

Transport Infrastructure in Israel

Railroads development projects
Transport Research at the Univ. of Haifa

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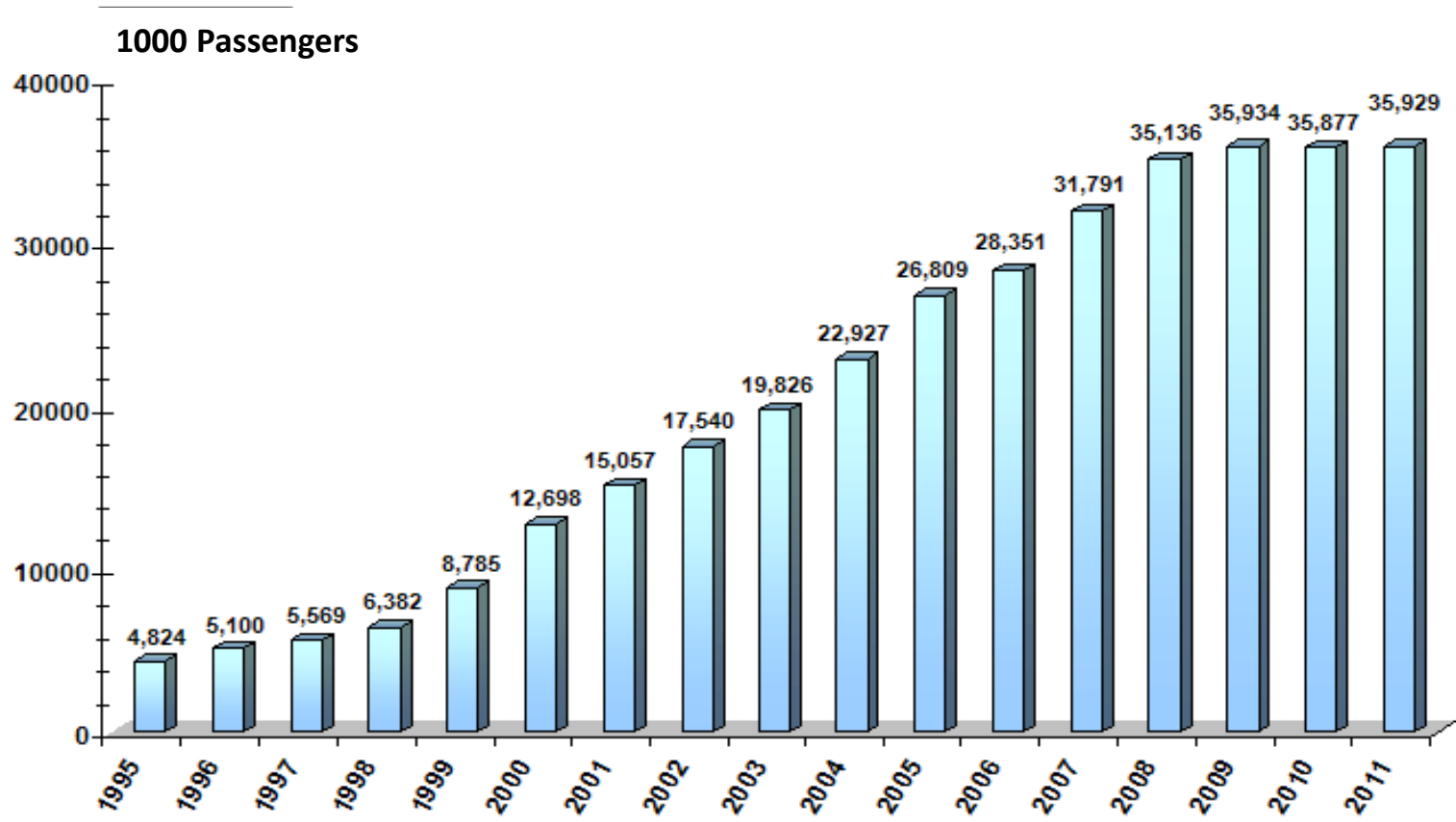
RAILMED – A project for MEDA 2020 **Lecce,**

