

Israel Innovation Authority

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רשות החדשנות
Israel Innovation
Authority



Hi-Tech - Major Impact on the Israeli Economy

8.3%

of Employees



12%

Of
Business
Sector GDP



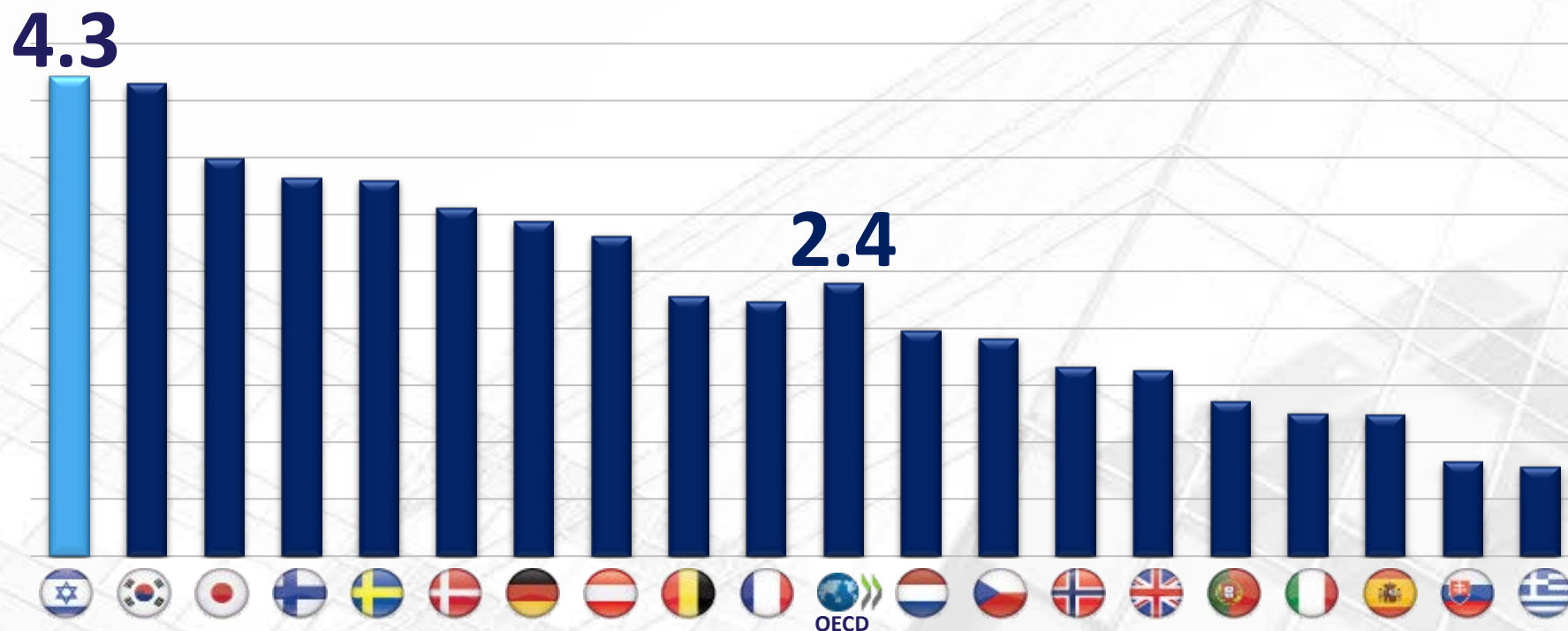
43%

of Exports



➤ Global Leadership in Research & Development

National expenditure on civilian R&D as % of GDP



Source: OECD, 2016

2017



~\$24B

Total exits – New record including Mobileye \$15B

\$5.2B

Capital raising

~700

Net new startup companies (2017)

