

The logo features the word "Millennium" in a dark blue, italicized serif font, positioned over a yellow diamond shape. Below it, the words "Air Solutions" are written in the same dark blue, italicized serif font.

# *Millennium* *Air Solutions*

**Millennium AIR SOLUTIONS Ltd.**

# ABOUT US

Since 1998 and over the years, the extensive experience and knowledge in the field leads the company to **develop solutions for existing systems as well as innovative and unique systems in terms of climate control**, air drying, humidity solutions, clean rooms, industrial cooling and more.

The development capability allows us to produce **custom systems** with a high level of precision and considerable energy savings.

The company is considered as a leader in the sector of **energy efficiency**.

One of the most notable benefits is thinking outside the box while utilizing existing resources and integrating them into the company's systems.

The company has a **research and development department** including a pilot room where you can feel and learn closely how systems are built, understand their benefits, their capabilities and how it can serve and promote you as customers.

# Climate control system

In recent years there is an exponential absence of agricultural lands and therefore we are on a constant pursuit to find better means for agricultural growths.

One of the most common methods is indoor growths – inside of encapsulated structures  
This method has many advantages for the grower, however it requires special artificial environment to allow the effective growth.

Most solutions in the current market requires between 2-3 complexed sub systems with individuals controls to create the special environment needed for indoor growth

**Millennium air solutions provide one system which combines all needed components in one unique sophisticated and economical system.**

Our system allows for flexible operation which leads to exact environment conditions while saving significant energy to the end costumer.

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# Climate control system - advantages

- **High energy efficiency** coefficient saving up to 70% of the power consumption.
- **Versatile indoor system** for cannabis or any other agricultural needs.
- **High precision growing conditions** regardless to outer climate conditions.
- **Advanced control and system monitoring** to sustain the needed parameters for (humidity, temperature ,Air flow)
- All the systems are **fully controlled with remote accesses.**
- **Co2 and illumination monitoring** according to growths protocol
- Integrated management capability between assemblies that enables **precision in the measures** required to achieve optimal outcome