Oct. 11-12

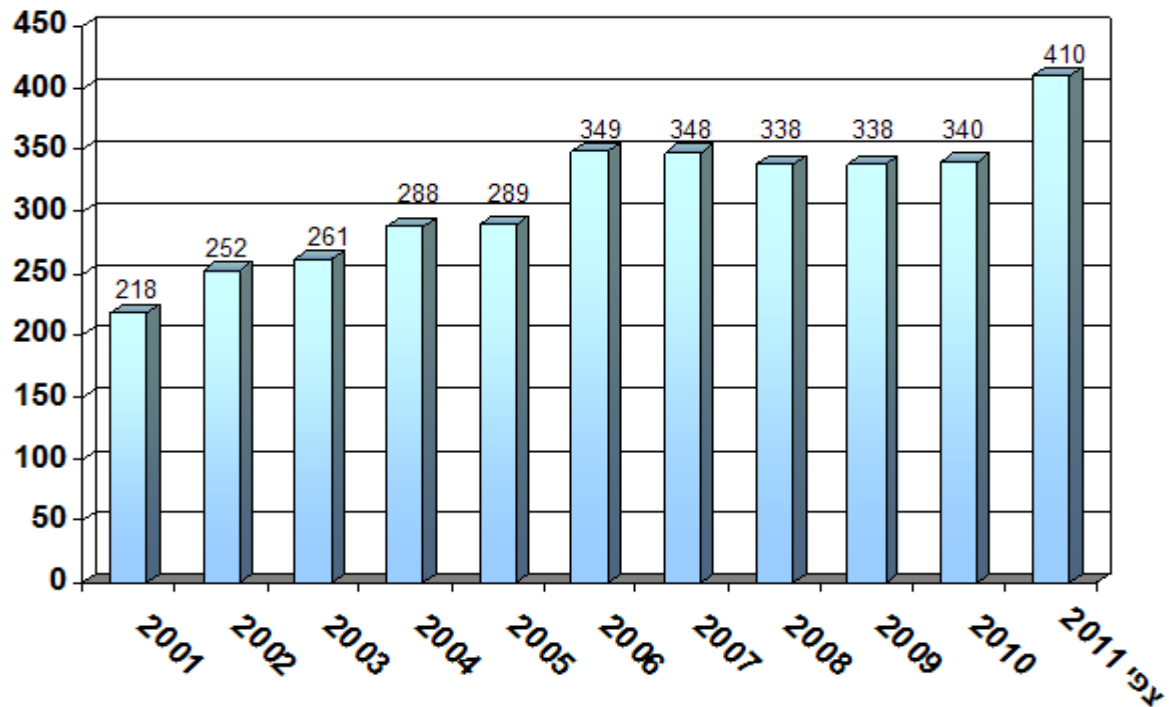
Railroads development projects

- ◉ Network and Services
- ◉ Traffic
- ◉ Rolling Stocks

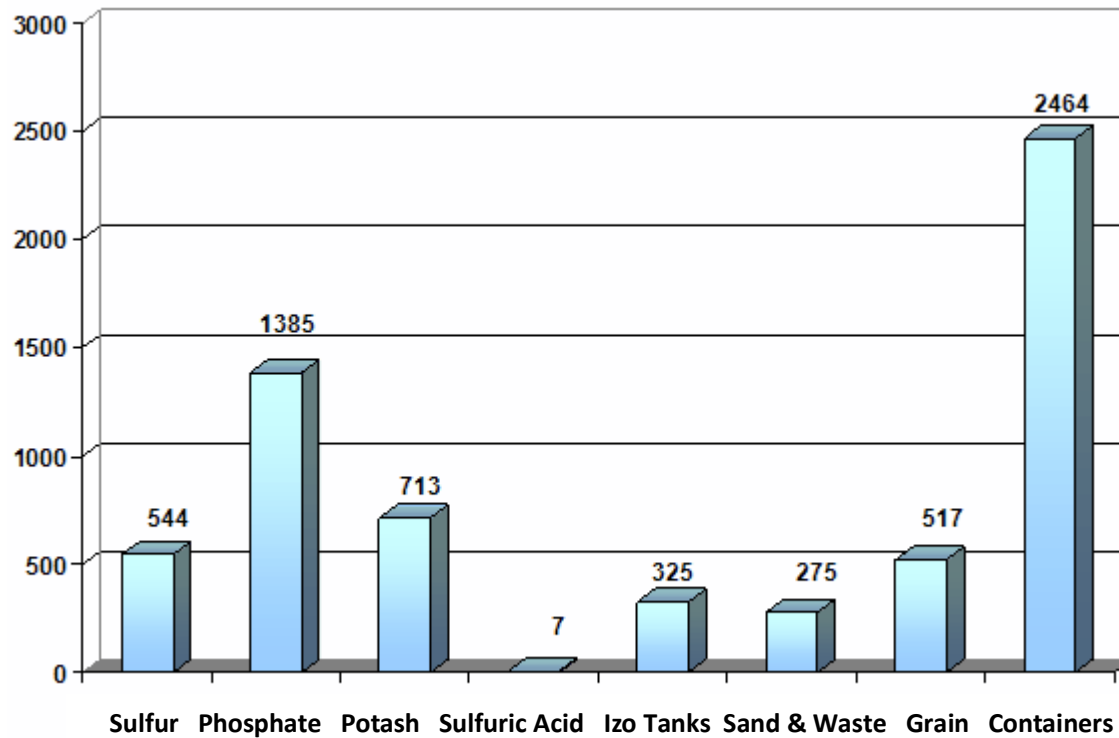
Rail Passengers 1995-2011



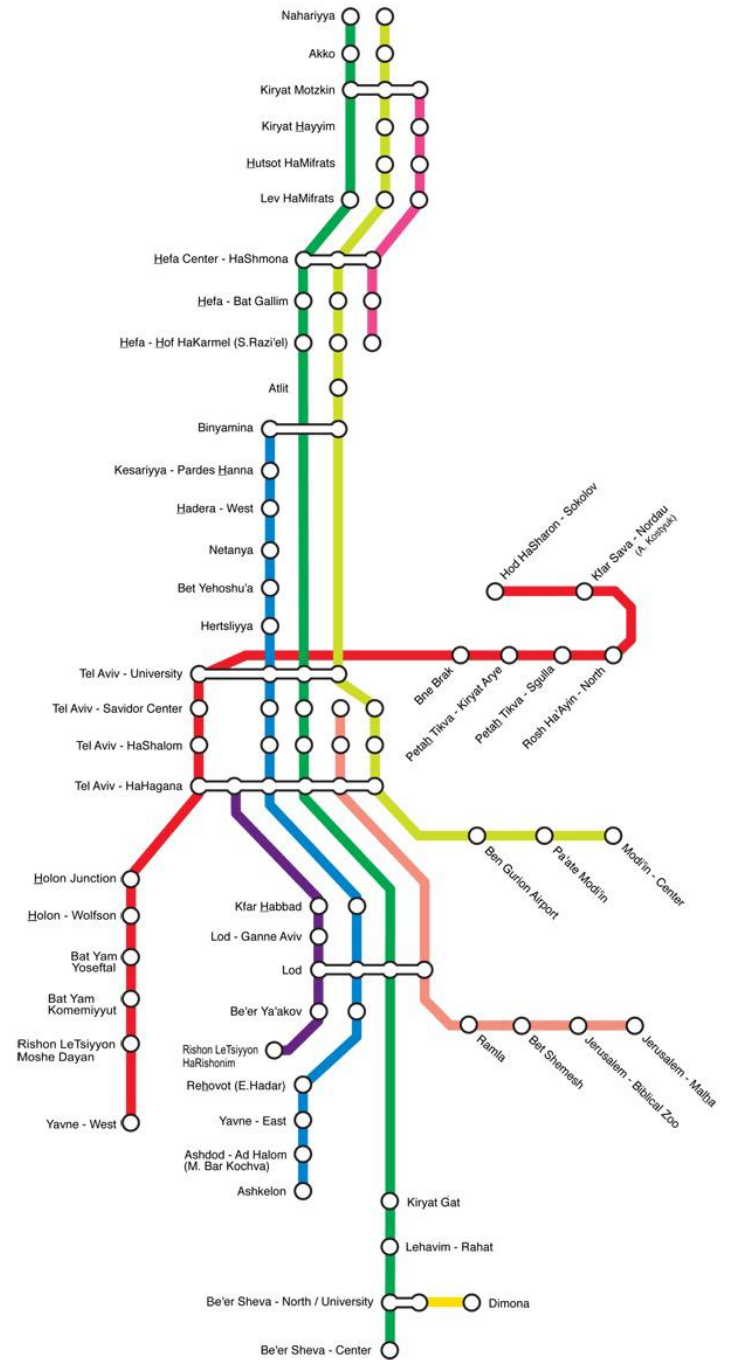
Trains Per Day 2001-2011



Rail Freight Commodities



Current Rail Network



The new line from TLV - Jerusalem

- TLV Airport to Jerusalem –57km
- 5 Tunnels with a total of 37 km long
- Advance HERRENKNECHT drilling machine
- 10 bridges with total of 6 km long
- About 700 m of elevation difference
- Electric trains
- Travel time – 28 min. (current time min)
- Completion date - 2017

Bridge on the way to Jerusalem



One of the 6 bridges



Approaching Jerusalem



Herrenknecht Drilling Machine

100 m long 13 m high. Drills 30m a day.



Bombardier Car unloaded at the Port



Bombardier Double Deck



Siemens Viaggio Light



Siemens New Train



Alstom Trains



Vossloh Euro 4000 Locomotive (Spain)



Freight Lines and Freight Terminals

(100 trains per day)



Container Train



Potash and Phosphates

from the Dead Sea to the Port of Ashdod



Bulk cargo in Southern Israel



Transport Research

- At the **University of Haifa**
 - Wydra Shipping Research Institute
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- At the **Technion, Israel Institute of Technology**
 - Transportation Research Institute
 - Samuel Neaman Institute for National Policy Research

Wydra Shipping Research Institute

- The Institute was established in 1969 as an independent public non profit organization.
- Since 1986, it became a research Maritime Institute at the University of Haifa.
- During the years it produced almost 200 research studies and a yearly publication on Israel shipping and ports.
- The Institute has a library and information centers which serves the academic programs on the campus

Samuel Neaman Institute for National Policy Research

- The Institute was established in 1978 to assist in research for solutions to national problems in science and technology, among them is the strategic physical Infrastructure.
- Main Issues for research includes: land transport (road and rail), seaports and airports.
- Example of research topics and clients: Israel 2028 – Vision and Strategy (infrastructure), research for Prime Minister office, Ports and Shipping administration & Civil Aviation Administration of the Ministry of transport.

Technion Transportation Research Institute

- Road and Pavements Engineering
- Road Safety
- Traffic Engineering and Control
- Transportation Planning, Urban Planning and
and
- Land Use
- Vehicle, Energy and Environmental Eng.
- Traffic Management Center
- Ran Naor Safety Center

Thank You