

Sanjorge

field making



Services and products portfolio

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**We are a solid company
with more than 35 years
of experience in the
agriculture industry**



We have more than 16.000 m² of equipment and a professional team in continuously training.



We develop customized projects according to the required infrastructure needed.



We offer integrated, innovative and competitive solutions.



We collaborate with leading companies in the industry.

International company



Based in Spain, our projects in Europe, Africa, South America and Asia have guaranteed our work.

1/ Greenhouses



“

We design, manufacture and install the best greenhouses, adapted to our customers' needs



Greenhouses services

Design to measure. We develop the project to measure, according to the demands of our customers.

Brake cutting. We proceed to the creation of galvanized strip with the dimensions required for each project.

Manufacture of tubes. To make our pieces it is necessary to weld the strip to transform it into round tubes cut to the specific size.

Elaboration of parts. We adapt and design elements of the greenhouse for the optimization of the project. We produce new and customized pieces according to the needs of the crop.

Equipments. The adequate characteristics of our plastics and meshes we ensure the success and optimization of the greenhouse.

Final project. With the help of our technicians and assemblers we finalize our project having the satisfaction of our clients.





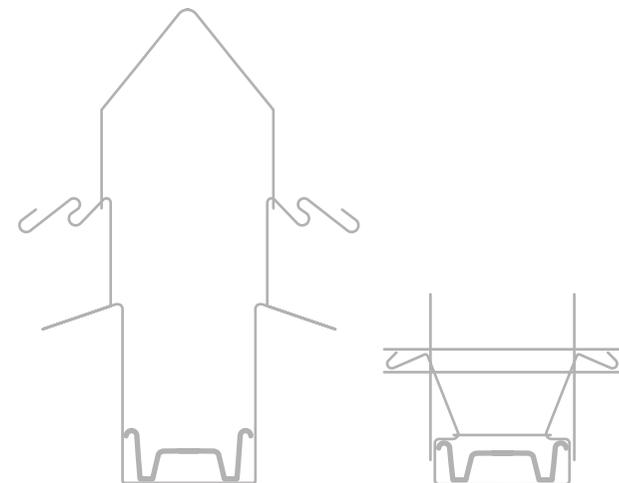
“ Innovation

We work straight on the ground to be able to perfectly solve each situation

Our competitive advantage

Innovative supports for crops. At Sanjorge we create products for crops, tailored to our customers' needs. Our products include a complete and wide range of suspension and support materials, to ensure greater production by not damaging the crop and to increase production by improving and easing the fruit harvest.

We manufacture the hydroponic channels. We use specialized machines which allows us to work straight on the ground and to adapt the work to each specific situation.



Customized support schemes for hydroponic crops

“ Greater resistance

We pioneered the use and installation of the strong oval tube

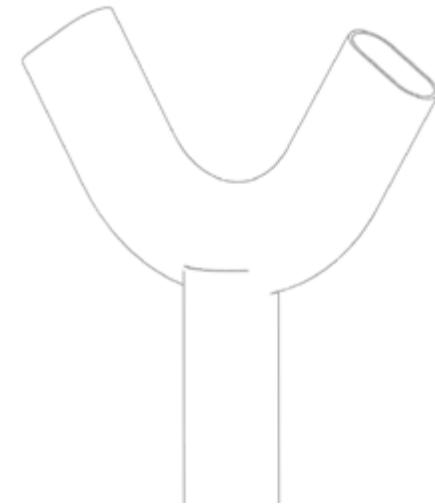
Oval Tube

The tubes used in our greenhouses are usually circular, but at Sanjorge we have a new oval tube system.

These oval tubes, our innovative hallmark, offer a greater resistance to installations, positively impacting on any type of crop. In fact, these oval structures can **support 2 to 3 times more weight** than circular tubes, considerably increasing the load possibilities.