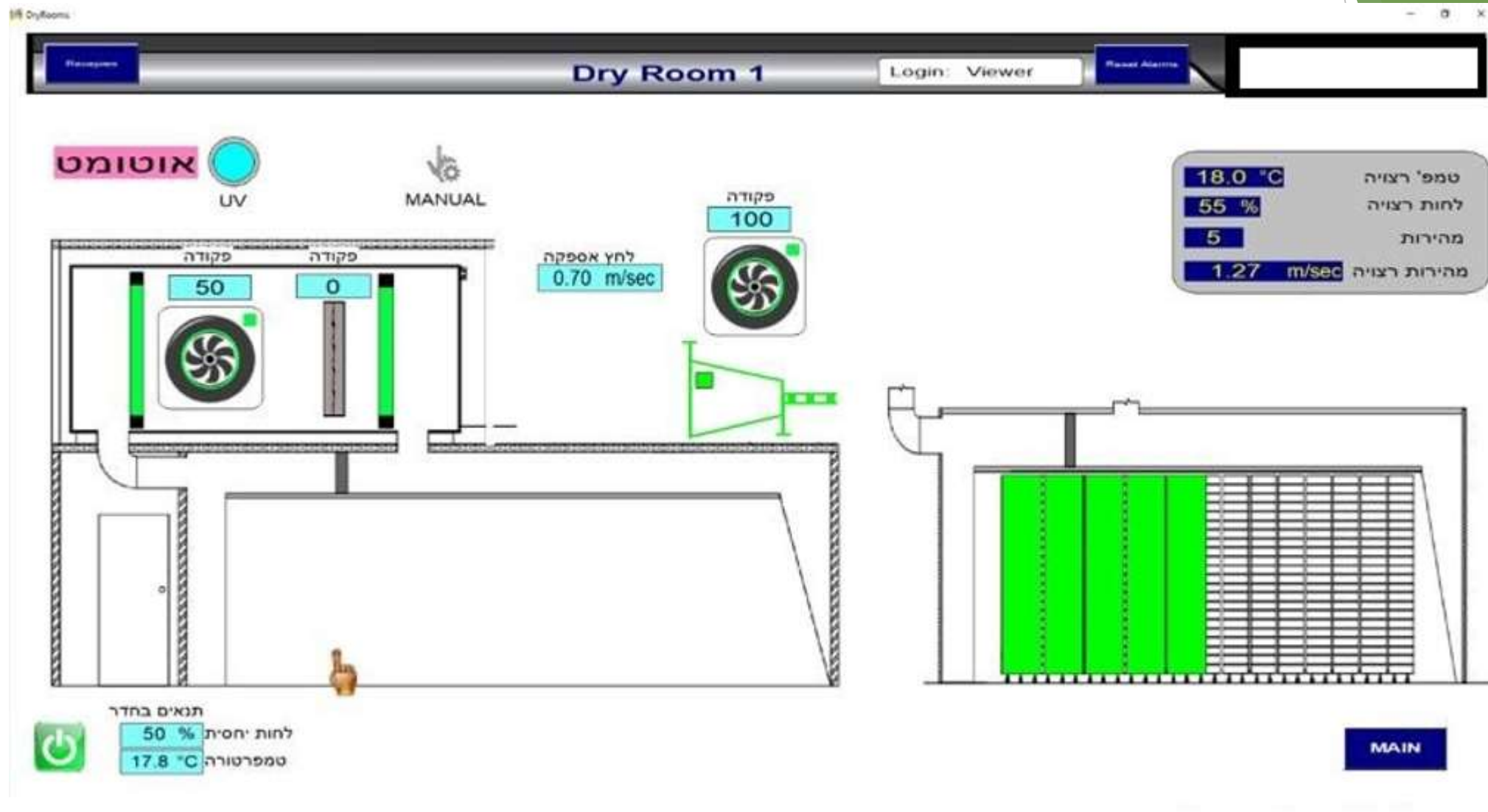
# Drying rooms

Millennium Air Solutions Ltd. has spent over 20 years designing and developing **unique and adaptable drying arrays for different and unique applications**, including drying seeds, biological materials such as medical cannabis blossoms and controlled grow rooms.

