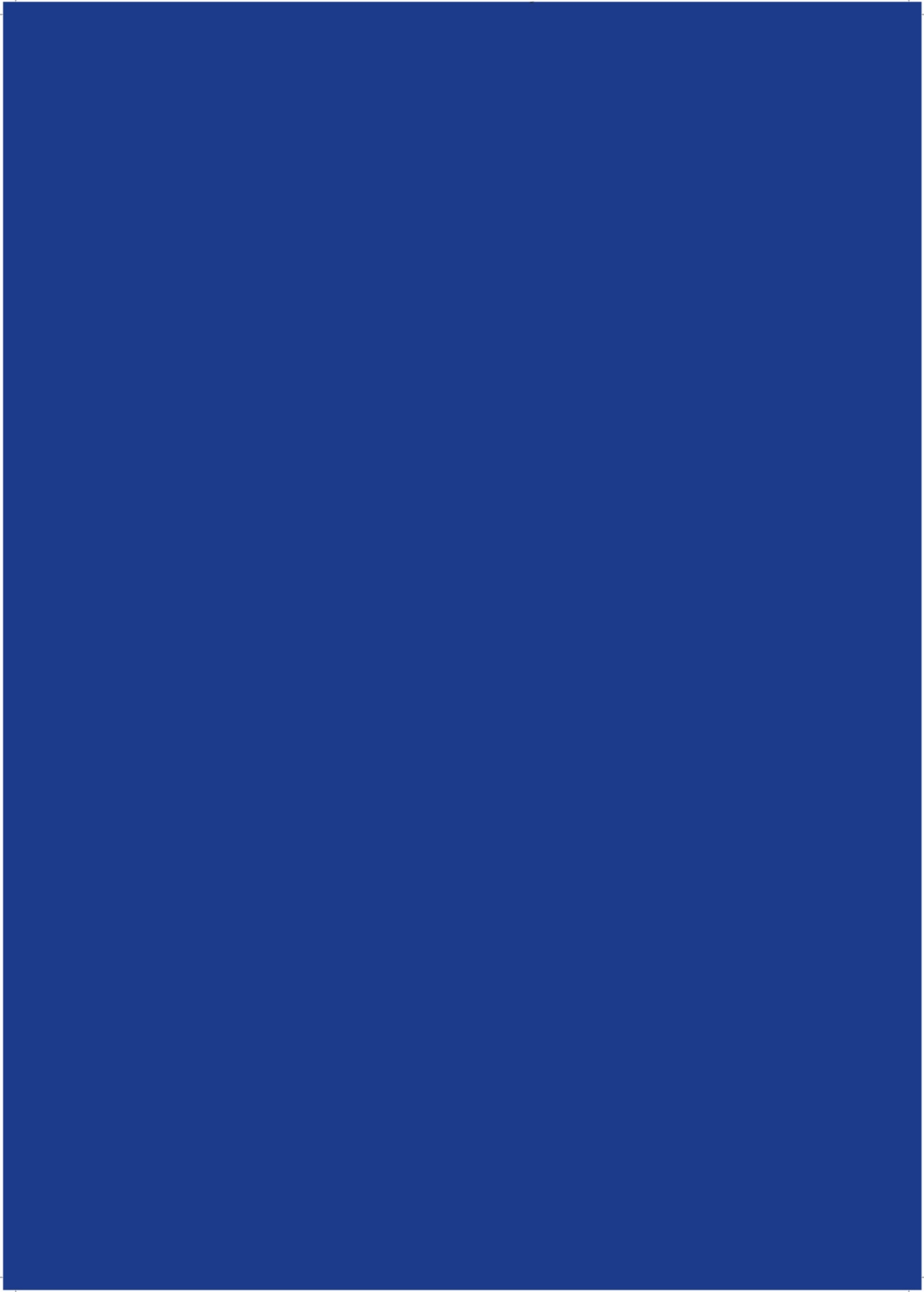




GREENHOUSE TECHNOLOGIES

www.artcan.com.tr





ABOUT US

Artcan Agriculture; with its modern, innovative and professional team, has the basic principle of producing best projects to Investors by using modern agriculture techniques. It is a group of company, which builds venlo type, turnkey glass and also plastic greenhouses worldwide during more than 25 years.



FIELDS OF ACTIVITY



PROJECT INVESTMENT PHASE

In order to get best result from the field, comparative technical studies will be realized for regions where greenhouse construction is planned to be performed.

