

# Launch of Innovative Aeroponic Cannabis Plant

## Medican X Launches Israel's First Aeroponic Facility for Medical Cannabis Production

Medican X, a leading medical cannabis company, has announced the launch of Israel's first aeroponic facility for medical cannabis production in Tirat Carmel. This state-of-the-art facility, established with an investment of approximately NIS 70 million by Darwin Properties and Investments Ltd., marks a significant advancement in the country's cannabis cultivation technology.

### Innovative Aeroponic Cultivation

The aeroponic method utilized by Medican X represents a breakthrough in cannabis cultivation, as it eliminates the need for soil or any substrate. Plants are grown in a controlled environment where their roots are suspended in air and periodically misted with nutrient-rich water. This method promotes rapid growth and enhances the quality and purity of the cannabis produced.

Vitaly Benyaminov, CEO of Medican X, highlighted the uniqueness of their technology: "Our growing method allows us to provide patients with the highest quality treatment without human contact, pesticides, or irradiation. This is achieved through fully automated systems that meet all the plants' needs, ensuring consistent and pure cannabis products."

### Benefits of Aeroponic Technology

Aeroponic cultivation offers several advantages, including higher energy efficiency and shorter growth cycles. The technology enables a high frequency of flowering, allowing for multiple harvests throughout the year. By using recycled, fertilized water and avoiding pesticides, Medican X ensures that their products are safe and environmentally sustainable.

The company's facilities are equipped with advanced climate control systems designed specifically for Medican X. These systems maintain stable conditions, independent of external weather, ensuring optimal growth environments for the plants. The cultivation process is strictly monitored under the Ministry of Health's Good Manufacturing Practice (GMP) license and complies with the international ISO 8 standard for clean room classification in the inflorescence processing area.

### Commitment to Quality and Innovation

Medican X employs about 50 workers at its Tirat Carmel facility, where the cannabis flowers are currently distributed to approximately 190 pharmacies across Israel. The company plans to expand its product range to include medical cannabis oils in the coming months.

"Our focus on research and development allows us to adapt premium cannabis strains to our unique growing environment," said Benyaminov. "We are committed to providing high-quality, pure cannabis products at affordable prices, catering to the needs of patients nationwide."

The launch of this facility comes after a period of development conducted in secrecy, underscoring the pioneering nature of Medican X's technology. This facility is expected to set new standards in the medical cannabis industry, particularly in the areas of sustainability, product quality, and patient safety.

### **Future Prospects and Industry Impact**

The introduction of aeroponic cultivation technology in Israel is likely to have a significant impact on the country's medical cannabis industry. By enhancing the efficiency and sustainability of production, Medican X is poised to meet the growing demand for high-quality medical cannabis products.

The company's focus on innovation and adherence to stringent regulatory standards positions it as a leader in the field. As the market for medical cannabis continues to expand, Medican X's aeroponic facility represents a model for future cultivation practices, both in Israel and internationally.

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