

# Building an entrepreneurship ecosystem

## The role of the academia

David Shem Tov  
CEO

The T-Factor, Technion's early stage funding  
program



**T**  
**FACTOR**

CleanTech in Israel – performance 2014\*

# 80% water recycling rate

CleanTech in Israel – performance 2014\*

**Highest ratio in the world  
of crop yield per water unit**

CleanTech in Israel – performance 2014\*

# Home to the world's largest seawater reverse osmosis desalination plants

CleanTech in Israel – performance 2014\*

Desalinated water -  
70% of the domestic  
consumption

CleanTech in Israel – performance 2014\*

\$5.29 billion exists Q1+Q2  
2015

CleanTech in Israel – performance 2014\*

Over 250 R&D centers of  
multinationals

# World wide category leaders

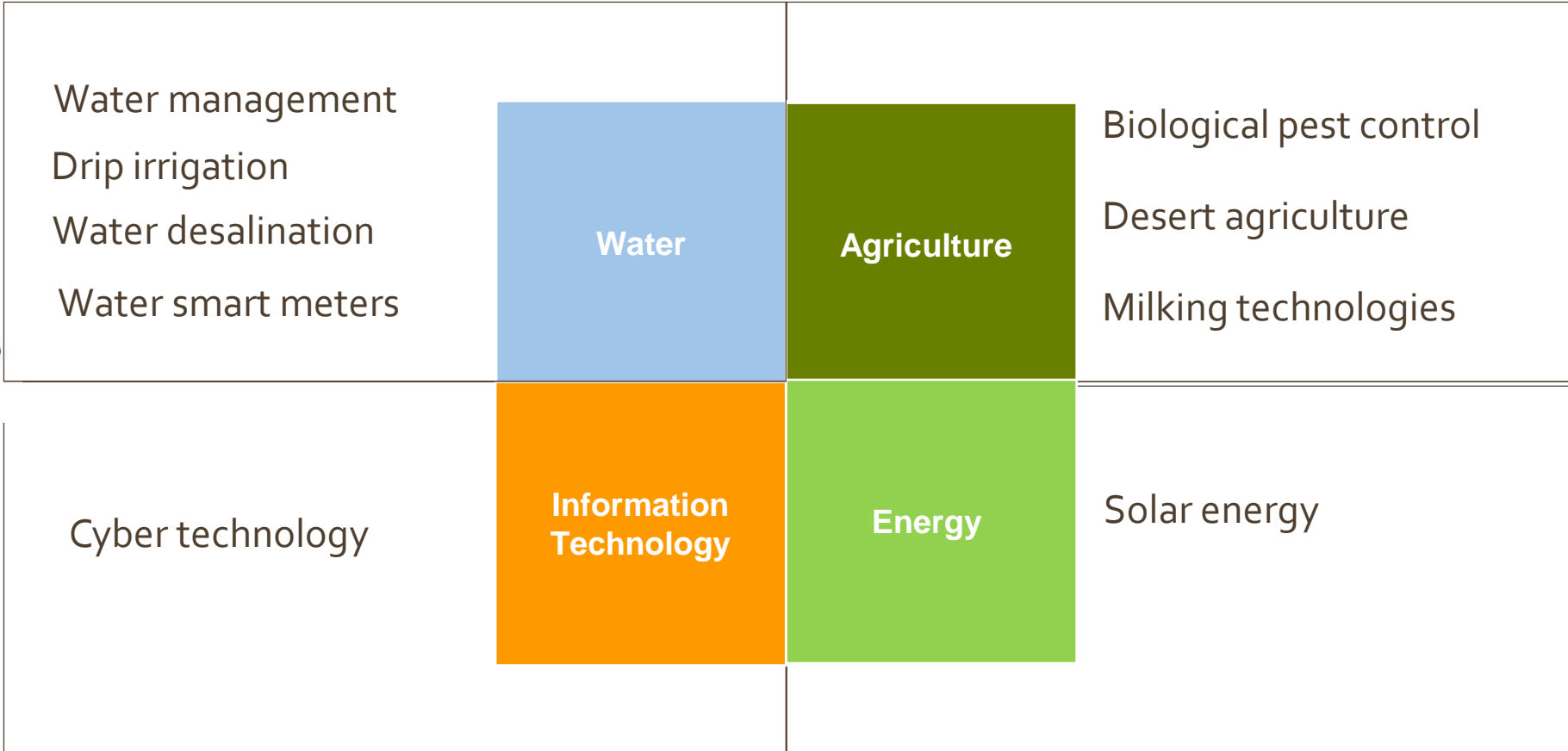


ETA FIM

IDE  
gies Ltd.