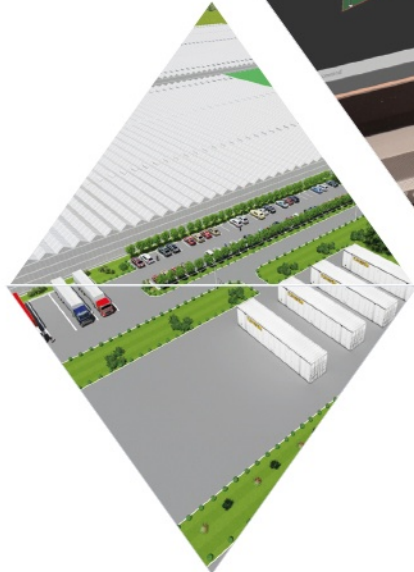
- **Structure of the field**
- **Climate data**
- **Production Conditions**
- **Demographic structure of the region**
- **Logistic and market conditions**
- **Feasibility study**

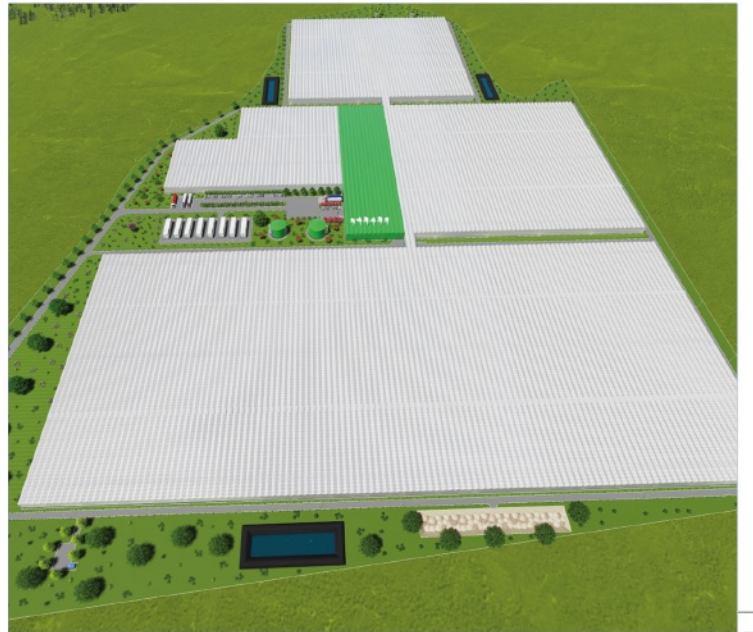


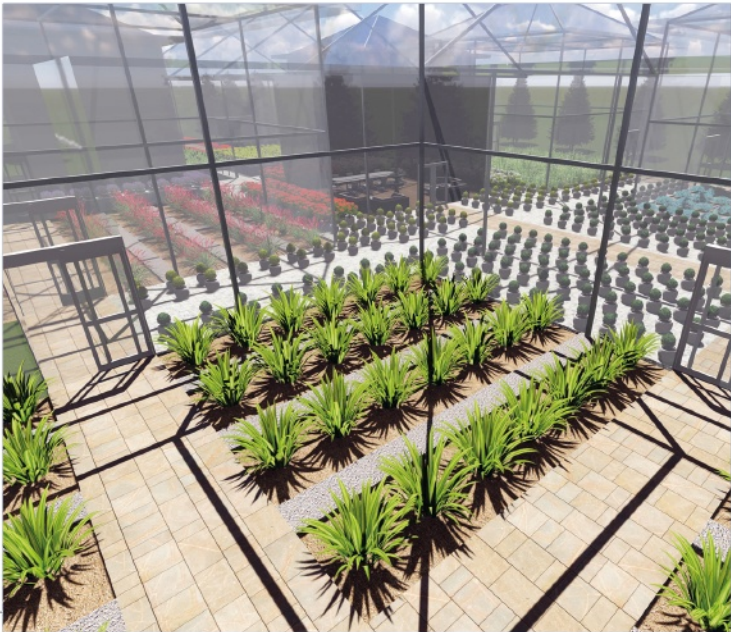
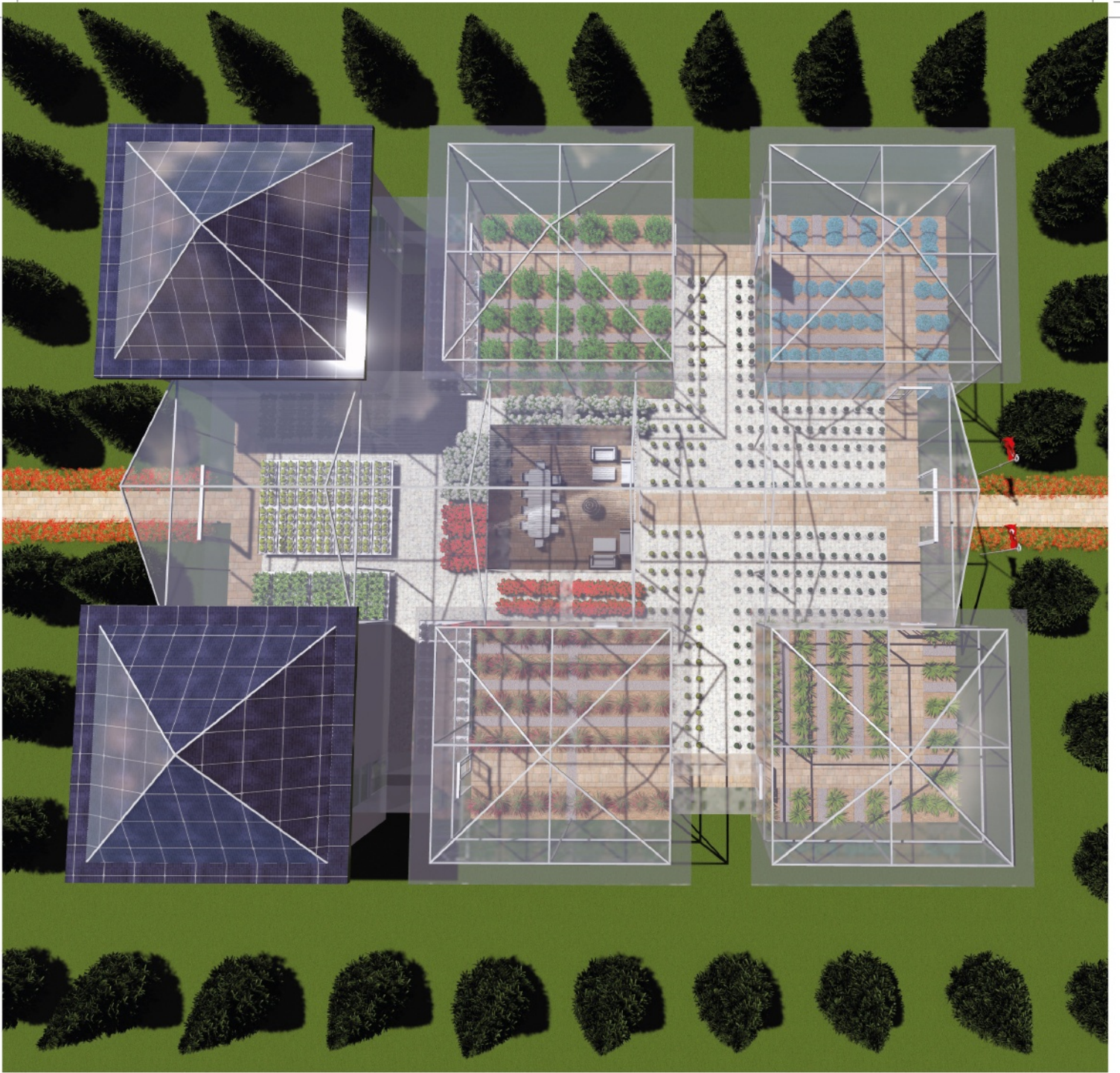


PROJECT

- Application projects are prepared for all greenhouse systems.
- Manual books are prepared for each system.









CONSTRUCTION

Artcan complete all of the construction work.

For determination of the structure for the project we provide the design according to the climate structure







INSTALLATION

Experienced and professional technical team, completes construction and installation works on time according to determined business plan.