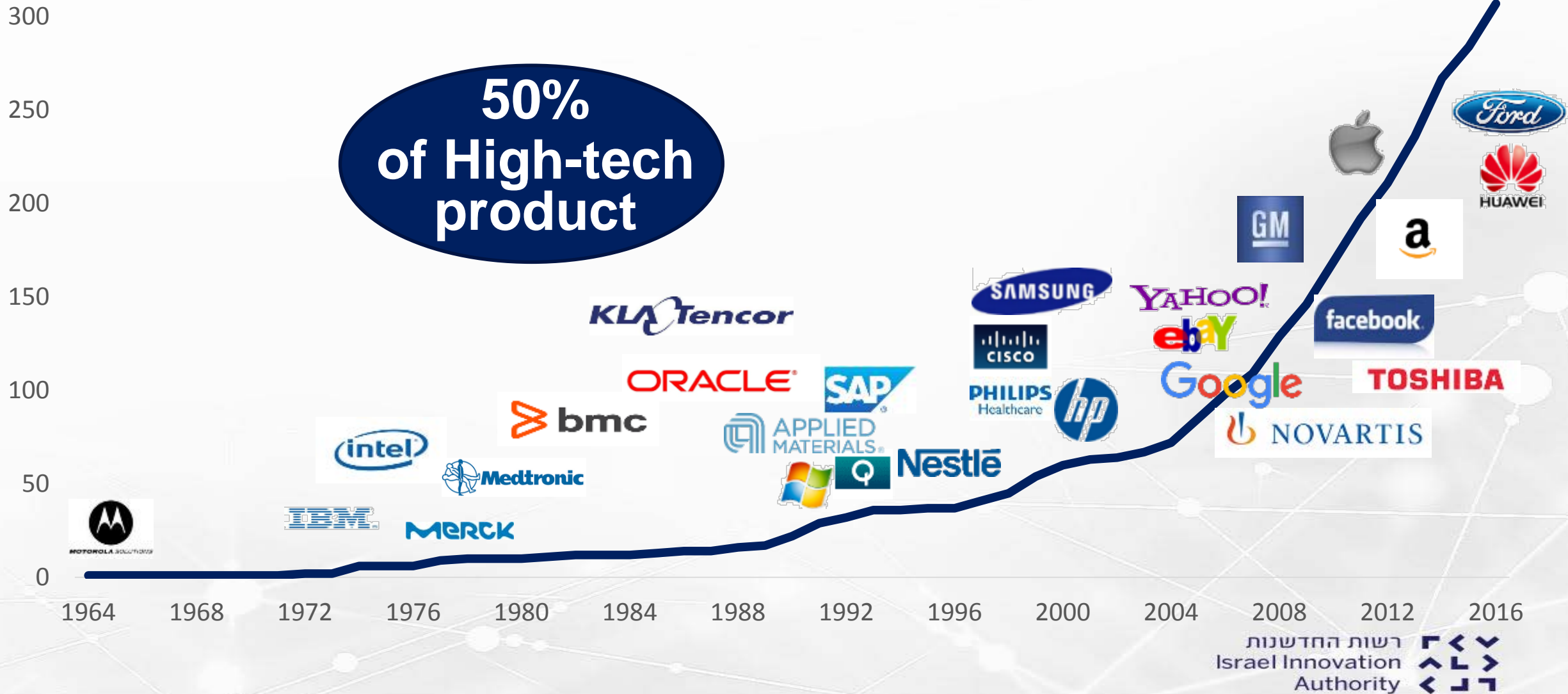
620

Annual transactions

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➤ Increased Involvement of Multinational Corporations in Israel's Innovation Ecosystem