AD GROUP  
etering Technologies

heck Point  
WARE TECHNOLOGIES LTD.





# PROPORTIVE NATIONAL O-SYSTEM

True collaborative partner

Human capital

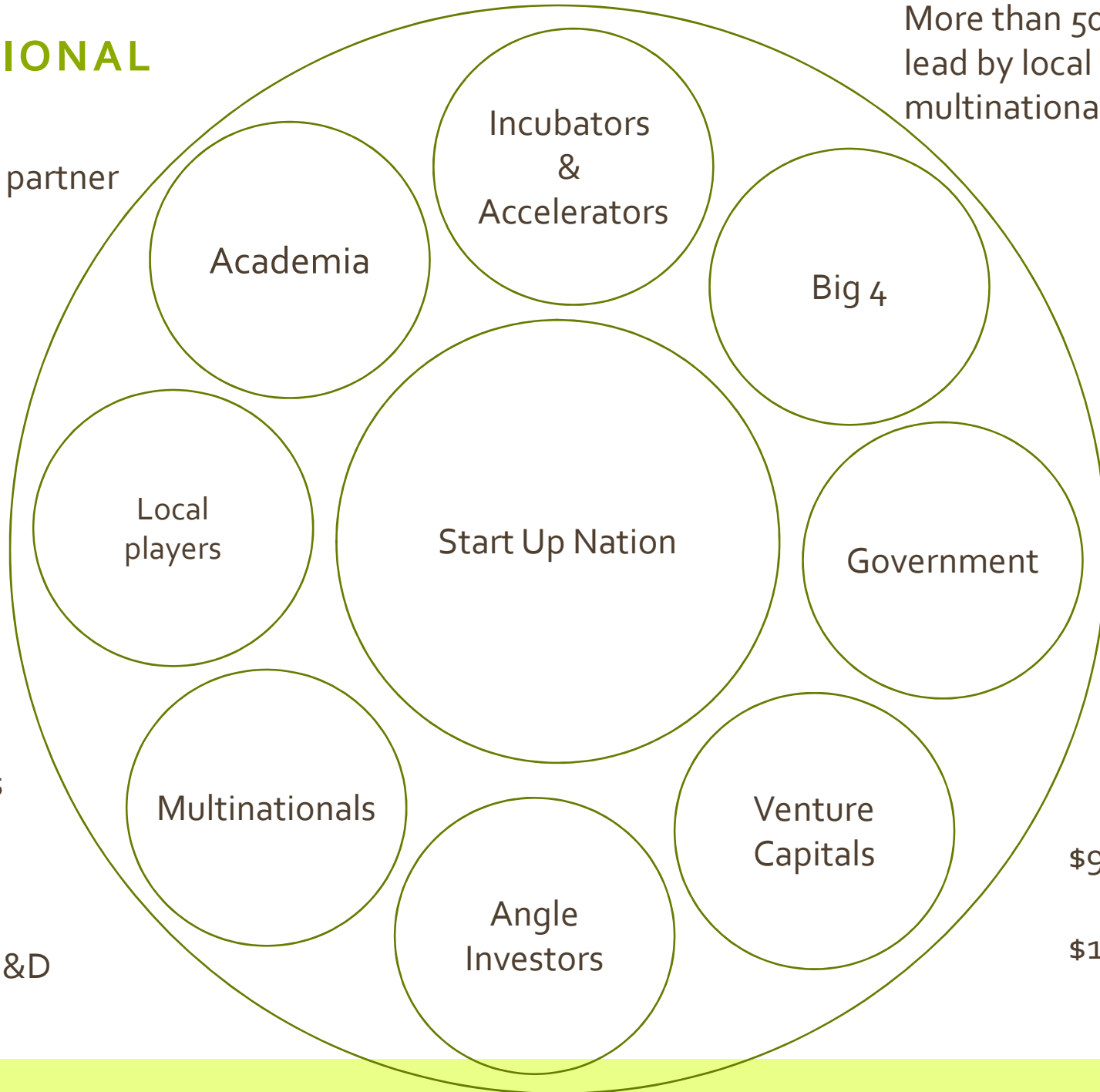
Real needs

Beta sites

250 R&D centers

Talent

55% of national  
expenditure in R&D



More than 50 programs  
lead by local and  
multinational

Big 4

Law firms

OCS

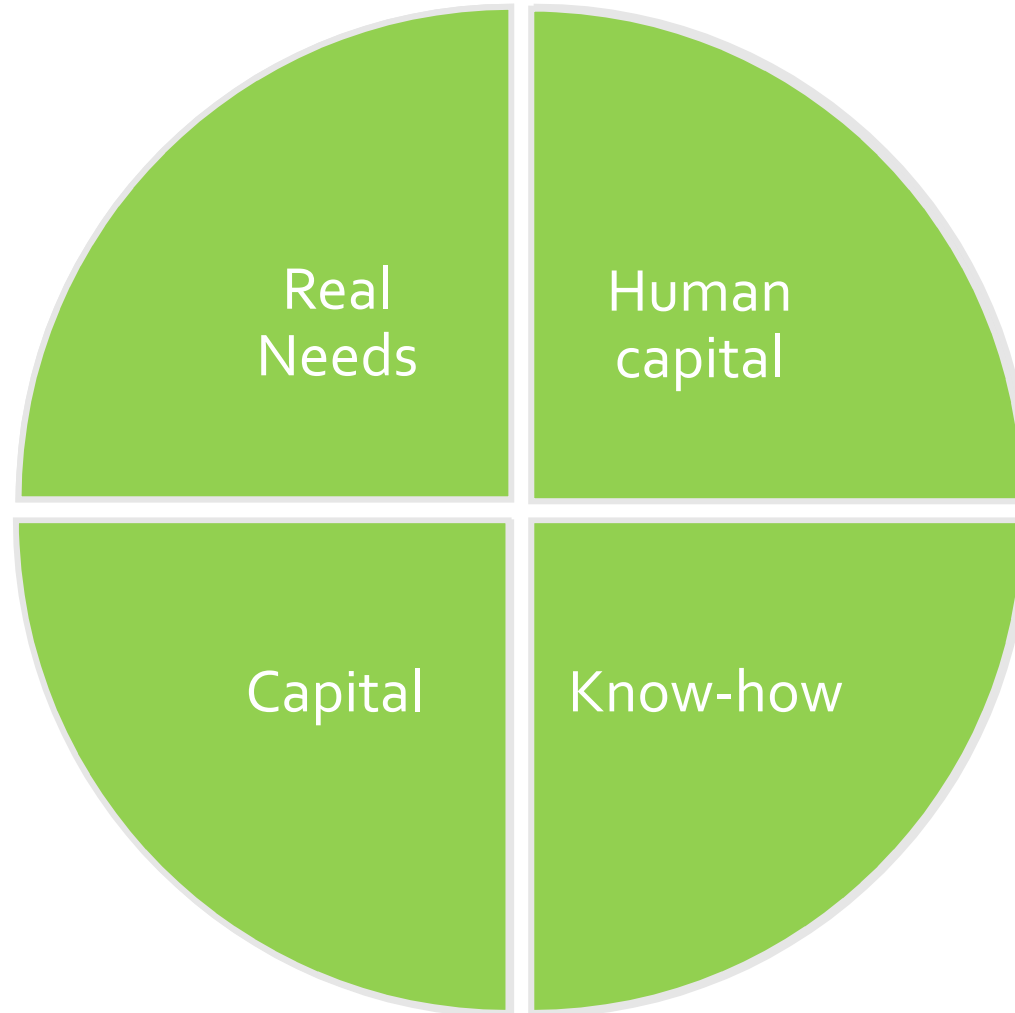
\$914 Million in 2014

