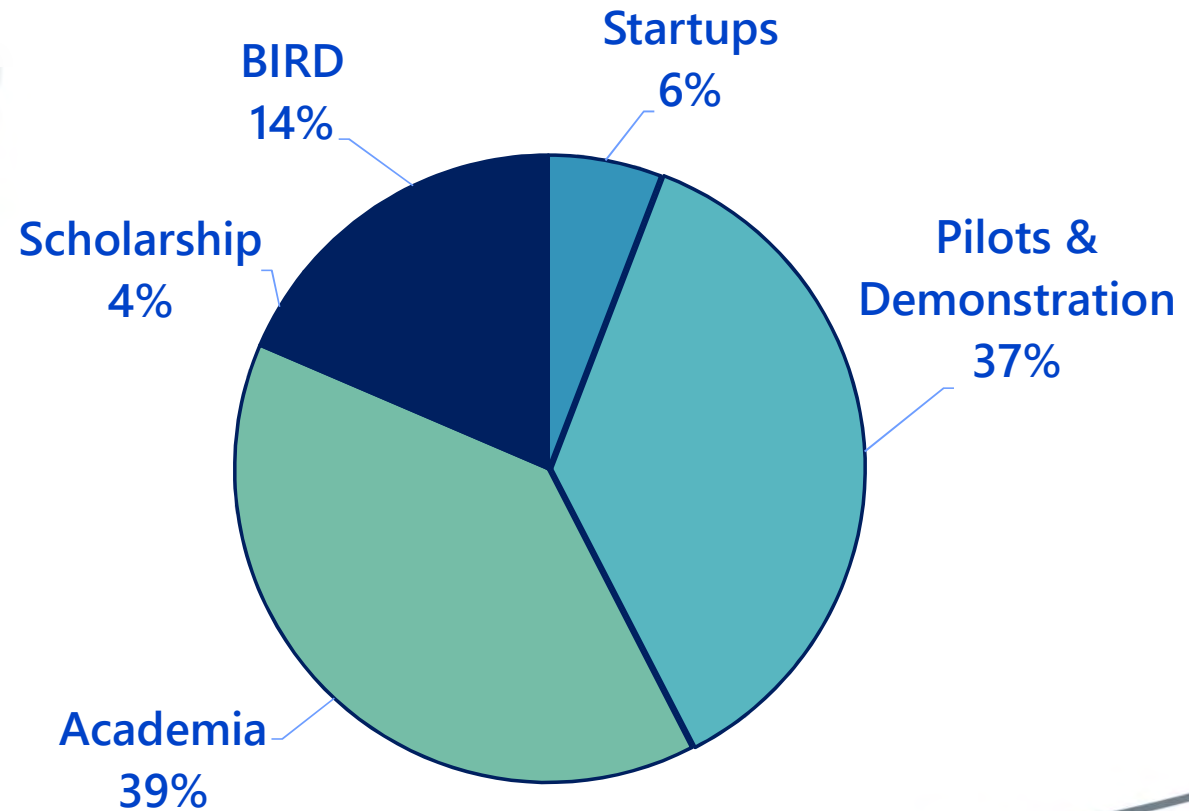


The Chief Scientist Mission and Goals

- Providing knowledge infrastructure to the energy market
- Building the market preparedness to the future
 - Technology oriented
 - Data driven
- Encouraging innovation and entrepreneurship