50%
of High-tech
product





Our Mission

**Advancing innovation as a leverage for
sustainable and inclusive growth**



**Maintaining and
strengthening
innovation assets**



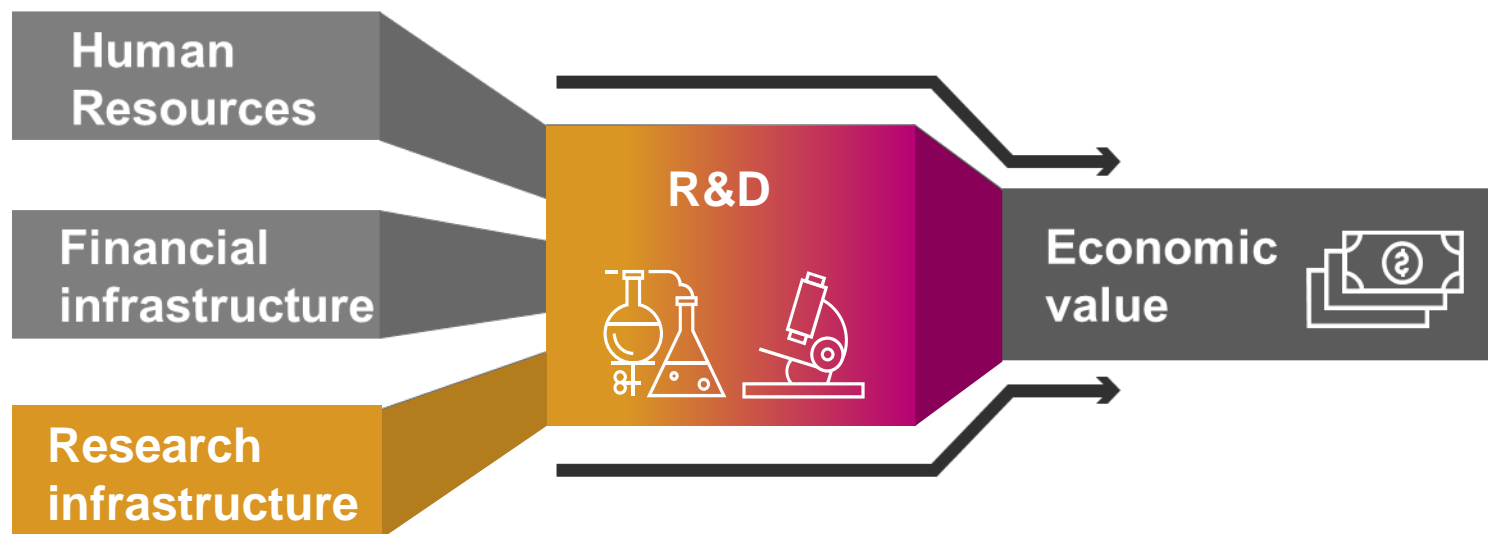
**Enhancing economic
impact**



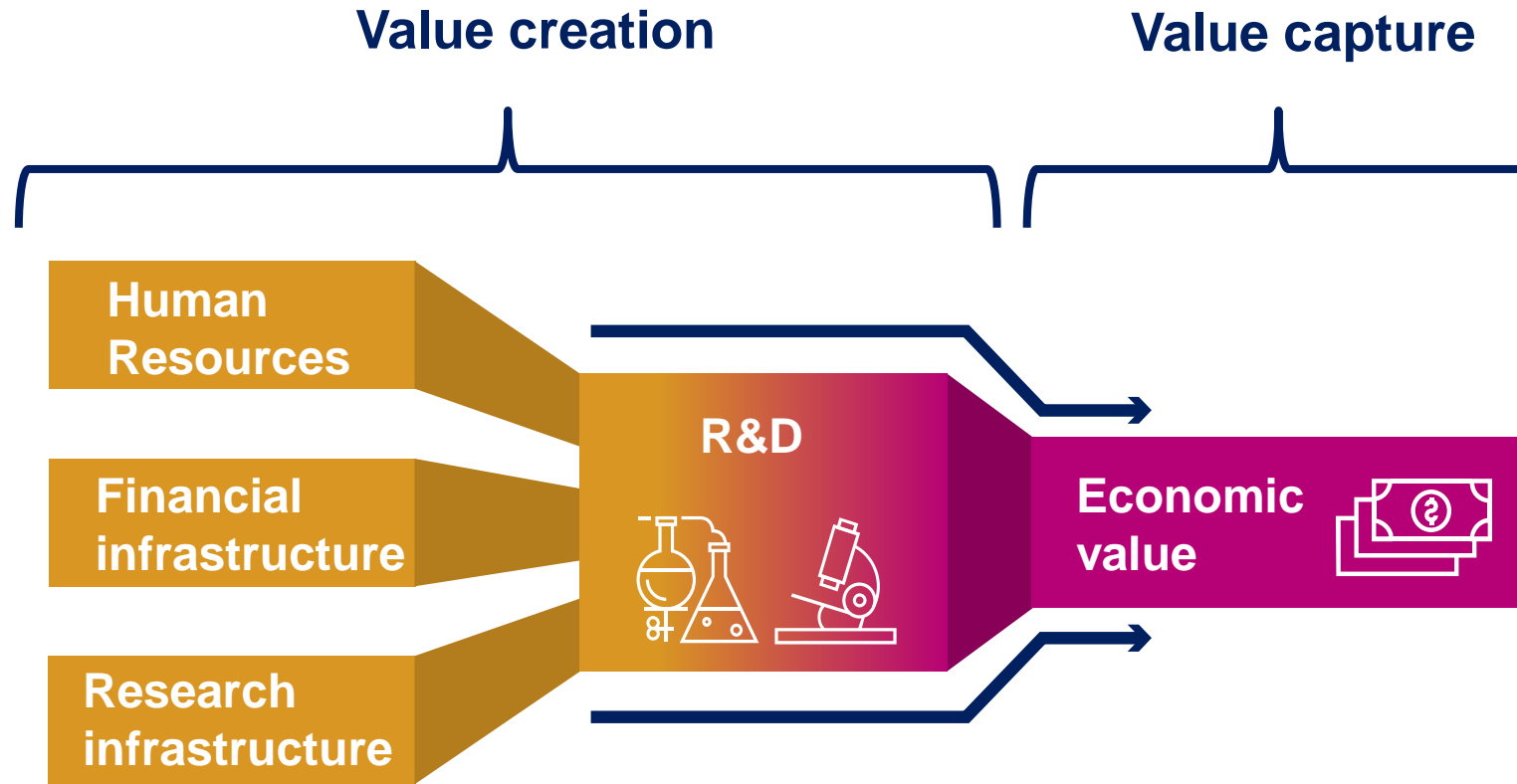
**Enabling future
technologies**



➤ Focus – Office of the Chief Scientist



➤ Expanding the Focus – Israel Innovation Authority



➤ Why Should Governments Support R&D?

➤ R&D suffers
from inherent market
failures

➤ Spillover

➤ Risk / Uncertainty

- Market failure is a condition for support
- The economy also benefits from failed companies!

➤ Principles of Innovation Policy



Neutrality

Grants based solely on technological excellence and business potential



Risk Taking

Financing firms with conditional loans; repayment based on royalties (no equity taken)