\$1.2 Billion in 2015

# PPORTIVE NATIONAL O-SYSTEM

- Government
- Industry

- Industry
- Academia



- Government
- Venture capitals
- Angle investors
- Multinational

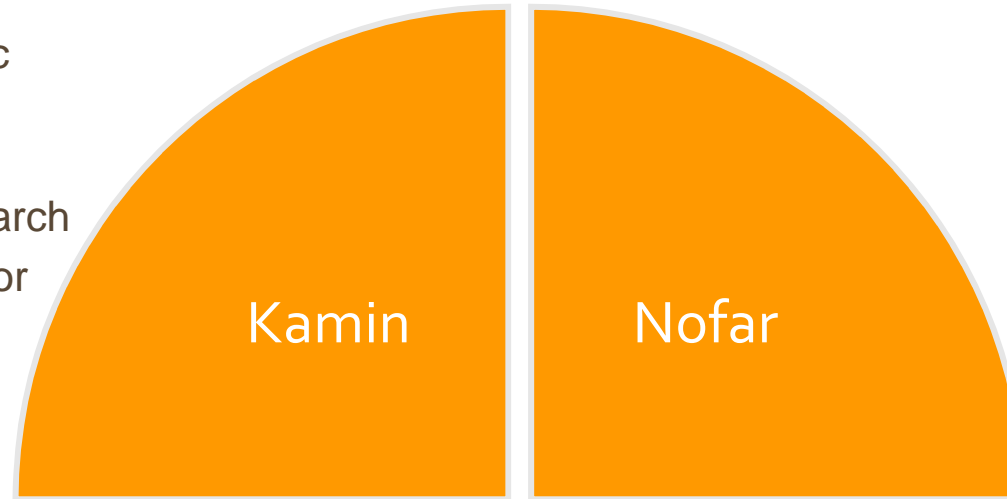
- Multinationals
- Academia



# The role of the academia

# GOVERNMENT FUNDING INSTRUMENTS FOR DIFFERENT TECH TRANSFER PROJECTS

- Translate academic achievement into technologies
- Basic applied research
- Industry as a mentor