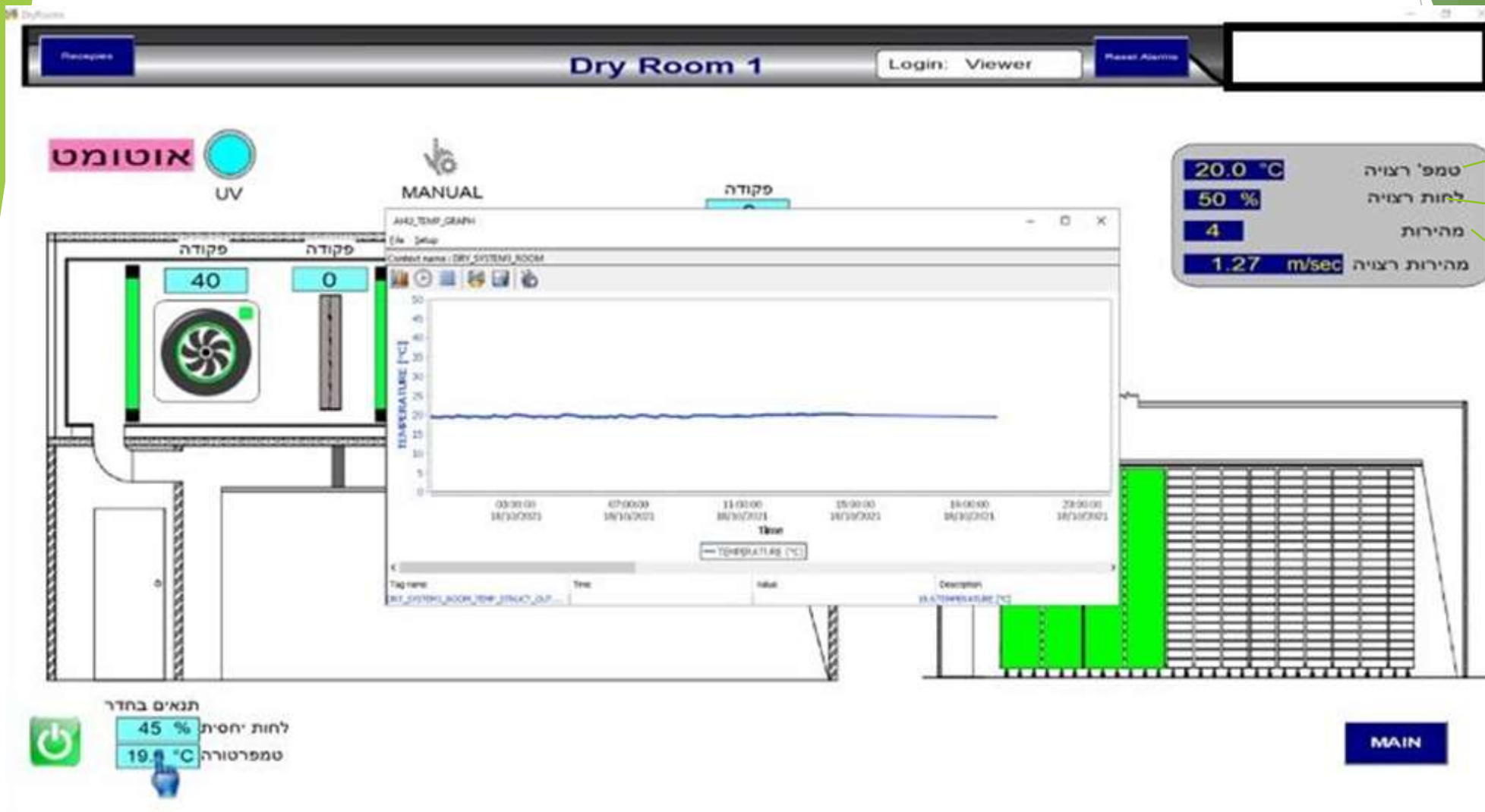
Many trials and deepening in the nuances of thermodynamics have created special systems that enable users to manage **precise and controlled desiccating cycles**, while continuously tracking the dew point through the integration of all selected system components and adapted to work synergistically.

The drying/air humidity adsorption process occurs in air cooling to the dew point, which is determined by the technology as a combination of temperature and relative humidity.

Reheating is used using the residual heat created in the gas system and is utilized intelligently and measured in the drying array.







Defined temp.

Defined humidity

Defined air flow speed

# Drying rooms- advantages

- Set drying programs tailored to the specific growth type based on customer requirements
- Maximizing and intelligent use of drying areas as a result of direct increase in throughput cycles per unit time
- Low temperature desiccant
- Intelligent drying process management and flexible process management
- Complete and fully automatic control of the drying measures required by an advanced control panel with remote accesses.
- Compliance and requirements based on GAP, GMP, EuGMP including filter, cleaning, sterilization, etc
- Correct plant handling - reduce depreciation in drying and direct savings in exploiting the percentage of inventory for sale
- Installation flexibility- in the hall, in a portable container near the area or anywhere else
- Operating flexibility—systems developed by millennium, so all planning and interface is tailored to customer needs from the design stage

