



CLIMATE MODELLING

Know before you grow.

- ✓ Precision climate, quality crops, happy customers
- ✓ Master your environment, don't let the environment master you
- ✓ Your crop, your way

The modelling experience our team has is proven with many successful growing system throughout the world. A detailed awareness of local conditions is key to a successful design. We assess and evaluate parameters such as climate, day length, humidity levels, and temperature. Following that, our design team synthesizes this knowledge into the correct options for irrigation, structural, heating, cooling, lighting, electrical, and post-harvest systems.

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the correct microclimate within a greenhouse. This climate is specific to your crop and must be controlled properly for a successful crop. These two factors are primarily influenced by the outside climate and, therefore, require the right implementation of heating/cooling systems in order for proper internal 'weather' to be achieved everywhere.

DELIVERABLES

- Framework for interior climate demands
- Exterior climate data from global sources
 - Historical and contemporary data
- Evaluation of multiple installation strategies
- System recommendations
- Statistical evaluation of system requirements
- Based on chosen system, all energy, CO2, and water consumption
 - Computed at connected load
 - Monthly and annually



SUSTAINABLE PRODUCTION OF PLANTS AS SAFE, AFFORDABLE FOOD AND MEDICINE FOR EVERYONE