Matching

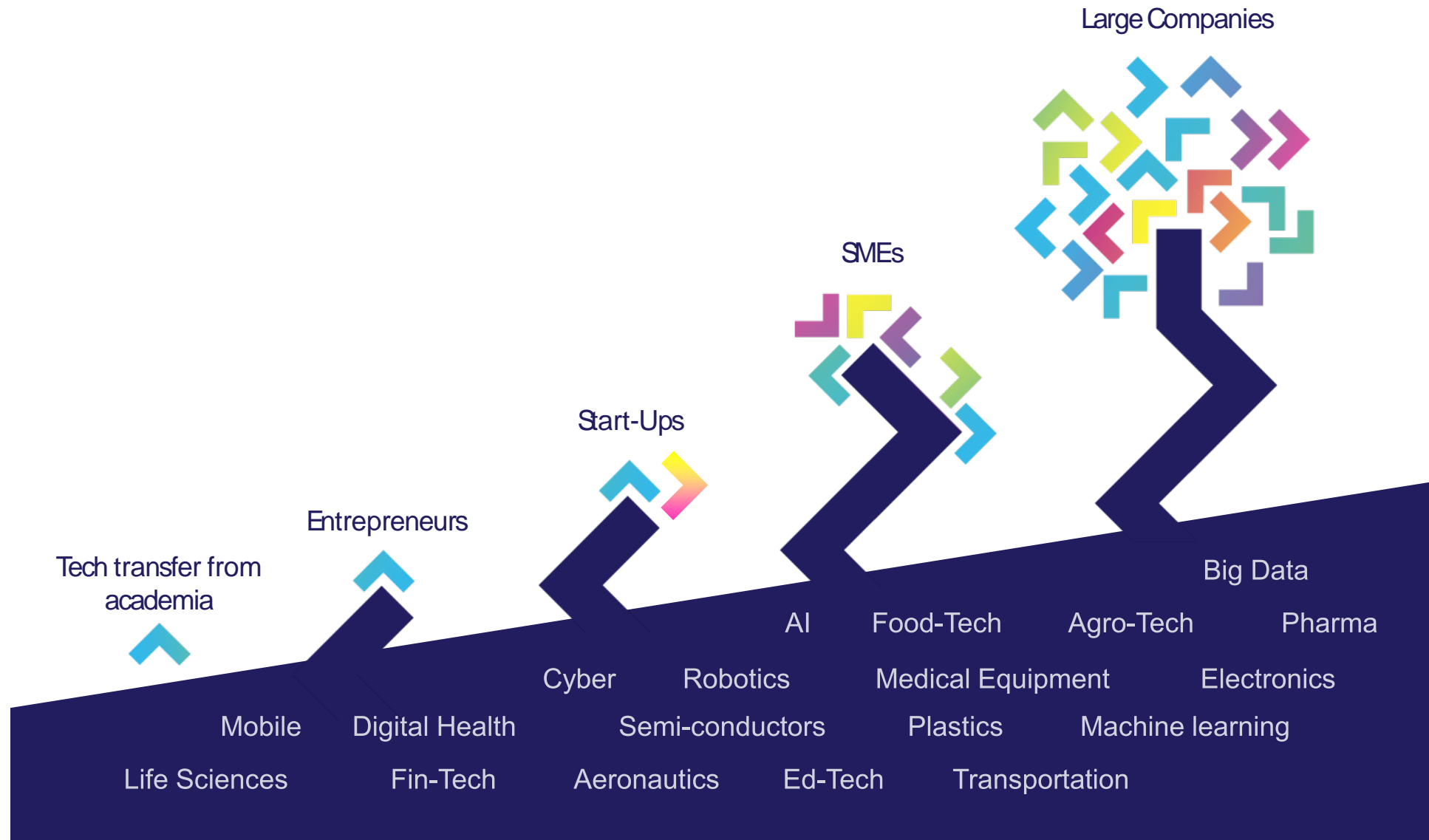
Matching government money with private money

