



THE MOST Innovative electro-optical technology for identifying diamonds



G.A.O.N
Generic Applied Optics Novelties



DIAMONDTECH
By the Israel Diamond Exchange



רשות החדשנות
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01

More and more synthetic diamonds are made in laboratories - completely identical in appearance and chemical composition to natural diamonds. Synthetic diamonds are sold at about 50% lower than natural diamonds

02

Every diamond buyer needs to know the exact and absolute value of the 4C's – the four most important parameters that determine the value and price of a diamond: Color, Clarity, Cut & Carat

03

A diamond's color can be enhanced by a projection or HPHT process. Color-enhanced diamonds cost 30-50% less than those which are natural

04

This is a complicated process for identifying and testing diamonds accurately which requires big and expensive laboratory equipment

Diamond miners, rough diamond dealers, polishers, diamond dealers, jewelers and retailers all need to find out the authenticity of the diamond and its exact value

A portable, light, reliable, available and convenient device that allow **diagnose diamonds** anywhere and anytime and **get the results within seconds**, at the level of precision of a laboratory, on your cell phone screen



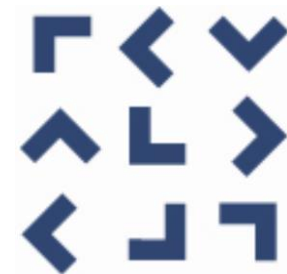
An innovative and highly important technology that will offer solutions to various challenges in the diamond industry.

Mr. Boaz Moldawsky
President of the Israel Diamond Exchange

An approved budget of NIS 2.5 M from the Israeli Innovation Authority for 2022.



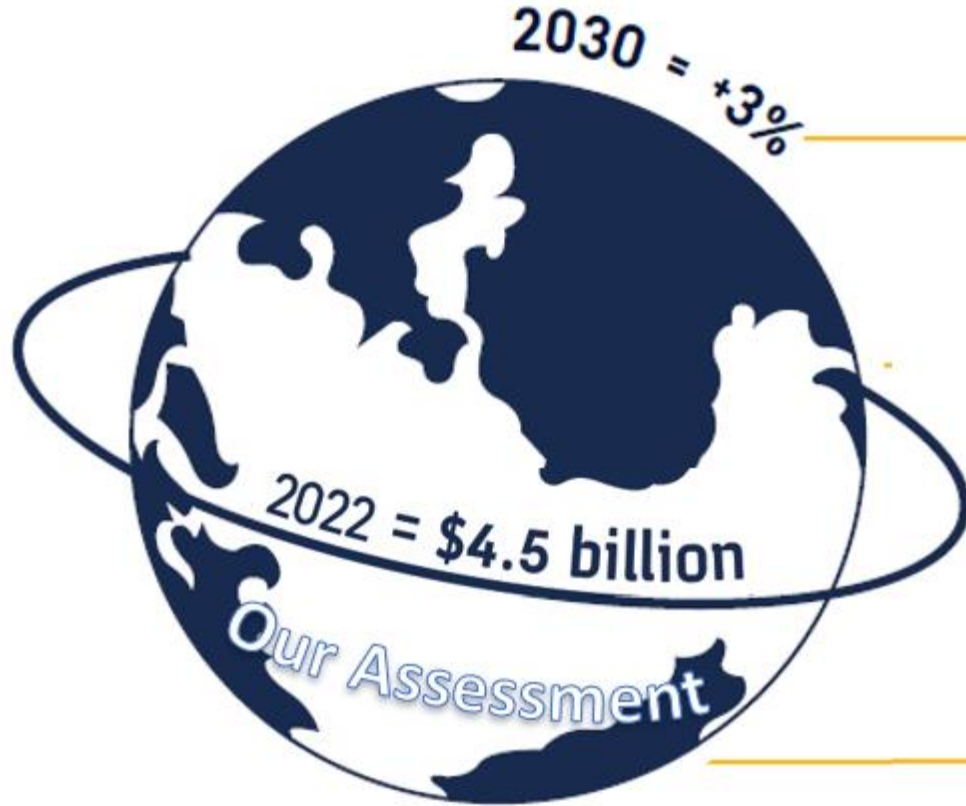
An approved budget of NIS 4.9 M from the Israeli Innovation Authority for 2023.