- \$90-180K



- Bridge the gap between how within the academic needs in the industry
- Proof of concept
- Industry as a mentor
- \$100K

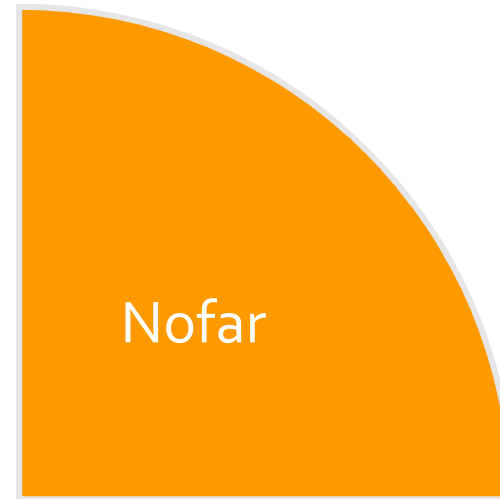
% of the funded projects were in  
aboration with multinationals

% Continue to incubators

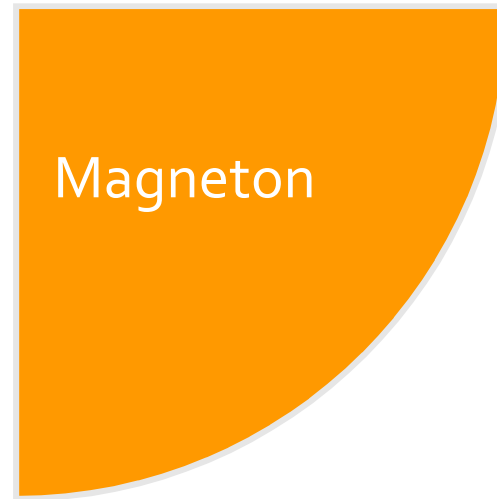
% Continue to MAGNETON tech  
nsfer projects

% of the projects continue  
nmercialization efforts after completion.

