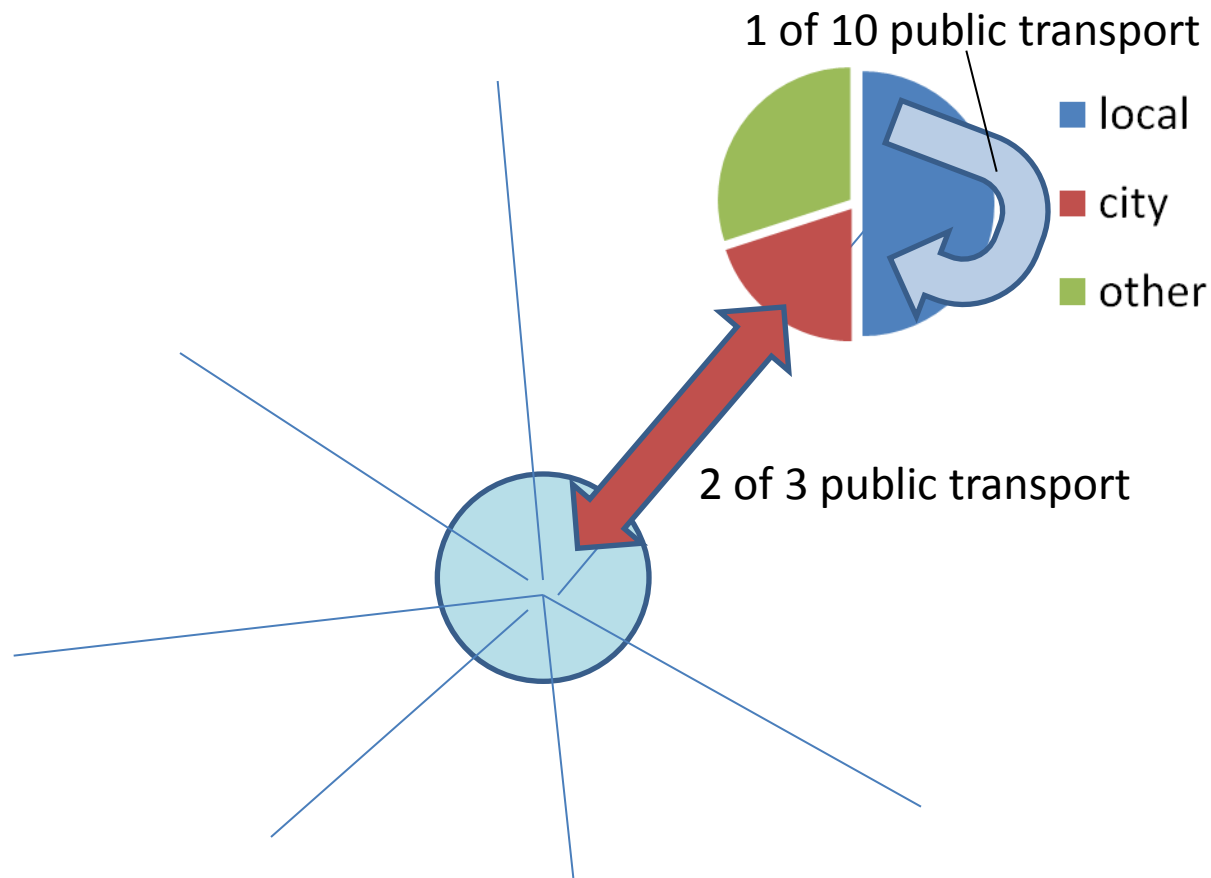
# Suburbs - travel pattern



Average, winter, 16-64 years  
50 % local trips  
20 % to city (commuters)  
30 % other destinations



# Suburbs - mode split



Average, winter, 16-64 years  
50 % local trips  
20 % to city (commuters)  
30 % other destinations