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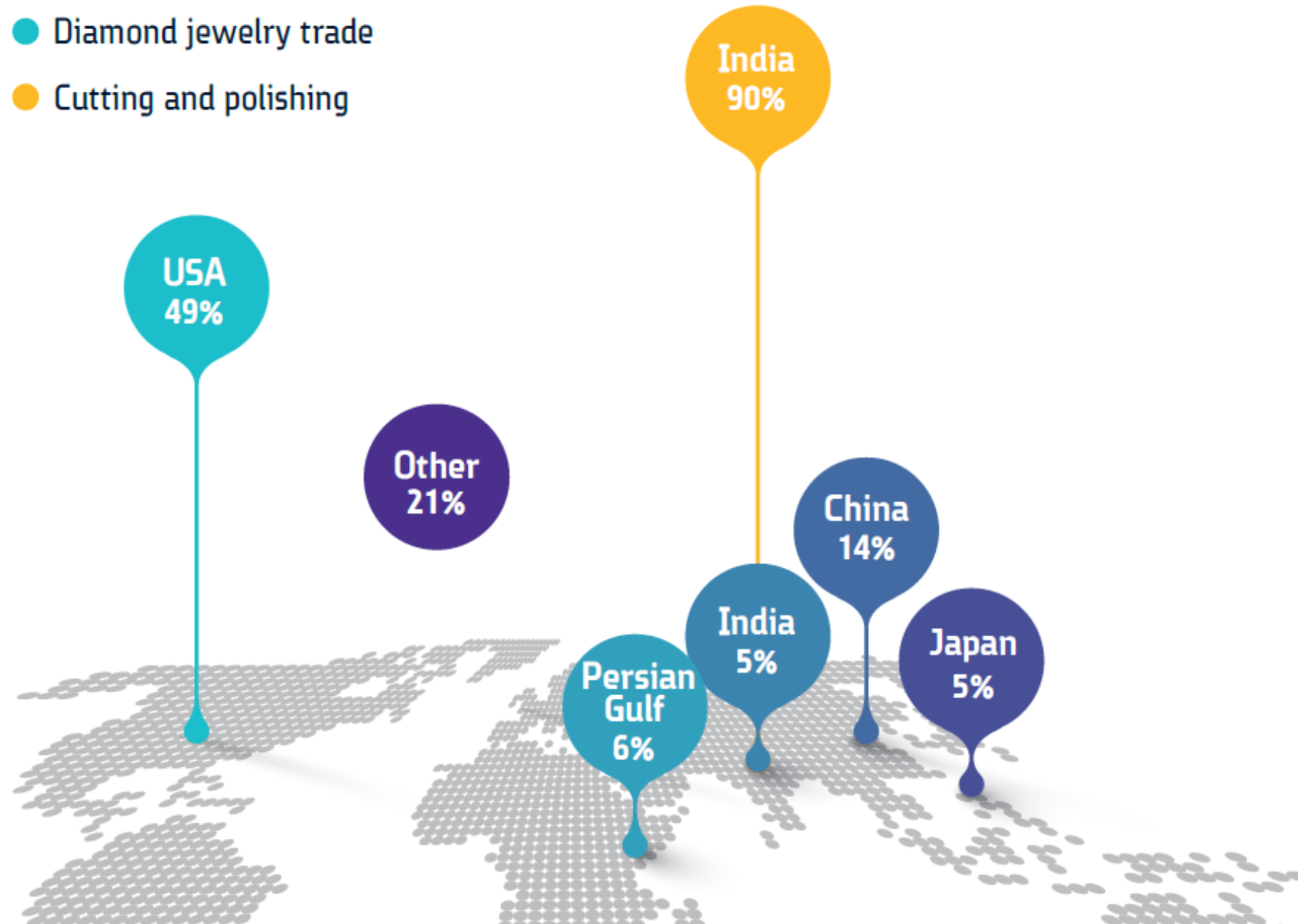


The diamond testing market for the retail sector is estimated at \$ 500M per year*

* http://sarine.listedcompany.com/newsroom/20200223_233548_U77_KGZNCROH9DOY2VHQ.2.pdf (page 30)

The Company estimates the market size would grow 9-fold when the testing equipment becomes available to a broader audience.