% Continue as new startups or collaborative  
earch



# GOVERNMENT FUNDING INSTRUMENTS FOR DIFFERENT TECH TRANSFER PROJECTS

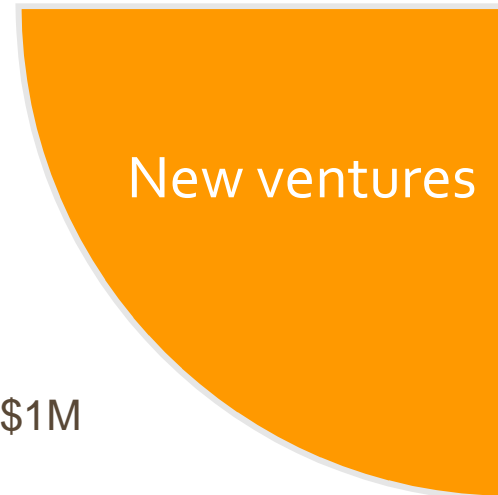


- Tech transfer via collaborative research
- Industry as a partner
- \$750K

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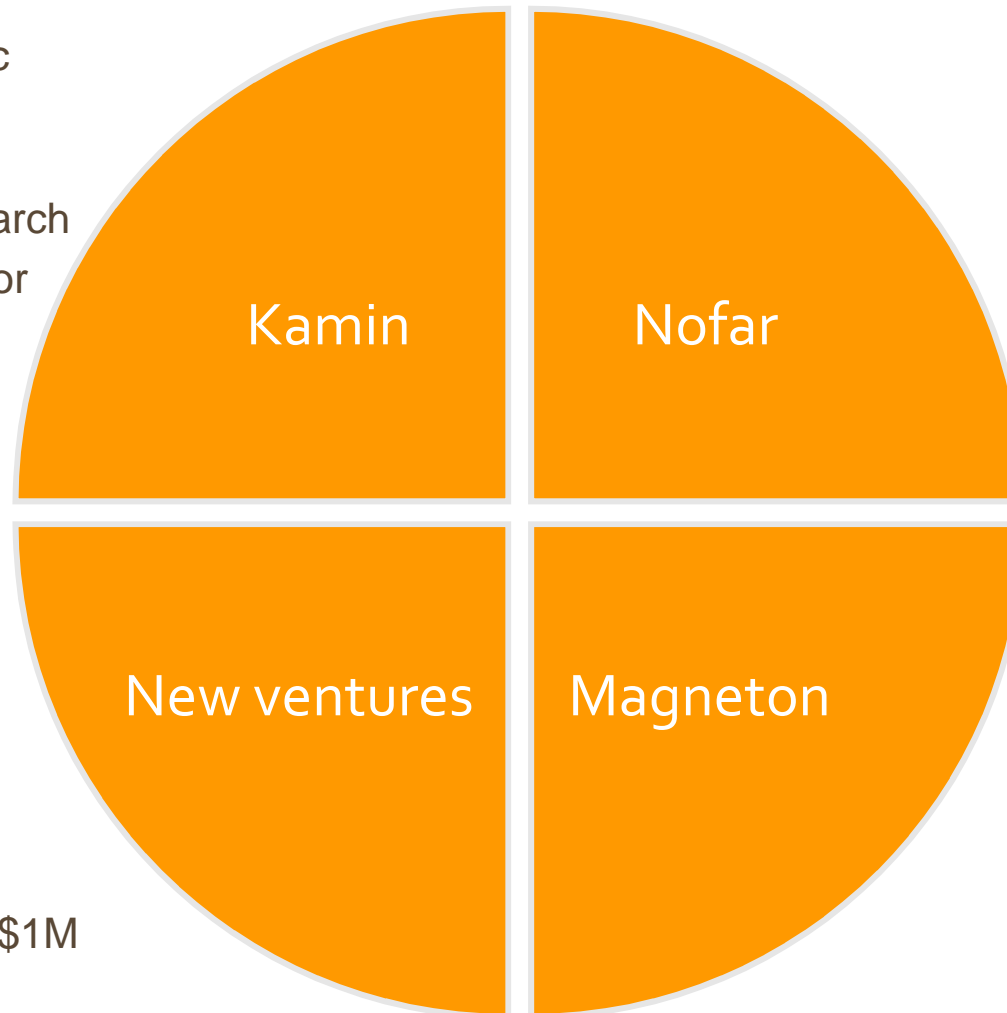
- 33% of the incubation companies in the field of CleanTech are based on IP developed in the area
- Significant support of strategic partners and local support from angels investors