Enabling the Market-
Not Leading It





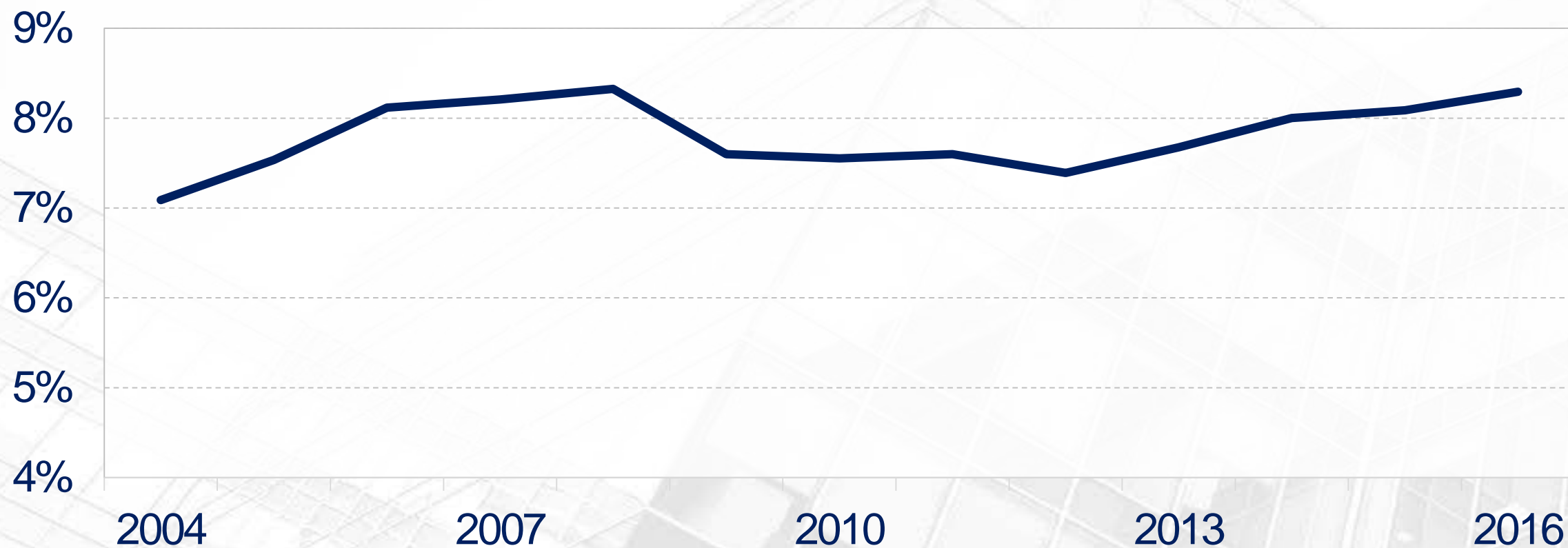
Funding all technologies and at all stages of innovation