Data: Värmdö, Sigtuna/Arlanda

# Example Värmdö (Ingrid)

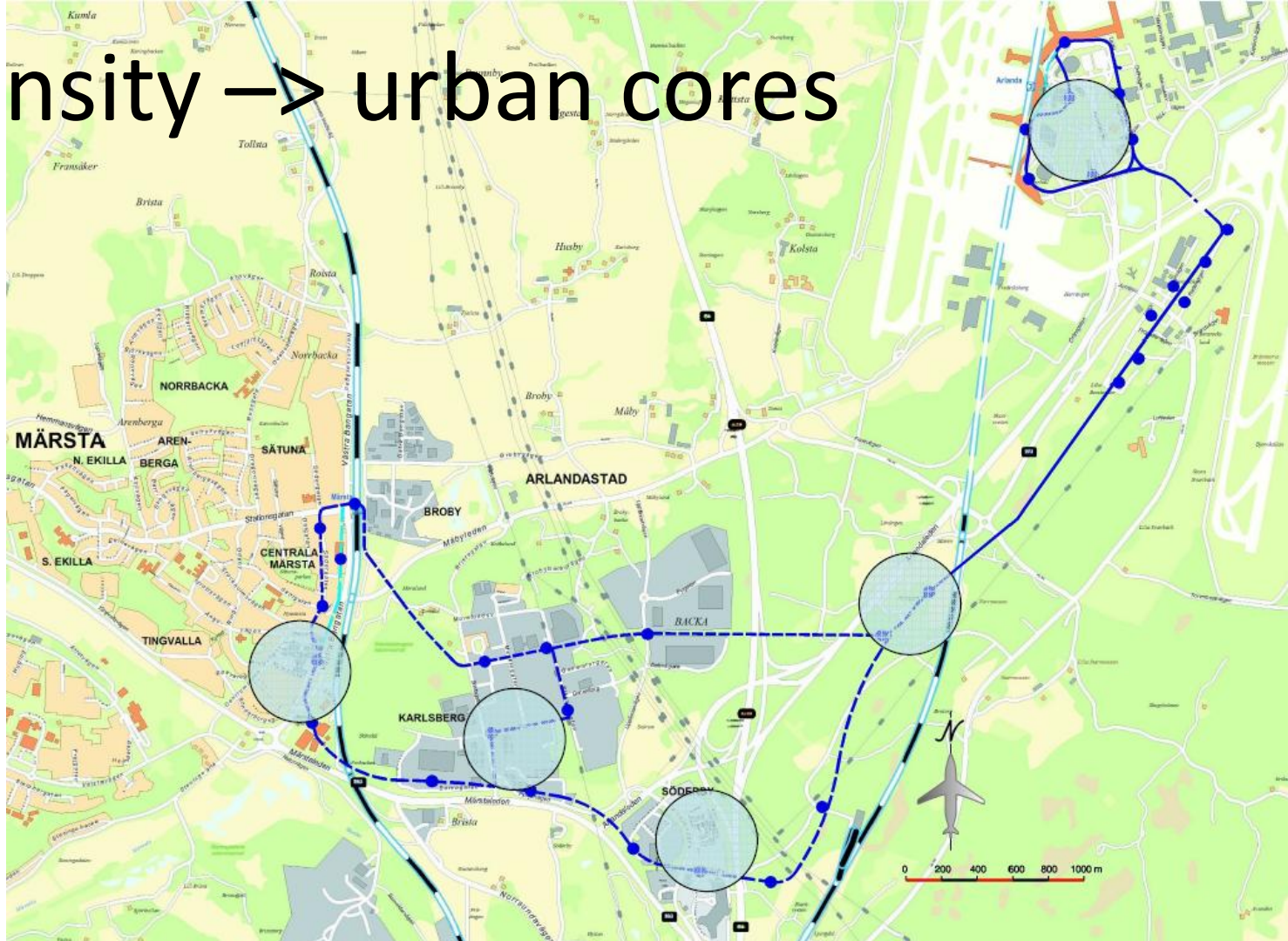




# Low density → urban cores

**Airport City  
Stockholm**  
800 ha (4 mi<sup>2</sup>)

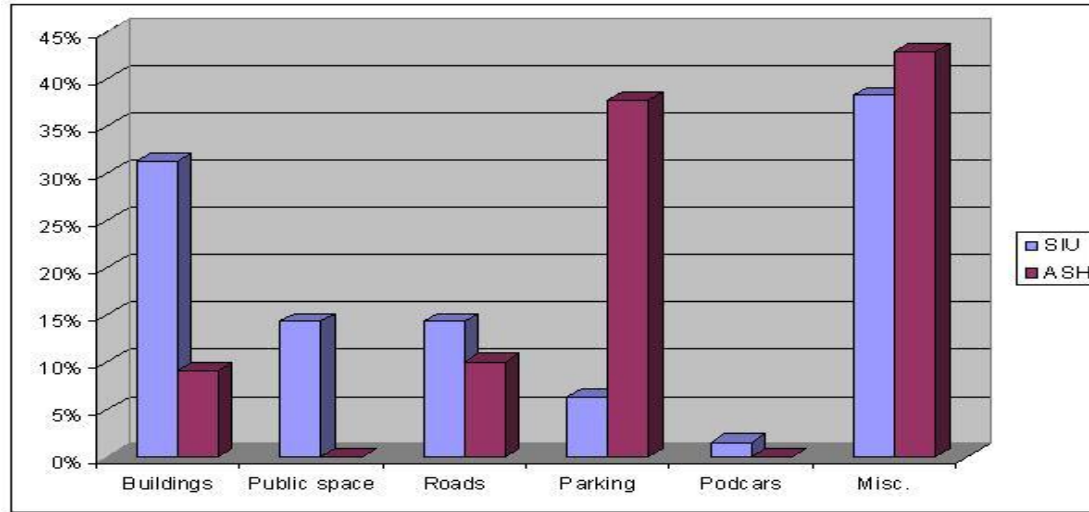
*Master plan:*  
grow from 20 000  
to 50 000 work-  
places in two  
decades