- Tnufa \$50K
- New startups \$5M
- Incubators \$0.5M - \$1M



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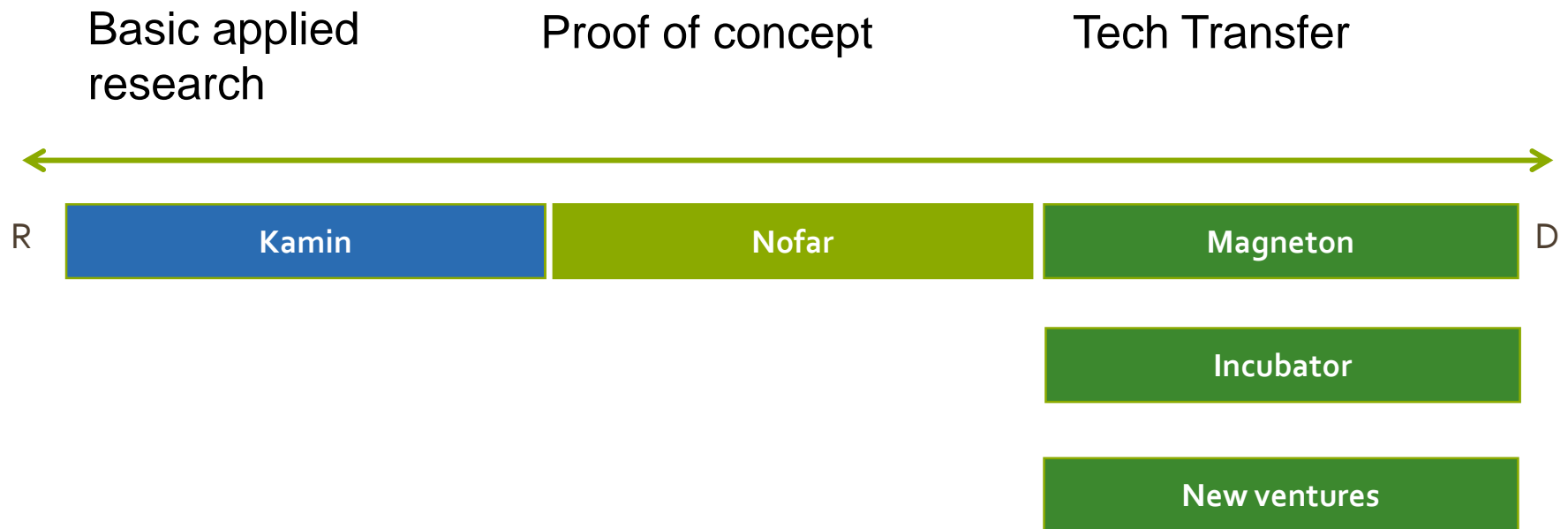
