

## IN PARTNERSHIP WITH



## CHALLENGE

### 18,000

developers and engineers are missing in Israel's high-tech industry – the major force behind the country's economic growth.

### 1,000

girls study computer science annually in Haredi seminaries.

However, the current computer science training program in the Haredi seminaries is outdated and irrelevant to the industry's needs.

## ACHIEVEMENTS TO DATE:

- > Pilot program with Start-Up Nation Central to upgrade computer science track in 3 leading seminaries is in its second year.
- > Curriculum improvements implemented in 6 seminaries: 2,000 girls are now learning 4 or 5 units of mathematics in 10th grade (instead of typical 3 units).
- > Additional boot camp models are established in partnership with other seminaries, testing the scalability of the program.
- > Haredim for High Tech Forum, under leadership of Dr. Giora Yaron, produced an academic-equivalent syllabus, with endorsement of industry, academia, and defense agencies (e.g. 8200, Israeli Air Force).
- > 10-year policy plan based on a \$100 million budget is presented to the Ministry of Finance.
- > Haredi rabbinical leadership endorse and cooperate with the initiative.
- > Industry leaders endorse the initiative and commit to providing MOOCs, training, and mentoring.



## SOLUTION

Advancement of national policy to formally recognize and fund an academic-equivalent standard for scale-up in seminaries and other training institutions

## NEXT STEPS:

**Establish a professional team to operate a three-year process which includes:**

1. Secure the Finance Ministry's support for the project;
2. Implement the program in seminaries (pre-academic curriculum, faculty training, MOOCs, equipment etc.);
3. Facilitate the recruitment of graduates into the industry.



### \$1.5 million

Seed investment in a 3 – year launch process which requires coordination between all stakeholders



### \$100 million

In government funding for 10-year implementation plan



### 10,000

Outstanding graduates will be integrated in the high-tech and defense industries over next 10 years



### \$480 million

Annual revenue generated in the Haredi Community over 10 years, starting from year 2023  
[Average high-tech salary \$48,000 x ~1,000 seminary graduates each year x 10 years]