

# GREEN HOUSES

HIGH TECHNOLOGY FOR AGRICULTURAL DEVELOPMENT

# IS A COMPANY WITH A VAST EXPERIENCE IN MANUFACTURING AND DEVELOPING GREENHOUSES.

WE COLLABORATE WITH AGRICULTURAL PRODUCERS OFFERING THEM A COMPREHENSIVE SOLUTION FOR THEIR CROPS AND ASSISTING THEM IN THEIR PROJECTS FROM BEGINNING TO END.

» We have been installing greenhouses for more than 35 years all over the world. Our facilities are over 10,500 m², with the most advanced equipment and the best qualified employees for manufacturing greenhouses.

INTERNATIONAL:  
We have installed our projects in more than 50 countries. As a company with global vision, we convert the projects into reality, adapting to the needs of each client, culture and geographic location of the installation.

QUALITY:  
Quality is one of the main pillars of ULMA Agrícola. This is a factor that is present throughout the entire process of manufacturing and installing our greenhouses or related services. We manufacture the steel parts for our greenhouses and we control all the process.

*ULMA Agrícola is compliant with the current European standard for design and assembling, standard UNE 13031-1, within certain processes where the total quality policy takes precedence, achieving the ISO 9001 certification.*

HIGH TECHNOLOGY AND INNOVATION:  
We invest in research with the aim of designing new and improved greenhouses in order to offer producers the best efficiency, increasing the productivity and quality of their products.

COMPREHENSIVE SOLUTIONS:  
Along with our greenhouses we offer a wide range of equipment to achieve the ideal climate (temperature, humidity, light) for each culture and maximize the functionalities of our greenhouses



**ULMA Agrícola** is part of the ULMA Group, one of the largest Business Groups in northern Spain with over 50 years of presence in national and international markets. Comprised of 8 cooperatives, which are leaders in several sectors, we share values, experiences and culture. Currently we are able to compete globally around the world.



WE HAVE EVERYTHING YOU NEED

# COMPREHENSIVE PROJECTS AT THE SERVICE OF **AGRICULTURE**

» We accompany you throughout the definition process, design, installation of your project, adapting to your needs, meters, cultivation, location, climatology ... in an integral process:



## CONSULTING:

We analyze the climate conditions of the location, assess regarding the most suitable structure for each project and study what type of equipment is most suitable for obtaining the maximum productivity.



## ENGINEERING:

We apply the latest technology in design and calculation for optimizing resources. We design the project that you need.



## MANUFACTURING:

We make our own materials for the construction of greenhouse structure, in fully robotic processes, which range from the shaping of the tubes to the finished product and its distribution.



## ASSEMBLY:

We will lead and execute the most technical project anywhere in the world.



## AFTER SALES:

Once the installation of the greenhouse has been completed we offer technical assistance and maintenance service.



## TEAM

**WE KNOW,  
WE WAVE,  
WE APPLY**

that each project is different. Each crop requires a type of technology, calculation and specific design.

a large engineering department, an extensive technical/sales network and highly qualified assembly teams.

the best solution for each crop and for optimizing customers' available resources.



FARMER  
CUSTOMER



SURFACE-M²



HORTICULTURE



FLORICULTURE



NURSERY



WAREHOUSE  
& OTHERS



FERTIGATION



ENERGY  
EFFICIENCY



CLIMATE  
CONTROL



CIRCULAR  
MULTISPAN



MULTICAPILLA  
GÓTICO



HORTICULTURE

## >> COMPREHENSIVE SOLUTION

Since our beginnings, we have been a pioneer in manufacturing metal structure greenhouses, dedicated to vegetable growing.

We offer customized solutions to guarantee and maximize the profitability of the most widespread vegetables in greenhouses: tomato, sweet pepper, melon, pumpkin, lettuce, cucumber and eggplant.



SURFACE  
**10 Ha**

AREA  
**Central América**



CROP  
**Bell pepper**

### 💡 OFFERED SOLUTIONS:

Complete installation of the greenhouse for the growing of peppers in hydroponics, including a germination chamber and packing area. A high-tech greenhouse.



HORTICULTURE

# » MAXIMUM PROFITABILITY



SURFACE  
**0,8 Ha**

AREA  
**Europa**



CROP  
**Guindilla/Chile**



## 💡 OFFERED SOLUTIONS:

Installation of high-tech greenhouse for Chili cultivation in hydroponics. Includes system of climate control for the automated management of all the equipment installed for that purpose.



FLOWER GROWING

## » ADAPTATION TO EACH CLIMATIC NEED

The delicate climatic needs of ornamental plants and cut flowers, are covered with our extensive range of coatings and equipment for climate management.

