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Smart Mobility

AUTONOMOUS VEHICLES
Self-driving cars are expected to reduce traffic congestion and accidents.

INNOVATIVE APPS
Smartphones and mobile apps are boosting new urban mobility options.

ELECTRIC CARS
The demand for electric cars is growing as cities try to combat both air and noise pollution.

BANNING DIESEL CARS
More and more cities are placing bans on diesel cars in their fight against air pollution.

THE UBER EFFECT
On-demand service start-ups like Uber are changing the taxi market with dynamic prices.

RIDESHARING
Carpooling is being offered for both long and short distances.

CARSHARING
New public and private services are increasingly common, making it easy to move around the city without owning a car.

EASY PAYMENT
Cities are facilitating financial transactions for public transport systems.
Goals

- Support start-ups
- Support relevant academic research
- Create opportunities for knowledge exchange, contributions to IP, student training
- Contribute to Israel’s position as a leader in innovation in research and entrepreneurship
- Unique model – 3-4 month program, focus on customer validation.
- 1-2 rounds a year, approx. 10 startups per year.
- Researchers became founders/advisors in startups; student interns later employed by start-ups
Academic Research

✓ 22 separate research projects
✓ 2.8m NIS on research grants
✓ 7 institutions (4 universities, 3 colleges)
✓ 27 different researchers
✓ Wide range of fields: biofuels, intelligent transport systems, mobility as a service and demand-responsive services, aerodynamic drag and fuel consumption, traveler behaviour and choice, autonomous vehicle preferences, walkability, cyclist preferences...
Other Projects

**Formula student competitions**
- International competitions for student-based teams
- Recent years moving into EV and autonomous categories
- Developing skills in engineering as well as project management, leadership and finance

**Autonomous vehicle prototype**
- Funding to support purchase of AVs and sensors for research
- 3 year research plan – enabling AV research with experimental vehicles
Accelerating the smart mobility field in Israel

Cumulative Capital Raised by Israeli Transportation Startups ($M)

- 2006: $39
- 2007: $171
- 2008: $232
- 2009: $253
- 2010: $340
- 2011: $463
- 2012: $544
- 2013: $1,110
- 2014: $2,409
- 2015: $2,687
- 2016: $3,295
- 2017: $4,044
- 2018: $4,507
- 2019: $4,931

Graph shows an increasing trend in capital raised from 2006 to 2019, indicating growth in the smart mobility sector.