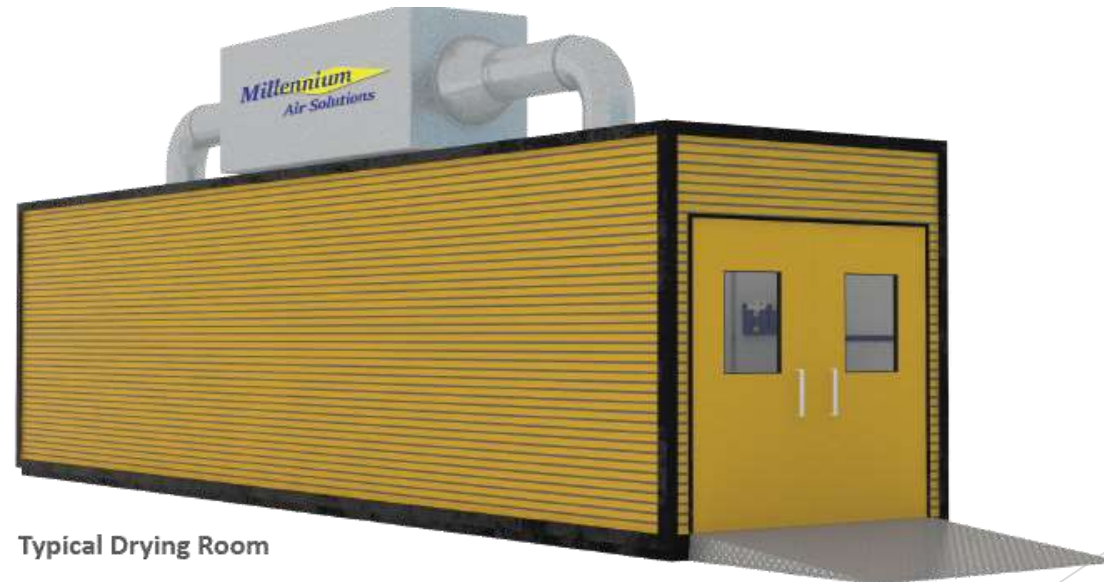
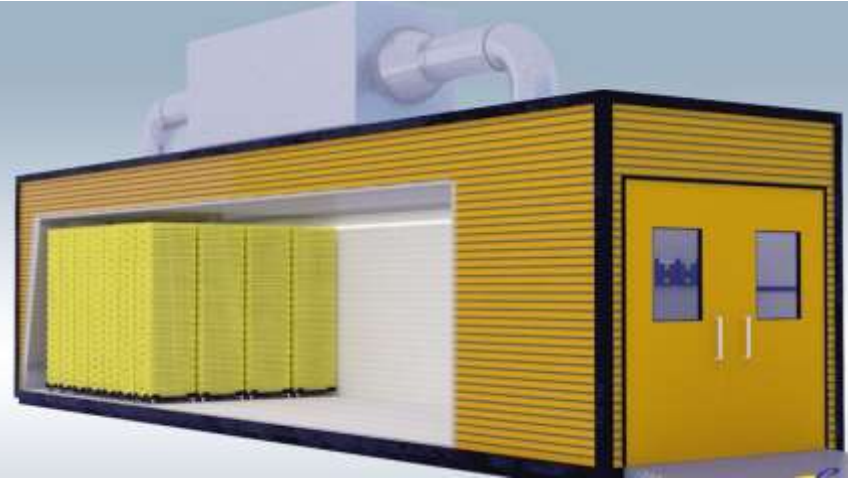
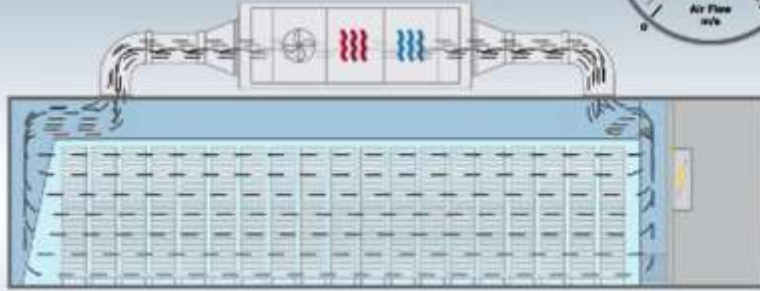




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## Air Flow Control

range of 0.2m/s - 2.5m/s



Typical Drying Room



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