Support Programs 2016-2017 - \$30M

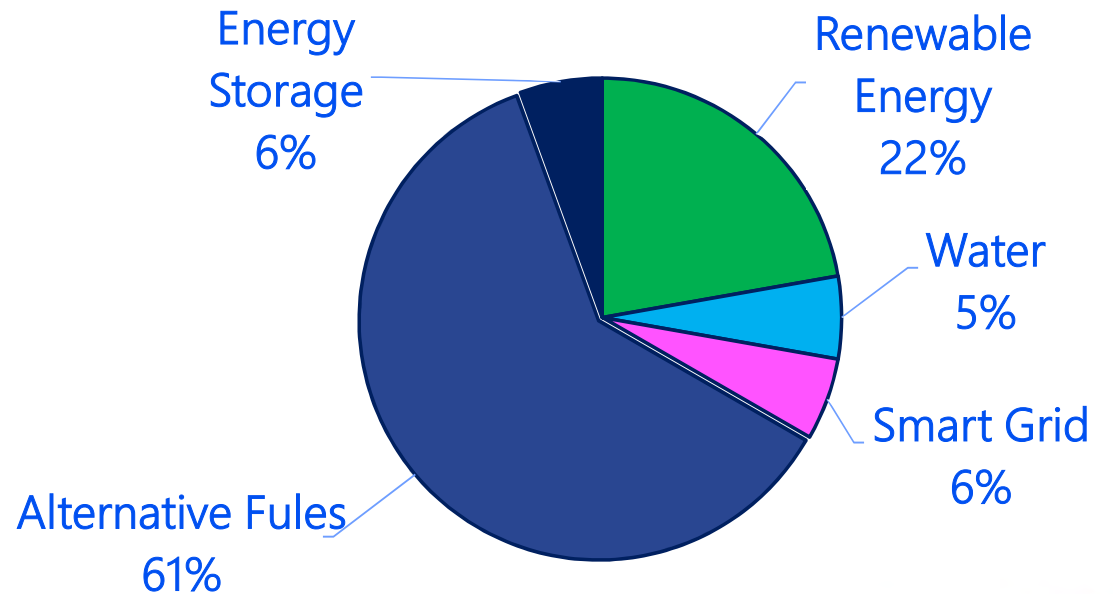


Pilot and Demonstration

Companies Survey 2012-2015

- 14 companies
- 18 projects
- ~20.5 Millions NIS
- 1 company closed
- 10 companies raised ~333 M NIS
- Multiplier of **16.11** on government investment