GREENHOUSE SYSTEMS



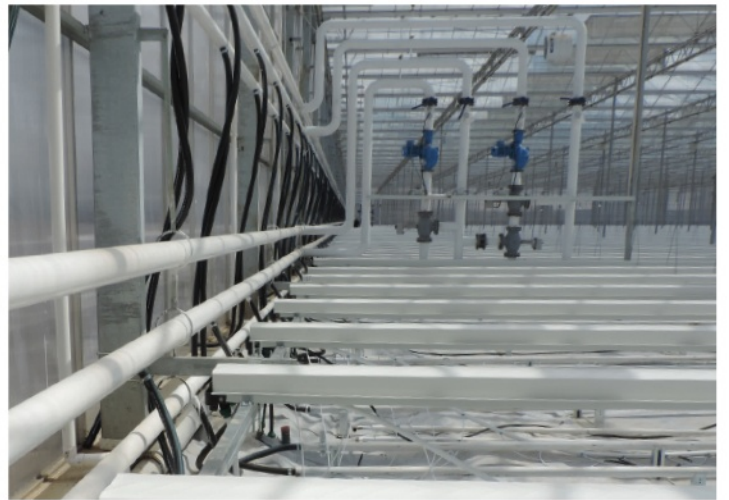




HEATING SYSTEM

Heating system Design;

- Transport Lines
- Overhead Heating
- Pipe rail Heating
- Crop Heating
- Snow Melting System
- Heat Storage Tank
- Pomp Groups
- Collector Groups
- Boiler
- CO₂ System





IRRIGATION & AUTOMATION SYSTEM

- Irrigation System Design
- Climate Control and automation system
- Remote control and controlling
- Irrigation machine
- Water storage tanks
- Fertilizer storage tanks
- Installation of irrigation system and commisioning.
- Drainage recycling system





ARTIFICIALS LIGHTINING

- High Pressure Sodium lamps
- Led Lightining
- Top Lightining
- Inter Lightining
- Panels and transformers
- Cables





COGENERATION SYSTEM

There is a relation between energy and economy; when your energy consumption increases then your cost also increases. That is why in order to decrease your energy cost we install Cogeneration (CHP) systems. Especially for artificial lighting the cogeneration systems are a must. That is why when you produce energy at where you use it then your energy cost will decrease and independent to network there will be continuous and quality supply of electricity

- **Installation & Commissioning**
- **Indoor System**
- **Outdoor System**





FOG SYSTEM

High pressure fog system. Specific greenhouse systems are designed considering the climate of the region. At this point, the air will be chilled and moistened.

INSIDE GREENHOUSE EQUIPMENTS

- Screening (vertical and horizontal screen) System
- Ground Cover
- Growing gutters
- Circulating Fan
- Cooling Pad



NURSERY SYSTEMS

Modular Benching System

We use nursery as seedling cultivation area and after this area is also used as a production area.





GREENHOUSE VEHICLES

- We supply all greenhouse vehicles.






CONSULTANCY

After implementation of construction works we provide the Investor with technical Consultancy and Support services concerning production and the other processes with help of.

At the production stage we render the agriculture Consultancy services with help of equipped and professional agriculture engineers.



The amount of windows are minimized creating additional light.

The Greenhouse maintains a slight overpressure which creates a more homogenous climate, critical for even cropping, along with heat and CO₂.

Air passage allows for reuse of CO₂ and heated air saving energy costs.

Additional heating/cooling modules.

Perforated air ducts below plants allow for an even distribution of warm and cold air.

EC-Fans individually controlled.

Sustainable stainless steel insect netting keeps harmful insects out.

For warmer climates a pad cooling system can be installed for maintaining ideal temperatures.

CO₂ is sucked directly into air ducts.

MODUL AIR SYSTEM

- A better controlled greenhouse optimized use of energy and CO₂
- Minimum used of pesticides
- Increased yields
- Better quality of crops
- Sustainable production





PRODUCTION

- We undertake all production with our agricultural engineers and agronomists at each step of the production.
- We make production plan starting from the beginning of process.
- We determine product variety according to climate, greenhouse and market conditions.
- We report all data related to production.





TRAINING OF PRODUCTION STUFF

After starting construction and installation works we provide training of the production stuff, which is the part of our group and its integration to the project.

We provide training of technical team.

A large triangular collage on the right side of the page, composed of several smaller images of tomatoes. The top part shows a long row of yellow cherry tomatoes hanging from vines in a greenhouse. Below that, there are images of dark purple/black tomatoes, yellow cherry tomatoes, and red cherry tomatoes. The collage is divided by white lines forming a triangular shape.