- Diamond jewelry trade
- Cutting and polishing









Devices Sale

\$ 3,000 per device

Payment for tests

\$ 3 for each test performed using the device



Company	Product Name	Identification of Lab-Grown Diamonds (CVD & HPHT)	Identification of Diamond imitations such as Zircon	Color grading of Polished diamond	Clarity grading	Cut grading	3D Imaging	Price
 G.A.O.N. Generic Applied Optics Novelties	DIAmeter	V	V	V	V	V	V	3,000\$ +3\$ / test
 ALROSA TECHNOLOGY ALROSA GROUP	Diamond Inspector	V	V					9,900\$
 YEHUDA	Sherlock Holmes 2.0	V	V					6,500\$
 IMAGEM®	Varna-D			V				7,200\$
 GEMCHROM DIAMOND TECHNOLOGY INNOVATION	EOS . COLORIMETER			V				8,500\$
 SARINE	SARINE CLARITY™				V			



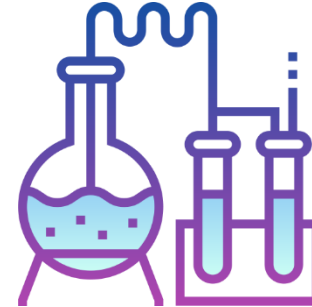
All In One

Allow to perform all the measurements needed to evaluate a diamond



Multiple diamonds testing

Allow to test of several diamonds simultaneously. Diamond trading is usually done through the sale of diamond packaging. Most devices perform tests for a single diamond only.



Accuracy

Combining results from a few different research methods, sampling the diamond simultaneously in many areas and analyzing the data using artificial intelligence are expected to dramatically improve the accuracy of the measurement.



Short measurement time

The measurement takes a few seconds (about 10 seconds) compared to minutes on competing devices



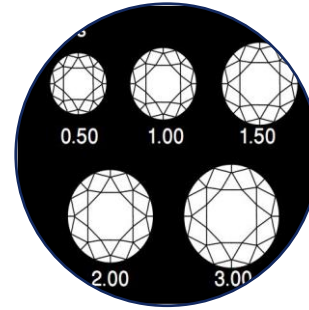
Attractive price

An attractive price, comfortable even for small players.



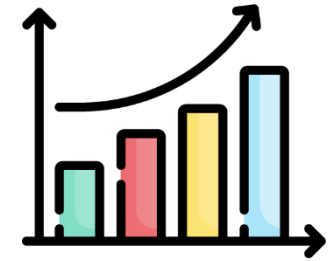
Simplicity

Does not require technical and / or professional knowledge. The device displays the result on the mobile phone monitor using a complicated mathematical algorithm of spectral analysis of the sample.