Pilot and Demonstration – Distribution by Topics

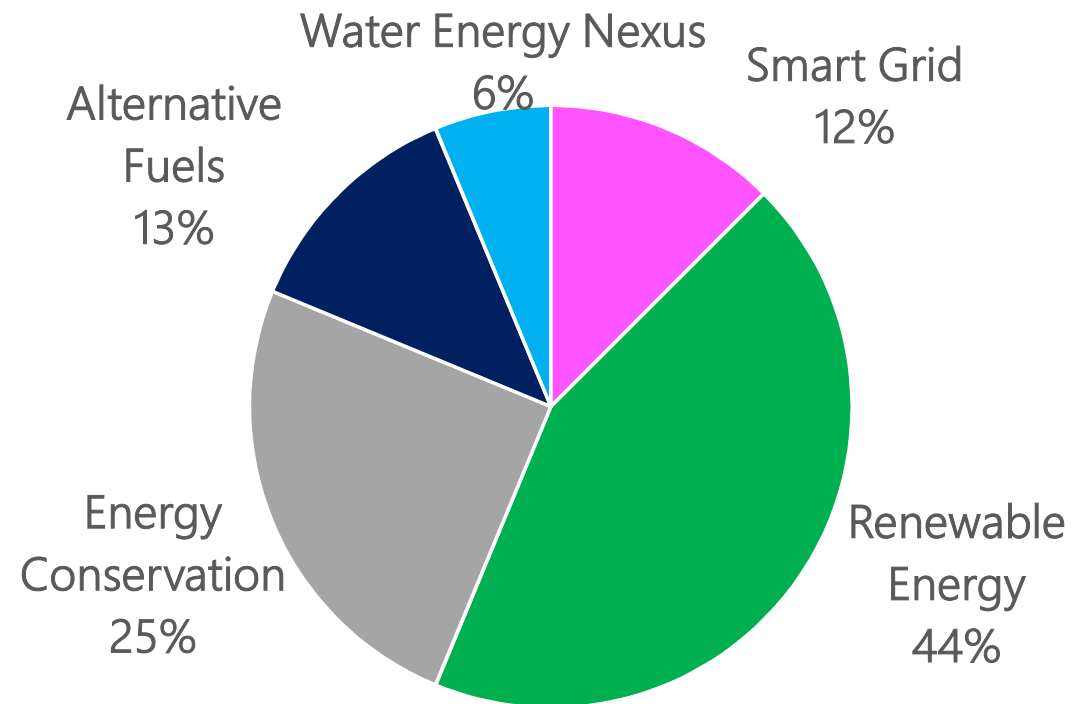


Startergy Fund

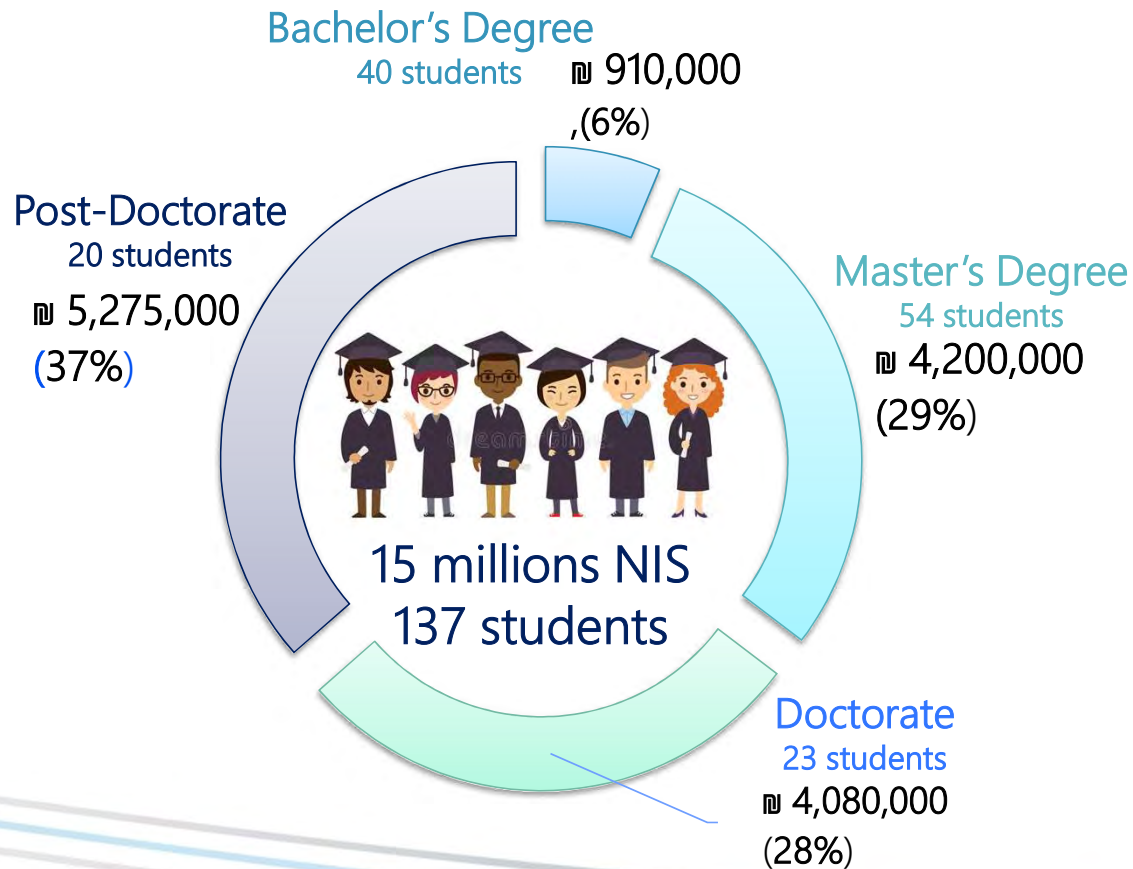
Companies Survey 2012-2015

- 14 companies
- 16 projects
- ~7.5 Millions NIS
- 2 companies were closed
- 9 companies raised ~109 M NIS
- Multiplier of **14.42** on government investment

Startups – Distribution by Topics



Scholarships for Academic Studies



Education programs included:

- Electrical engineering
- Energy engineering
- Mechanical engineering
- Chemistry
- Geology and Earth Science
- Natural Gas and Petroleum engineering

Scholarship granted to a student (NIS/year)