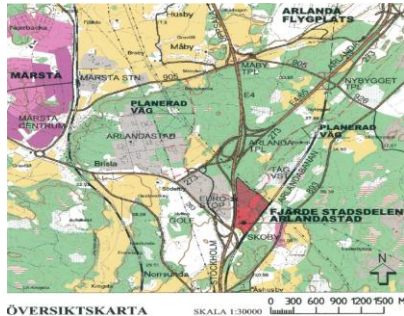


# More value from better land use

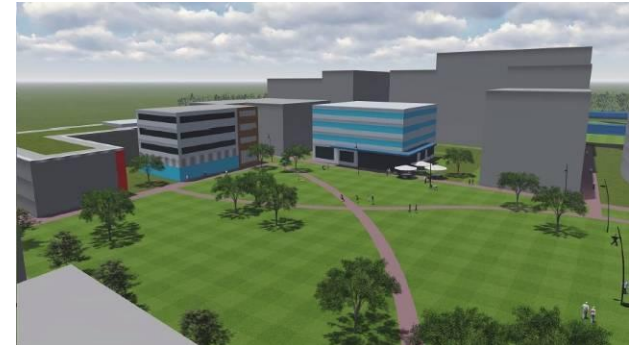
Existing plan 2005



Public space



Masterplan Courtesy: Khalil, Schweiss, Quinn



# The man on the street

## Added values

### Commute to work:

- easy access locally, regionally – also early hours
- don't have to use car – save costs
- travel time of your own use
- fixed travel time – don't miss appointments
- democratic – for all (young, old, handicapped, poor, no driving license, ill, etc)

### Customers:

- easy access internationally, nationally, regionally and locally – good for your business

### Lunch breaks, afternoon activities:

- easy access to all local attractions
- local restaurants – no micro oven

### Family:

- total offer with housing, school, services, leisure, culture, sports, etc.

### Office environment:

- more public space, less parking space – room with a view?
- street life, social qualities, clusters

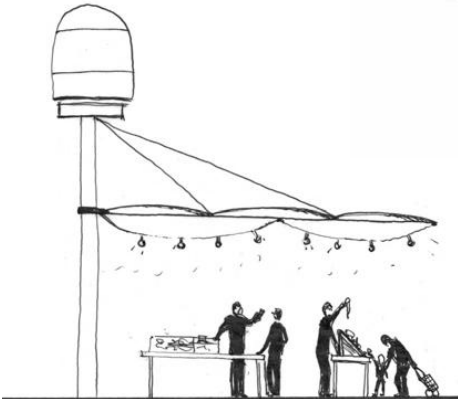
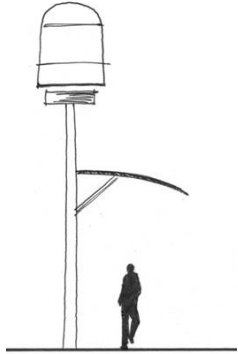


### And image:

- it is fun to ride (at least for customers)
- cutting edge – profile of green technology your company can benefit from

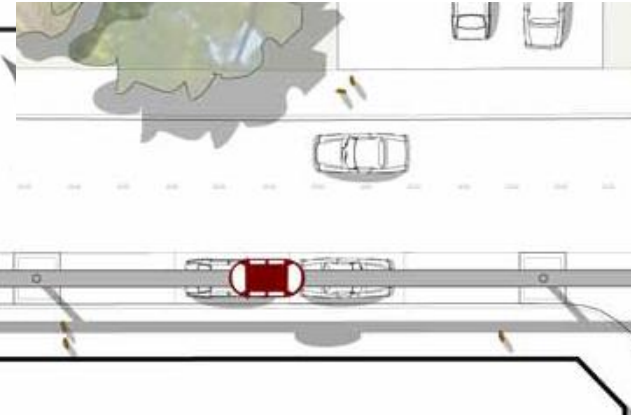
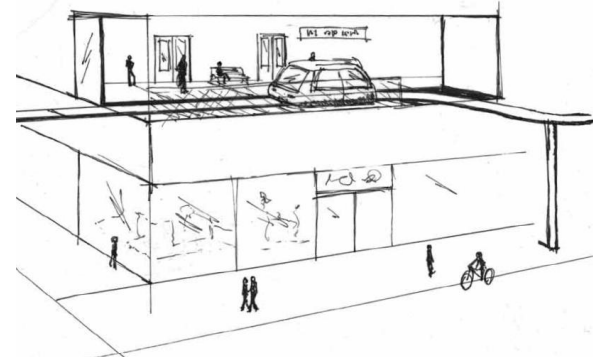


# Walking environment (in Podcar City cores)



Hjalmar Branting Square,  
Gothenburg, Sweden

Source: Petter Larsson, SLU







Thanks for Listening