2017 In Numbers

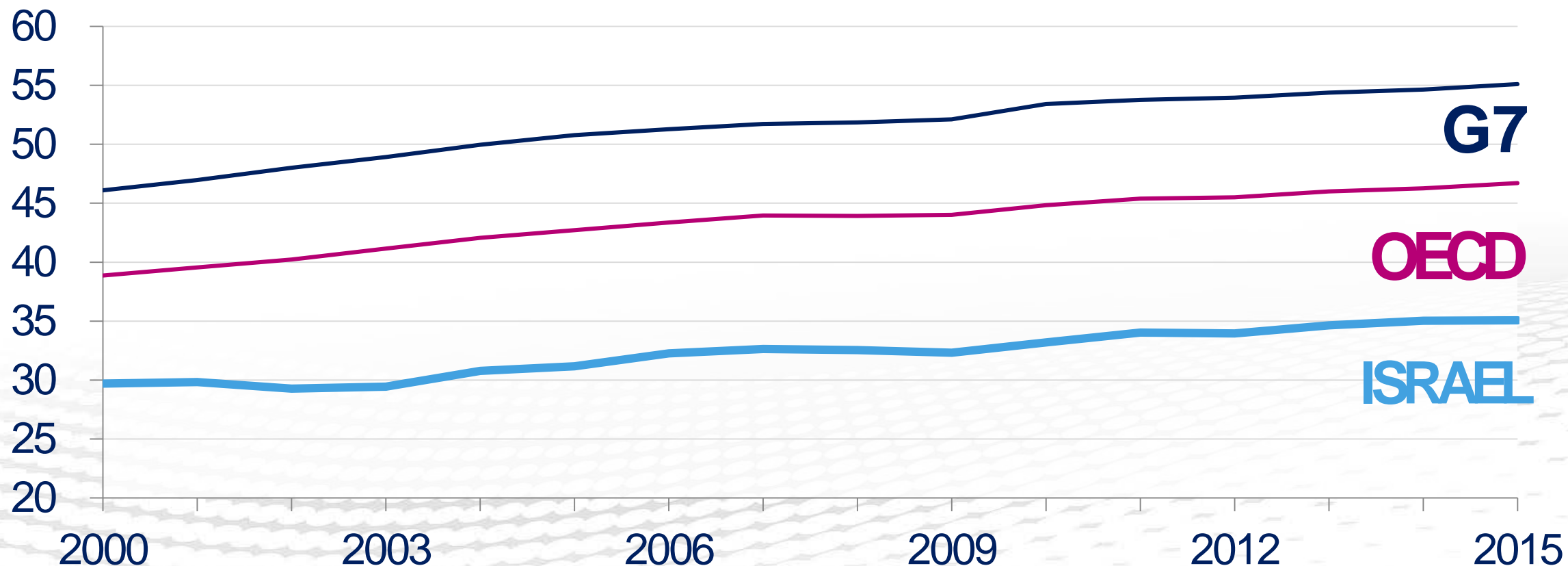


➤ Hi-Tech Employment



Source: Processing of Israel Innovation Authority data
by the Central Bureau of Statistics

➤ Productivity Gaps



Source: OECD (constant prices, 2010, \$PPP –
Purchasing Power Parity)



Innovation Divisions



Technological Infrastructure



Startup



Growth



Societal Challenges



Advanced Manufacturing



International Collaborations

➤ The different Needs of Israeli Hi-tech Firms Require Different Policies and Tools

Research infrastructure, disruptive technologies

Maintaining a sufficient deal flow of tech startups and helping them reach fundable milestone