Wide range of diamonds sizes

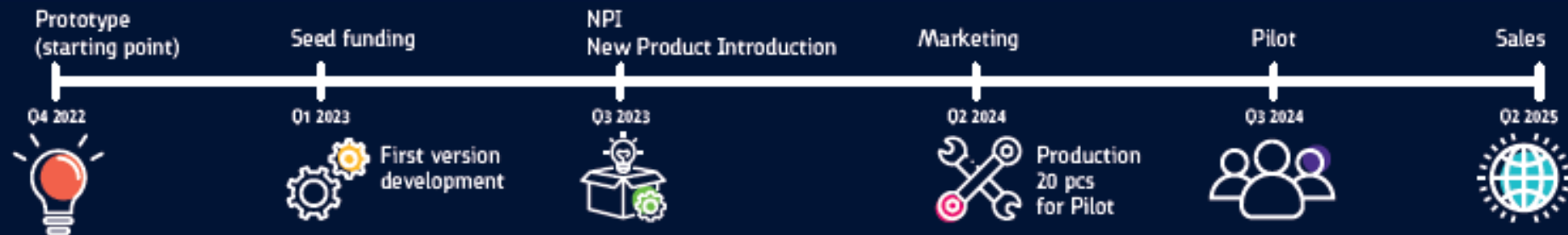
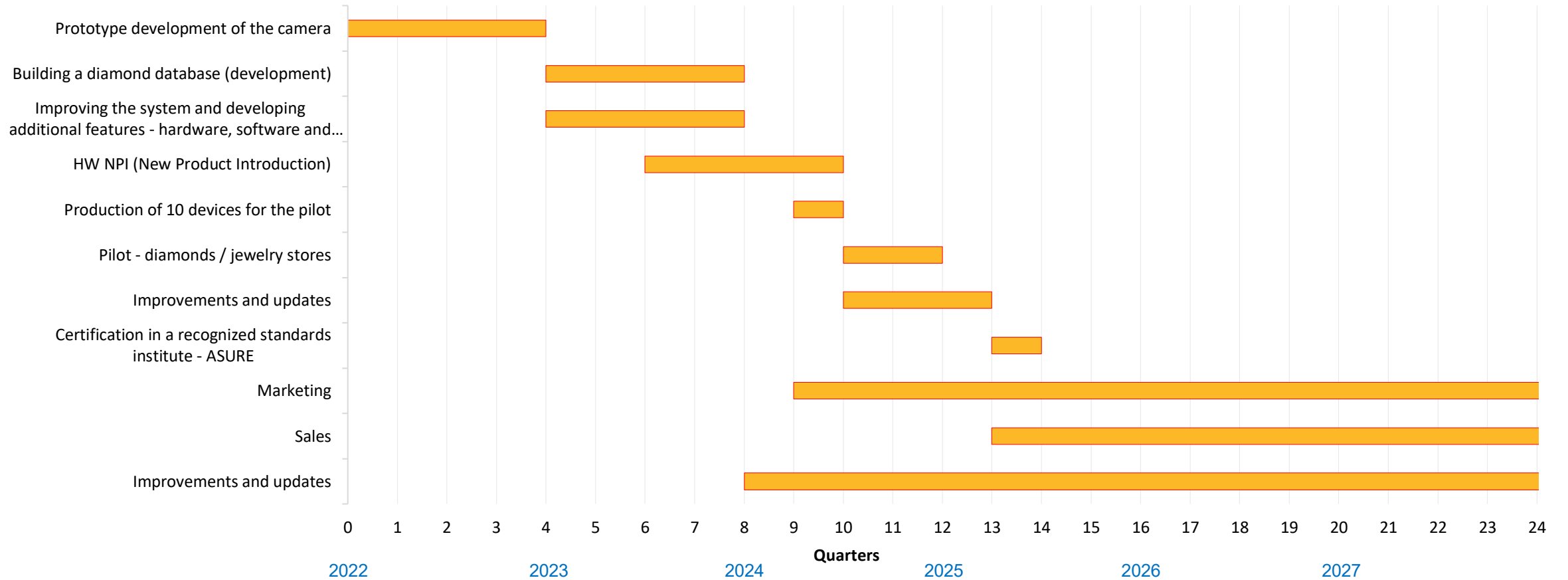
Allows to measure diamonds in a wide range of sizes - from 0.05 carats to 25 carats.



