**About the company**

* Flexitech Avia, established in 2015, is 100% privately owned by Honi Ayalon
* We are involved in the development and manufacture of heating elements that require high power density using thick film printing technology.
* Our clients in Israel and abroad include leading companies in the civil and security industries, such as Elbit, Rafael, Elta, Landa, Mobileye, QualitTau and more.
* We have a dedicated staff of ten, including two engineers.

**About the technology**

Our work is based on thick film technology, combined with advanced printing capabilities. We have extensive know-how resulting from dozens of years’ experience in the thick film printing of conductors.

**Current activity**

Our main activity is in custom-made solutions in the field of special PCB heating elements. We have long-term projects with companies in Israel and abroad in the field of detector and lens heating.

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**Strategy**

* Defrosters for Lenses: This is a product that we have already developed and is designed for use on windows and camera lenses in autonomous cars. This is a field where we have identified a strong demand for our solutions. There is also a need to increase the marketing array to reach stakeholders at relevant companies in order to apprise them of the solution at an early stage in system design.
* Crystal Oven: This is an oven for heating crystals suitable for certain devices in the laser industry in general and for green lasers in particular, a sphere that has seen substantial development in recent years. We have received NIS 700,000 in funding from the Innovation Authority to develop this project. A patent has been applied for, and we have completed proof of concept. Development is being carried out in cooperation with Tel Aviv University, which received an early model for testing, after which we received a positive assessment of the product. We have an end customer that has ordered initial proof models.
* Flow water heating: Development of a heating system that can be integrated in several areas, such as:

1. Water heating in household systems (water bars).
2. Steam heating for autoclave systems.

Development began this year. We know that the Flexitech technology has significant advantages in flow water heating for several reasons, and therefore another application was submitted to the authority for the development of this product.

Several years ago, we moved from a 350 square meter building in Tirat Hacarmel to a 700 square meter building in Hutzot Hamifratz, with an investment by the company owner of over NIS 1.5 million to renovate and adapt the property for Flexitech’s purposes.