Helping tech firms grow in Israel

Supporting tech solutions for societal goals, address human capital

Pushing the manufacturing industries to a sustainable competitive path

Enabling Israeli technology industry to find its path in the global arena



New Program - Innovation Labs

A platform for engaging between the industry and entrepreneurs. The lab is owned and operated by an Industry partner (or a consortia) and provides start-ups with access to technological infrastructure and expertise not available to startups in Israel, defines industry needs and supports joint POC developments

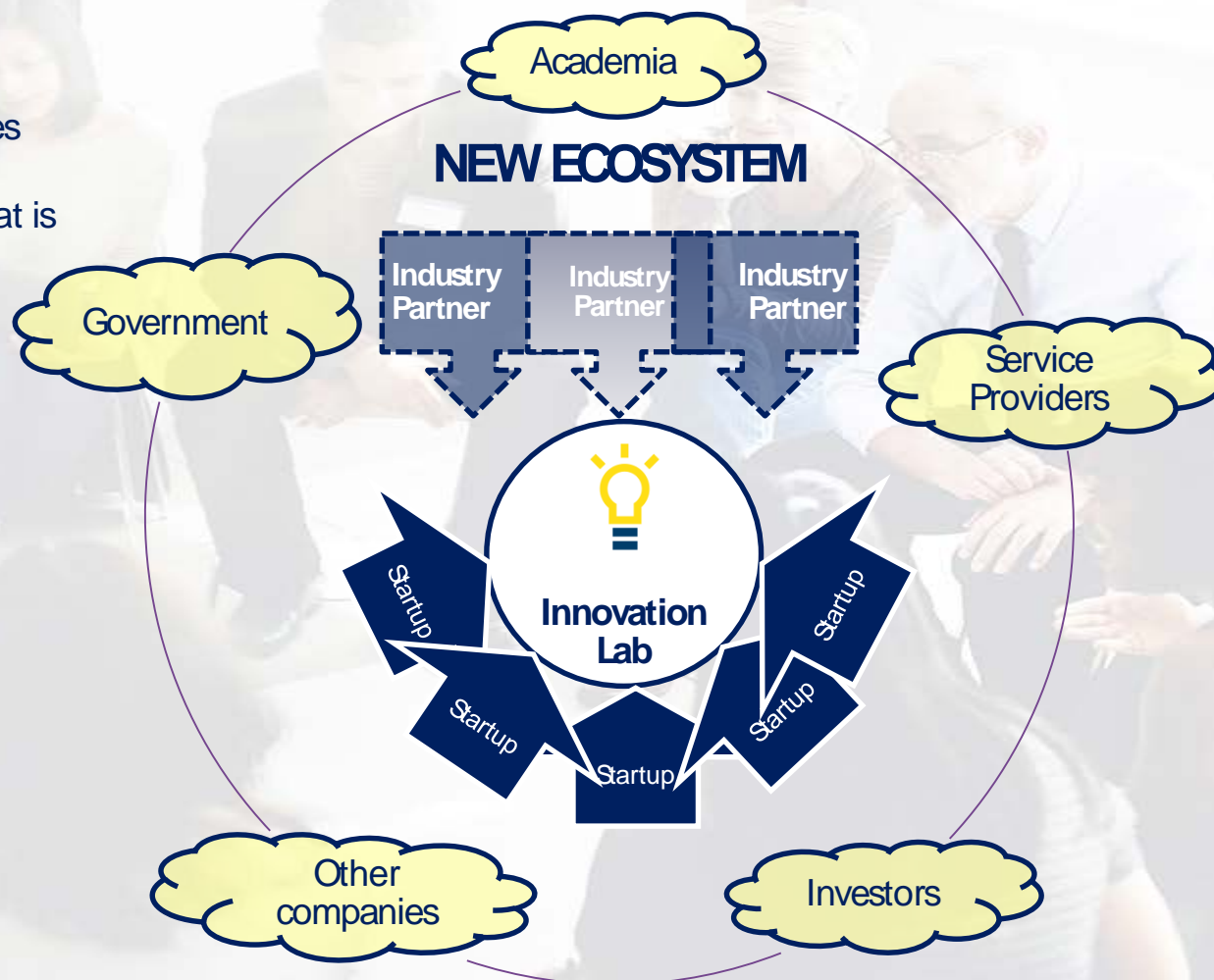
Industrial Partners:

