

# Vertical Farming and Indoor Air Solutions



## New solutions to farming

The growing world population and accompanying urbanization makes it necessary to come up with solutions which put less stress on arable soils in the world. Vertical Farming and Indoor Growing hold the key.

Vertical Farming makes it possible to grow vertically. It is simply a way of growing crops and plants in different cultivation layers one above the other. This makes urban agriculture possible in, for example, empty office buildings in large cities, such as Dubai, New York or Amsterdam. Vertical Farming is also suitable in large greenhouses.

## Good micro climate and optimal air distribution

In this fast growing market many companies look at LED light regimes for growth and hydroponic systems for optimal produce. One other key feature in these systems is undervalued: a good micro climate and an optimal homogenous air distribution and this is the expertise of GrowAir.

To distribute air and create a homogenous micro climate looks very simple and easy, but it's a very complicated business, and mistakes are easily made.

With our 30 years of knowledge we know best how to distribute air.



**For indoor and vertical farming we combine the strengths of KE Fibertec and KE GrowAir to benefit you with:**

- Flexible and customized optimal solutions
- Horticultural and optimal air distribution knowledge combined
- Homogenous air distribution and micro climate in each corner and at every level
- Fire approved materials
- Easy to transport and install
- Hygienic/Food grade and easy to maintain
- Sustainable ventilation



**Perfect growing conditions and homogenous microclimate**

Control of the internal climate in you indoor growing facility gives you influence over both the growth of your crops and the prevention of diseases and crop damage.

The air movement must be homogeneous in the room so that no dry or damp spots arise.

**Any type of indoor growing facility**

Because no project is alike, we choose for every project the best combination of air distribution system and fabric to meet your demands for the project.

This ensures that you get the best homogenous air distribution and micro climate there is for optimal produce in the market.

We are able to combine the best parts of our two worlds: building climatization and horticulture.

We create the perfect growing circumstances and micro climate with a full range of air distribution systems for any type of vertical farm or indoor growing facility.