Differential payment

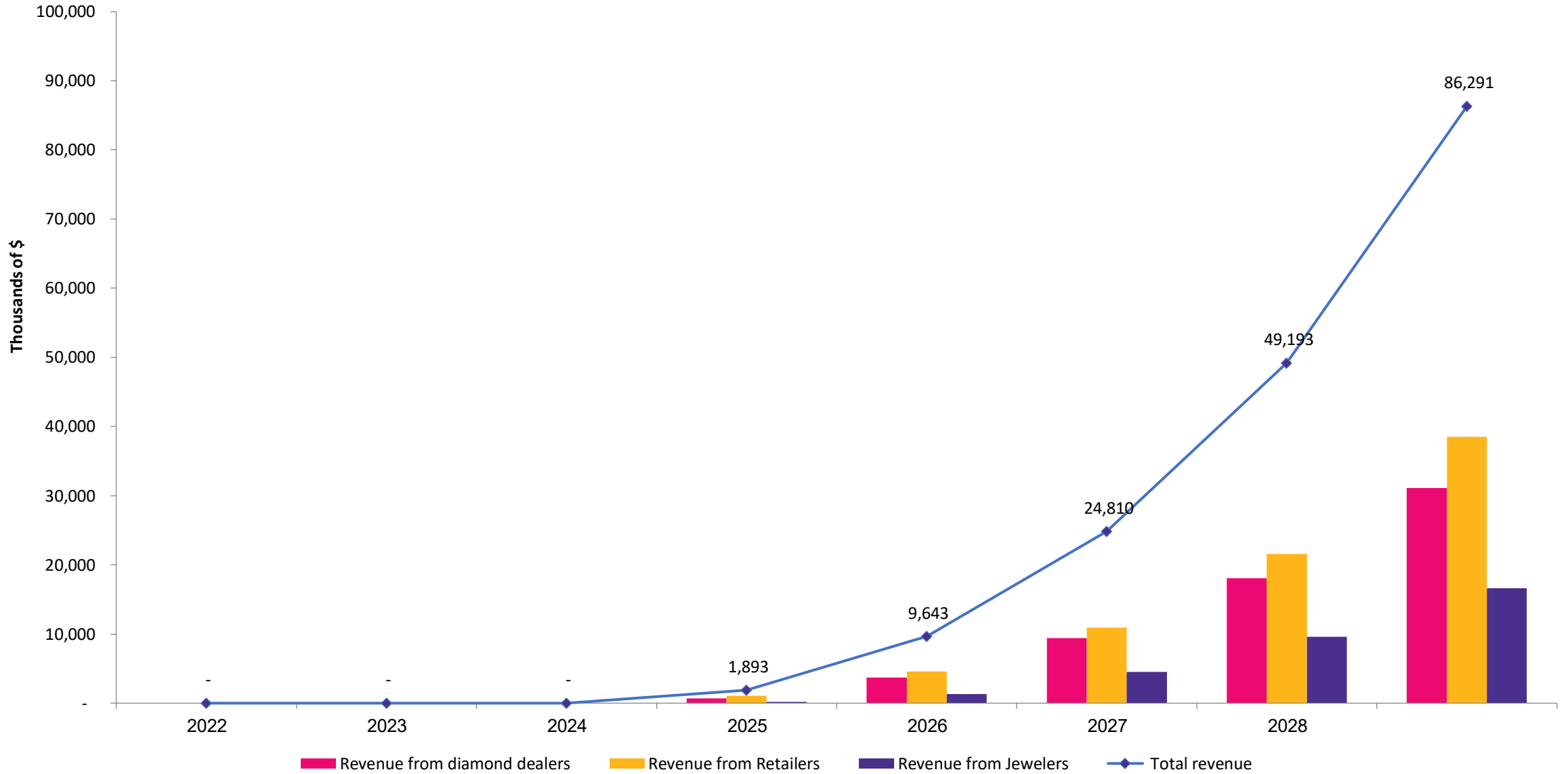
Differential payment - according to use.





	2023	2024	2025	2026	2027	2028	2029
Total revenue	-	-	1,893,327	9,643,413	24,809,888	49,193,366	86,290,944
Gross profit	-	-	- 143,913	6,441,408	16,419,263	34,605,626	64,164,804
%	-	-	- 8%	67%	66%	70%	74%
Total expenses	981,004	1,253,316	2,991,810	5,185,007	8,707,709	13,893,306	20,722,544
%	12%	12%	112%	50%	43%	38%	138%
EBITDA	- 938,054	- 1,195,613	- 3,078,020	1,350,899	7,830,369	20,885,536	43,615,477
%	-	-	- 22%	41%	48%	54%	54%
Net profit / loss	- 996,004	- 1,272,066	- 3,154,473	1,098,170	5,915,339	15,920,288	33,415,292
%	-	-	- 167%	11%	24%	32%	39%
Net profit / loss – accumulated	- 1,590,107	- 2,862,173	- 4,744,580	- 3,646,410	2,268,929	18,189,216	51,604,509







Yaniv Gaon
Co-Founder
CEO

An Expert in Electro-optics with extensive experience in leading innovative and complex projects at the forefront technological research. Graduate of the Technology Unit of the IDF Intelligence Corps. B.Sc in Electro-optics engineering and MBA from the Jerusalem College of technology (JCT).



Dror Pessa
Co-Founder
Business Development Manager

Extensive experience in entrepreneurship and business development ; Served as an entrepreneur and partner in the homeland security startup. B.Sc in Industrial Management from the Technion



Dr. Hamootal Duadi
CTO

Scientist with expertise in computational optical sensing technologies. Author of several papers and inventor of numerous patents. Direct-track Ph.D. and B.Sc. degrees from the faculty of engineering, Bar-Ilan University.



We have developed a cutting-edge game-changing technology that will change the world





Thanks