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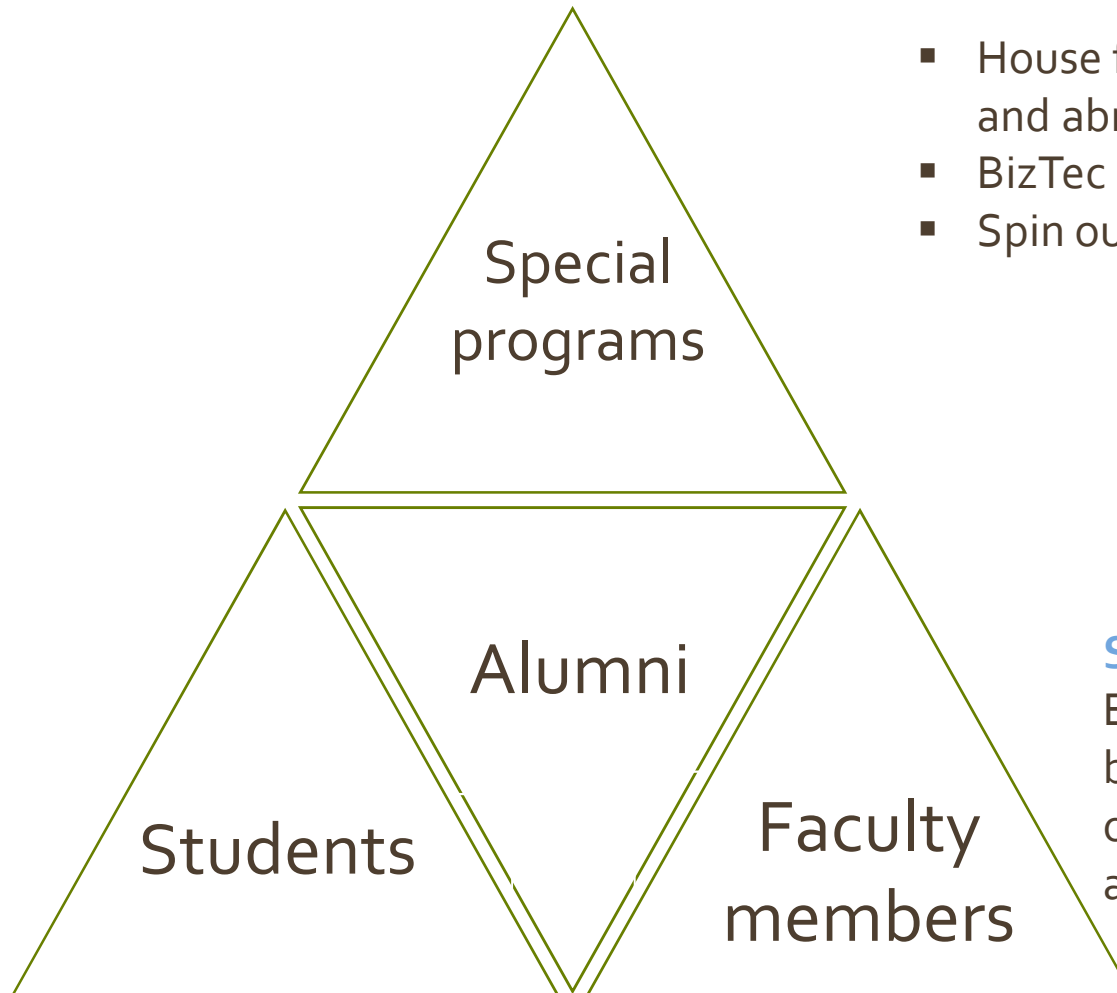
# TECH TRANSFER FUNDING INSTRUMENTS