EXCLUSIVE VARIETIES

The production of exclusive varieties is more profitable, so we increase the profitability of production and create difference.

We give a support to the Investor at the point of “exclusive” varieties production and getting their usage rights.





BRANDING

We investigate the markets conditions for the products will be grown.

We provide to all technical support to producers for the branding.

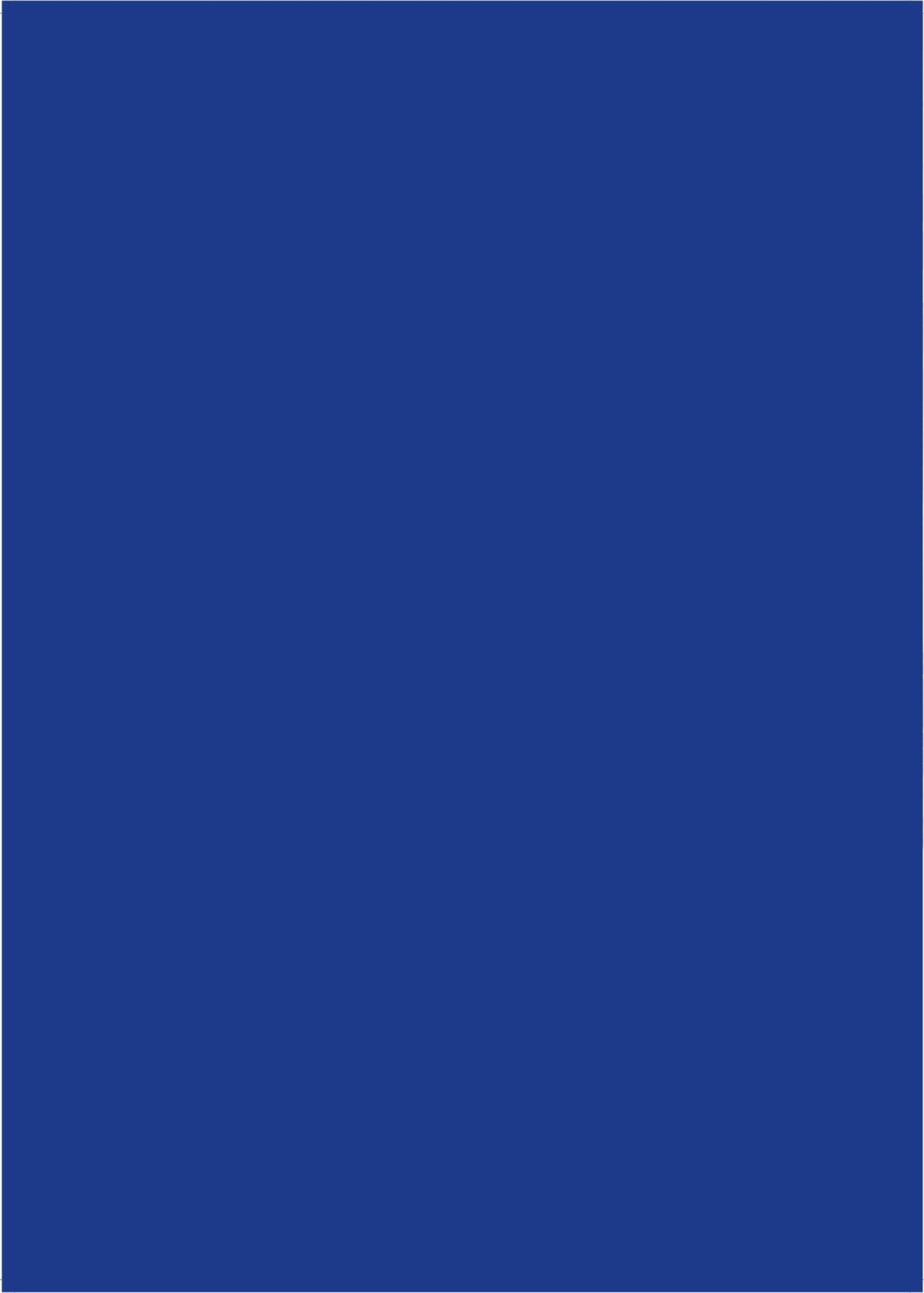




EXPORT & MARKETING

We investigate the markets conditions for the products that will be grown and we select high value added products which quality and variety are suitable to the market demand.







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