We have a lot of experience in building greenhouses dedicated to the cultivation of roses, carnations, anthuriums, orchids, Poinsettias, ...



SURFACE  
**1,6 Ha**

AREA  
**Asia**



CROP  
**Anturio**



### 💡 OFFERED SOLUTIONS:

Installation equipped the highest technology, all the necessary equipment for a nursery-of ornamental plant. It also includes system automated for the integrated control of fertigation and the equipment installed for climate control.





AQUACULTURE

## RESISTANT TO HUMIDITY AND SALINITY

This is a market for which special solutions have been developed according to the demands of these types of projects, such as humidity or high degrees of salinity.

These types of facilities are designed for farming aquatic species, young fish and shrimp, followed by growing algae for medicinal, cosmetics or aquatic animal feeding applications and the growing of micro-algae for biodiesel production.



LIVESTOCK

## MAXIMUM VERSATILITY

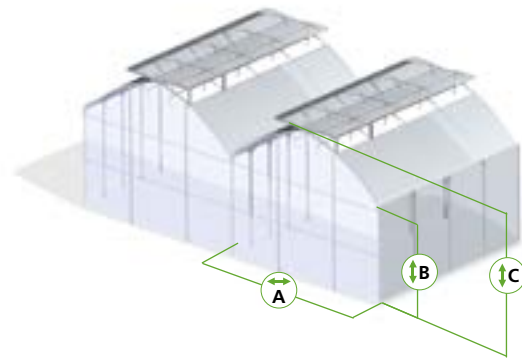
We adapt the structure, coverings and climate control equipment to the biological needs of each species thus ensuring the well-being of the animals.

Several livestock farms use greenhouse structures for their facilities such as cattle farming, sheep farming, horse farming, poultry farming, rabbits or snails.

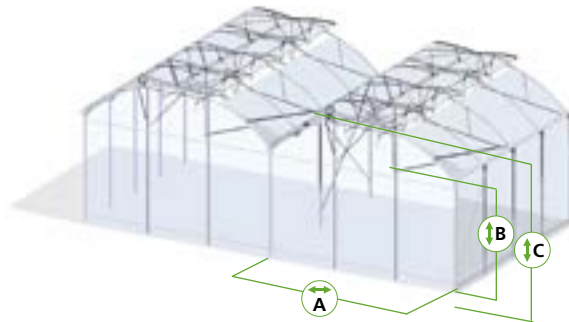


STRUCTURE

+ TECHNICAL DETAILS



	G9			G12			G14		
Bay width "A"									
Spans									
Distance between external pillars									
Distance between internal pillars									
Crop support bar									
Gutter height "B"									
Ridge height "C"									



	M6			M8			M9			M9.6			M10		
Bay width "A"															
Spans															
Distance between external pillars															
Distance between internal pillars															
Crop support bar															
Gutter height "B"															
Ridge height "C"															

>>

ADDITIONAL  
EQUIPMENT FOR  
GREENHOUSES



**Screen**  
Helps to control the amount of light, humidity and temperature reducing energy costs.



**Outside thermal screen**  
It prevents the entrance of an excess of radiation inside the greenhouse allowing a correct ventilation.



**Water heating**  
System based on circulating hot water through a network of pipes.



**Hot air heating**  
For cases that do not require an important amount of continuous heating.



**Air circulation fan**  
Efficient distribution of the air inside the greenhouse, improving the quality and homogeneity of the internal climate.



**Extractor fan**  
Equipment used for renewing the air inside the greenhouse, extracting the hot air from the inside.



**Cooling**  
Water evaporation cooling system comprised of a cellulose panel that is dampened with water.



**Fog system**  
Misting system used for increasing the humidity and lowering the temperature.



**Fertigation**  
Simultaneous application of water and fertilizers through the irrigation system.



**Climate control**  
Wide range of climate controllers for the automated management of greenhouses.



**Inflatable roof**  
The creation of an air chamber between layers of plastic allows energy saving and more efficient controlling of the temperature.



**Growing benches**  
Fixed, transportable or mobile equipped with metallic grid or ebb and flow bottom. Ideal for exhibitions.

MORE  
INFORMATION:  
[www.ulmaagricola.com](http://www.ulmaagricola.com)





**Agrícola**

---

**ULMA Agrícola S.Coop.**

B. Garibai 9  
20560 Oñati  
Gipuzkoa - ESPAÑA  
Tel. (+34) 943034900  
Fax. (+34) 943716466  
info@ulmaagricola.com  
www.ulmaagricola.com

---

**ULMA Construcción y Agrícola de México S.A. de C.V.**

Tel. (55) 11132038 / 11132469  
info@ulmaagricola.com.mx  
www.ulmaagricola.com.mx