Bachelor's Degree – 10,000

Master's Degree – 50,000

Doctorate – 60,000

Post-Doctorate abroad – 150,000

AVIATION TECH

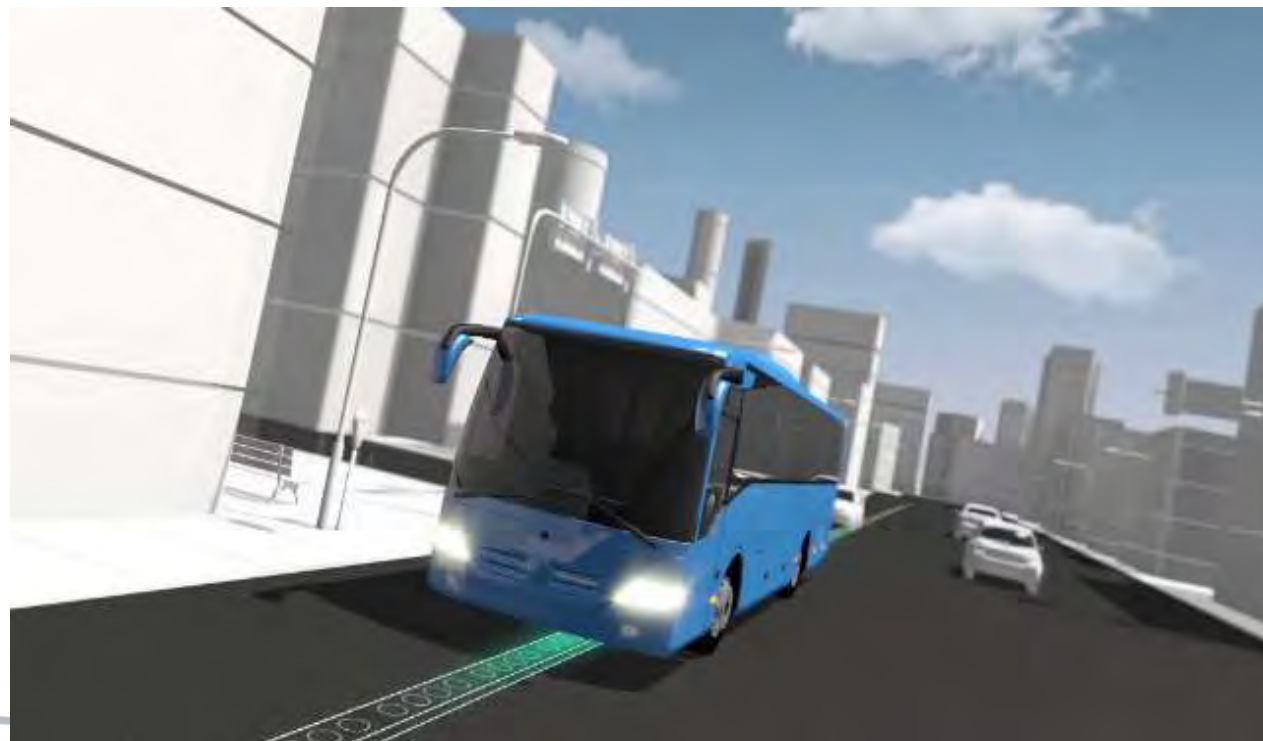
- All Electric 9 Passenger Aircraft
- Funding: 3 million NIS
- Year: 2016

