



Your
microclimate
expert

Case study

Vertical farm producing medical cannabis installs 13 km KE GreenDuct textile ducts

Correct and even air distribution over the crops is critical in an indoor grow facility. Growing plants in a condensed space like indoor rack systems requires knowledge about the microclimate parameters such as type of plants, UV-light intensity, temperature, humidity and irrigation methods to ensure a good outcome compared to investment.

In close corporation with our customer and investor KE GreenDuct has developed a textile based ventilation duct system in the fabric MultiWeave. The customer wanted to ensure high-quality and efficient growth of cannabis with a solution providing uniform air distribution in the entire length of the grow racks.



Contractor

FormaPharm Engineering Group

Grow concept

KE GreenDuct System microclimate control in rack system

Ducting

4,426 m in Ø240 mm

8,218 m in Ø220 mm

296 m in Ø200 mm

Totally 12,940 m KE GreenDuct

Suspension method

Safetrack Mini

Technical performance

Air flow total: 1,141,400 m³/h

