Strategic Transportation Planning in Israel

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Strategic Plans

1. Travel in Israel in a Nutshell
2. The Strategic Approach
3. Selected Plans
Travel In Israel

Travel Demand

- Population: **9.5 million**
- Urban population: **Over 90%**
- **4** Metropolitan population share: **75%**
- Tel Aviv is the business center

![Map of Israel with population statistics and transportation routes]

44% of population
55% of jobs

Most trips are metropolitans
Most long trips are between metropolitans

National cellular Survey data, 6-9 AM, 2018
• More than 70% of motorized trips are less than 5 km, (THS 2017)

• 60% of motorized trips are less than 10 km, (Cellular survey 2018)
Low investment in the system
Low frequency
Low reliability
Crowdedness

Haifa > Tel Aviv
Max. waiting time: 25 min.

Utrecht > Rotterdam
Max. waiting time: 15 min.
› Low investment in urban public transport

› The strategic plan estimated the investment shortage in 2012 as 250 Billion IS

Investment in metropolitan public transport infrastructure per capita*

*Israel public transport strategic plan 2012 calculation
Low coverage of frequent bus service

TLV bus line frequency score

- Excellent
- Good
- Not good
- Ahhh...
Israel metropolitan areas show a low level of sustainable mode share. High share of private car trips.

Eurobarometer 2020
TLV: travel habit survey, 2017
Population growth rate: **1.9%**
4.5 times OECD average
The network in 2030 will be significantly more congested than today due to the increase in population, standard of living and number of activities.

The roads alone cannot keep up with the increasing demand.

**BAU Scenario**

Increase in the length of roads, vehicles and Vkm traveled in Israel, 1970 - 2020
Travel in Israel

Road

Congestion

- Travel time in peak AM is **1.9** times higher than off-peak *

- Tel Aviv is ranked **21** out of 416 cities world-wide in congestion **

<table>
<thead>
<tr>
<th>Berlin</th>
<th>Madrid</th>
<th>Tel Aviv</th>
</tr>
</thead>
<tbody>
<tr>
<td>94</td>
<td>234</td>
<td>21</td>
</tr>
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</table>

*Travel time survey, google data 2022
**TomTom Traffic index, 2019
The strategic plan checked many Scenarios…

We found only one solution that works: Hierarchal high-capacity public transport system

Accompanied by:

- High quality service package
- Policy package: Congestion charges, Parking…
## The Strategic Approach

### Goals

<table>
<thead>
<tr>
<th>Goal</th>
<th>Current*</th>
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<tbody>
<tr>
<td>30%</td>
<td>27%</td>
</tr>
<tr>
<td>10%</td>
<td>1%</td>
</tr>
<tr>
<td>30%</td>
<td>9%</td>
</tr>
<tr>
<td>30%</td>
<td>63%</td>
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<tr>
<td>70%</td>
<td>37%</td>
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*Compilation of nation-wide travel habit survey, 2018*
High frequency
› Jerusalem - TLV
› 2019: 2 trips per hour
› 2040: **12** trips per hour

Reduce travel time
› Haifa -> TLV
› 2019: 50 minutes
› 2040: **30** minutes

Annual passenger trips
› 2019: 69 million
› 2040: **300-400** million
The TLV metro plan

- 3 Lines
- 109 Stations
- 150 km
- Serving 24 municipalities
- 450 million trips per year
Improved metropolitan accessibility
Improved metropolitan accessibility
Strategic plan

Bus network

Comfortable stations

Close to home 85% 500 m coverage

Branding

Bus arrives every 5-8 minutes

Simple network 25 lines

Priority ride

New electric bus
Focus on the client: Simple, Frequent, Reliable, Fast, Comfort
Strategic plan

Bus network

New bus stations in Ashdod
Strategic plan

TLV Bike

2019

18% (bike)
9% (car)
14% (bus)

2030

25% (bike)
30% (car)
25% (bus)

59%

TLV metropolitan travel habit survey 2018
How can we improve walking in our cities?
Too many parents drive their kids to school...

Compilation of nation-wide travel habit survey, 2018
Our Vision

Let’s ride together

Strategic plan

People
improving people’s quality of life: accessibility, health, safety, equality

Mobility
ensuring respectful, efficient, and reliable access for everyone

Space
The creation of a quality, green, and safe urban environment