- Company raised \$76 million recently



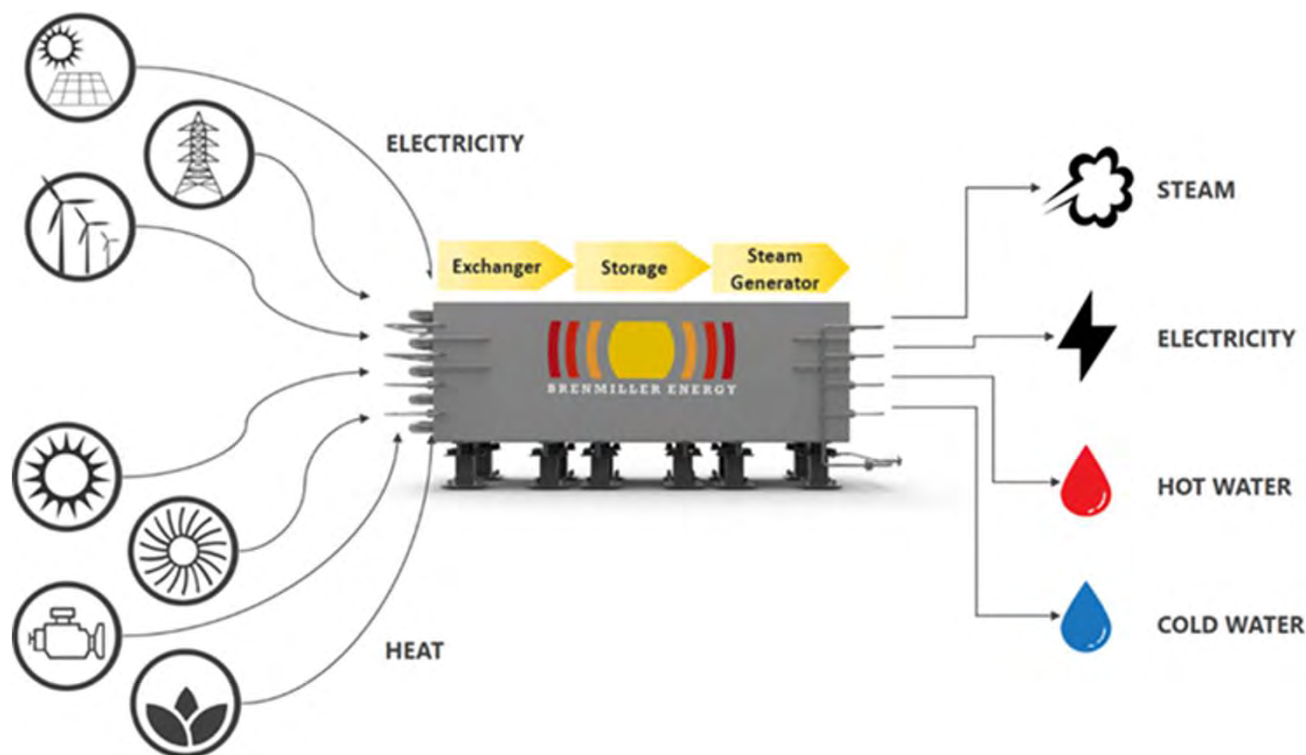
ELECTREON

- Charging Electric Vehicles from the road
- Funding: 1.5 million NIS
- Year: 2015
- Company is trading on TASE



BRENMILLER ENERGY

- High-temperature thermal energy storage
- Funding: 1 million NIS
- Year: 2016
- Company went public last year



\$0.1 per KWh small scale today

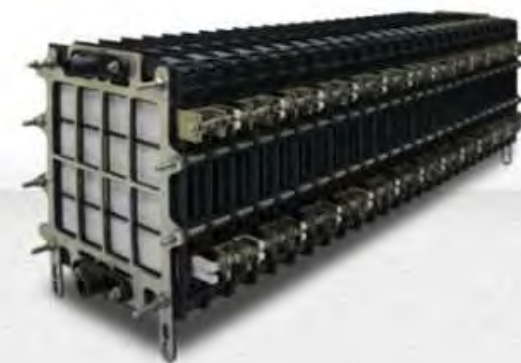
\$0.08 per KWh larger scale today

\$0.06 per KWh in a few years

PHINERGY

- Aluminum Air Battery for electric vehicles
- Funding: 1.5 million NIS
- Year: 2011
- Company has valuation over \$200 million

ULTRA HIGH
ENERGY DENSITY

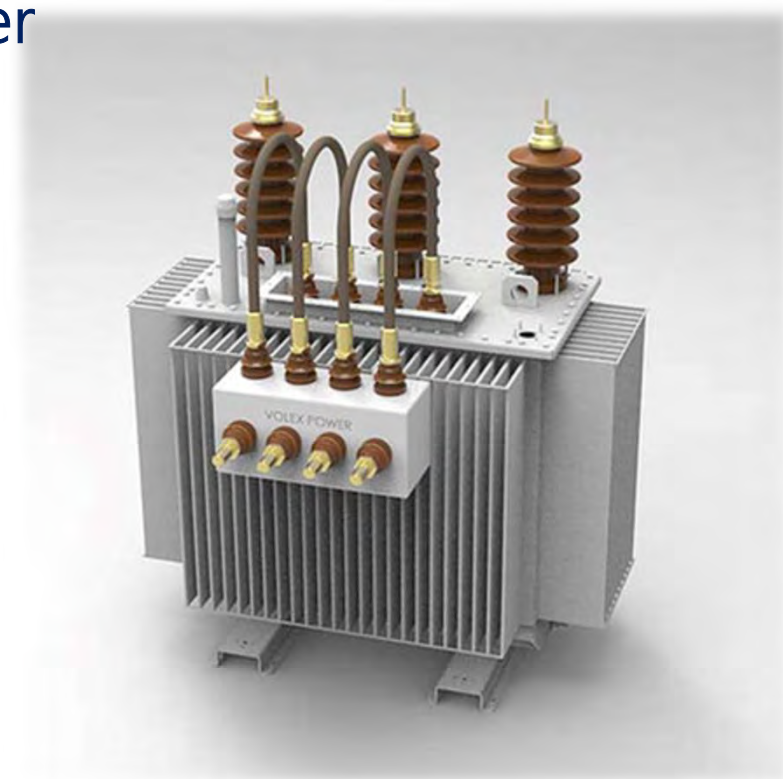


VOLEX POWER

Project: Smart electronic Variable transformer

Fund: 750,000 NIS

Year: 2017



NAYAX

Project: EV charging stations

Fund: 1.5 millions NIS

Year: 2017



NOSTROMO

Project: Energy Storage in Ice
(For electricity
consumption shifting)

Fund: 0.6 millions NIS
(+ about 1.6 million
from BIRD)

Year: 2017



FLUENCE

Project: Energy Efficient sewage water treatment

Fund: 0.312 Million Shekel

Year: 2014

In 2017 company merged with another to create Fluence which is traded on the Australian Stock Ex.



GENCELL

Project: Efficient ammonia cracked
Fuel Cells

Fund: About 1.6 Million Shekels
through BIRD Energy

Year: 2016



gideonf@energy.gov.il