- Medium-Large Israeli companies
- MNCs who can provide technological infrastructure that is missing in Israel

Term: 3 years

Innovation Authority Financial incentives:

- CAPEX
- OPEX
- POC budget of each startup



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Addressing Human Capital Needs



August 5, 2017

Israel Innovation Authority Approves NIS 10 Million for 'Coding Bootcamps' Hi-Tech Rapid Training

Israel Innovation Authority initiated a new program that will provide an intensive training program for a period of six months to a year, including a full-time practical internship, for the hi-tech industry who is hungry for quality personnel.

As a response to the growing need for quality engineers and computer programmers in Israel – as of April 2017, market demand for programmers exceeded those available by 2.5x – the Israel Innovation Authority approved a new program developed by the Authority's Societal Challenges Division to rapidly train hi-tech employees. The goal is to create an alternative route to joining the hi-tech workforce, focused on market needs, in a maximum 12-month training track, aimed at college graduates in the sciences who are interested in a career shift to computer programming.

Coding bootcamps are a new global trend. In 2016 in the US, 70% of a similar program's graduates went on to work in the hi-tech sector. The courses cost between \$15,000 and \$30,000 outside of Israel and employers recognize their value: a 2017 survey held amongst 1,000 hi-tech employers in the US found that 84% of employers believed that graduates of coding bootcamps were as good as, or better than graduates with Computer Science degrees from universities. 80% of the bootcamp graduates were happy with the training they received.

The model includes a competitive grant program under which computer programming training agencies will be rewarded in relation to the number of graduates they produce who have received high-paying jobs in hi-tech development. The program will emphasize including diverse populations in the industry. The goal is to prepare 250 ready-to-work employees at the end of the first year, and 450 new employees by the end of the third year.

As of May 2017, there were 7,127 job openings in the Israeli hi-tech sector, mainly for engineers and programmers. The training program will address this need by increasing the number of skilled personnel. This will be bolstered by longer-term programs, such as bringing skilled workers from abroad.

➤ International Collaborations





Thank You
Enjoy the rest of your visit

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