**T  
FACTOR**

# Deal flow

Startups of  
1000 talented students  
1000 alumni



- House for startups and spinoffs from Israel and abroad
- BizTec
- Spin out – Spin in programs

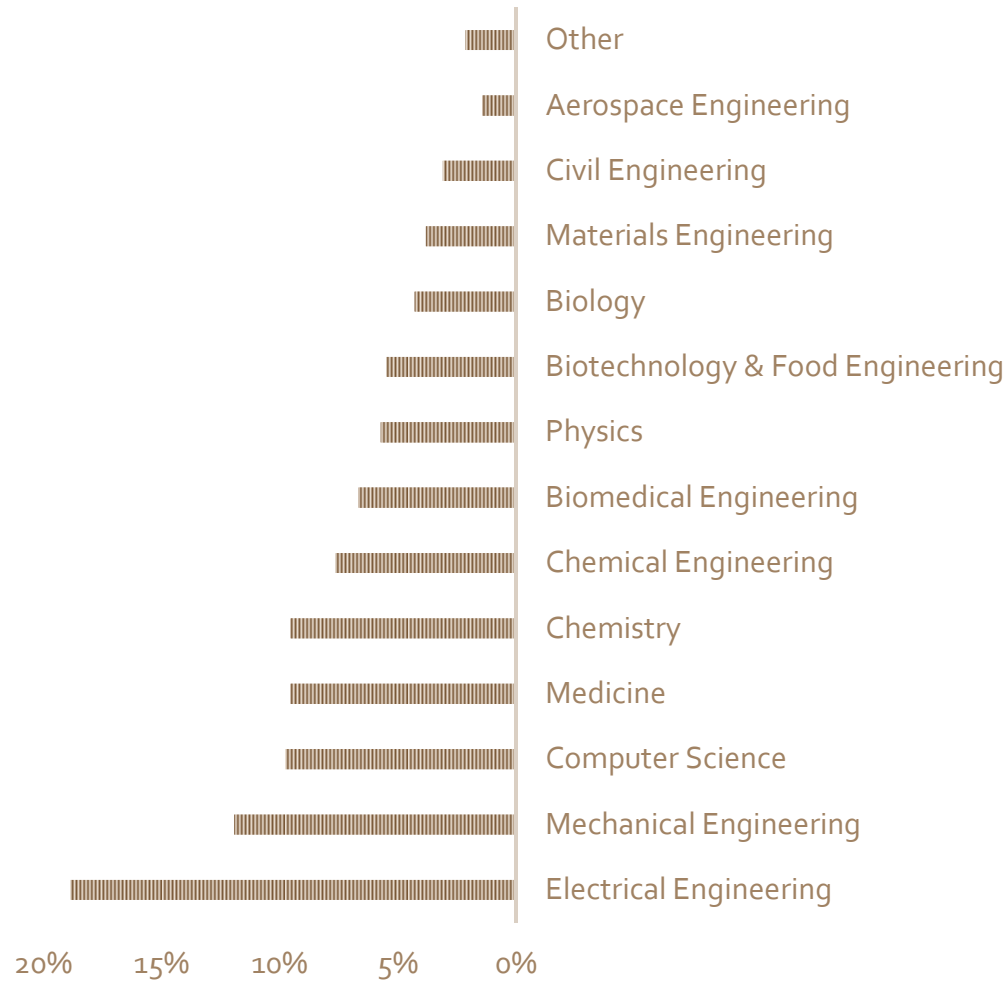
**Spinoffs based on**  
Extensive IP portfolio generated by 576 faculty members and other 1,500 research associates and engineers

# The T-Factor offering



# Patent families available for commercialization

strong patent portfolio based on over 500 patent families is the base for tech-transfer activities in the field of ICT, Engineering and medical devices.



<b>STATUS</b>	
Priority	3
PCT	1
National Phase	1
Patent Issued	1
<b>TOTAL</b>	<b>4</b>

Patent granted (01/10/2012-30/09/2013)	9
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Technion  
Commercial  
Track record

PROLOR  
BIOTECH

CartiCure

accelta  
Accelerating stem cell technologies

INT  
Integrated Nano-Technologies

EIMindA

codota

GILEAD

SANDBOXMODEL  
MODEL OPTIMIZE MANAGE SUCCEED

XACT

MEDICVISION  
IMAGING SOLUTIONS

MemTech  
Advanced Membrane Technologies

INVISION  
Ultimate 3D Experience

Tehuti Networks

cort

PixCell  
MEDICAL



Metabomed

correlsense

sealantis  
Alga-Mimetic Tissue Adhesives

Pluris

Nutrinia

finetech

ARGO  
Medical Technologies Ltd.

ARTSYS360  
Advanced Radar Technologies

SolariPhy  
PV Technologies

Applied Immune Technologies  
AIT

SLENDER  
medical

Reg

Mazor  
Robotics

Cellaris  
Ultralight Ceramics

Biosense Webster  
a Johnson & Johnson company

NanoS  
Technol  
Smart Fibers for Cleve

Pneumedicare Ltd.

WELLTODO  
DeNOxiated Water

microbot  
medical

AVRA

Corindus  
Vascular Robotics

Gene  
Grafts

ELO  
Eloxx Pharmaceuticals

DigiFlex

rcadia

itamar  
MEDICAL

PML  
Innovative Particle-Monitoring Technologies

# Thank you

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