Oval tube section



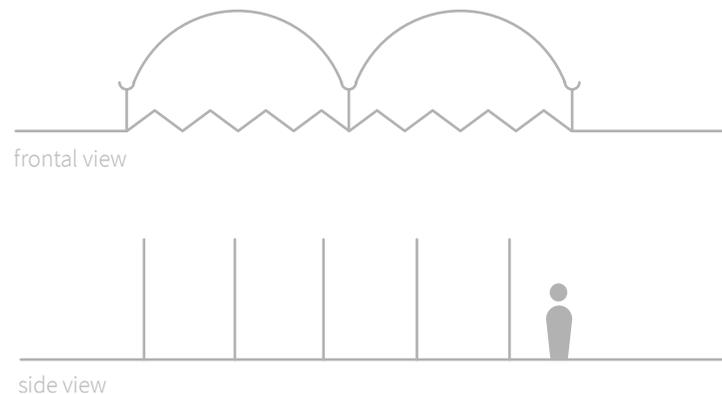
3D Scheme

Simple Macro (Large) Tunnel

We have a long experience in the manufacture of the Macro tunnel greenhouse that allows us to be leaders in its manufacture.

BENEFICTS

- 01. Lower initial investment of structures.
- 02. Does not require a high qualification for assembly.
- 03. We offer the option of making our macro tunnels with oval tube, being more resistant to any inclement weather.



						
from 4,5 to 7,2m	from 25 to 100m	from 2 to 5m	35mm	1,5-2mm	Dx51-S350	Z-200/Z-350
width of the tunnel	length of the tunnel	distance between legs	diameter of the tube	thickness	quality of steel	Galvanized quality



Reinforced Macro Tunnel

The Reinforced Macro tunnel Greenhouse is more resistant to the inclement weather.

It is reinforced with struts of arch and cross of San Andres between sticks. We use a zenith belt with support that goes from arc to arc accompanied by thermal plastic and lateral attachments.

BENEFICTS

- 01. Lower initial investment of structures.
- 02. Does not require a high qualification for assembly.
- 03. We offer the option of making our macro tunnels with oval tube, being more resistant to any inclement weather.



frontal view



side view

						
de 4,5 a 8,5m	de 25 a 100m	de 2 a 5m	35-40mm	1,5-2mm	Dx51-S350	Z-200/Z-350
ancho del túnel	largo del túnel	distancia entre patas	diametro del tubo	espesor	calidad del acero	calidad del galvanizado



Greenhouse Top Snow

This greenhouse has an innovative design and preserve the advantages of the Reinforced Macro tunnel.

This allows us to perform higher planting, which favours aeration and allows the snow to fall due to its slope. This is the best option for climates with snowfall risk.

BENEFICTS

01. Lower initial investment of structures.
02. Does not require a high qualification for assembly.
03. Strong resistance to variation in weather conditions.
04. We offer the option of making our macro tunnels with oval tube, being more resistant to any inclement weather.



frontal view



side view

from 4,5 to 8,5m	from 25 to 100m	from 2 to 5m	35-40mm	1,5-2mm	Dx51-S350	Z-200/Z-350
width of the tunnel	length of the tunnel	distance between legs	diameter of the tube	thickness	quality of steel	Galvanized quality

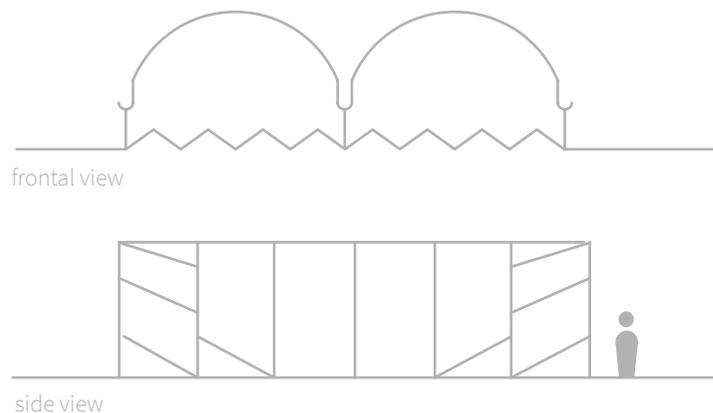


Greenhouse Top Berries

The Top Berries type macro tunnel is similar to the reinforced macro tunnel but allows plantations with greater height.

BENEFICTS

01. Lower initial investment of structures.
02. Does not require a high qualification for assembly.
03. Strong resistance to variation in weather conditions.
04. Higher height, better aeration and lower harvesting cost.
05. We offer the option of making our macro tunnels with oval tube, being more resistant to any inclement weather.



						
de 5 a 8,5m	de 25 a 70m	de 2 a 5m	35-40mm	1,5-2mm	Dx51-S350	Z-200/Z-350
ancho del túnel	largo del túnel	distancia entre patas	diámetro del tubo	espesor	calidad del acero	calidad del galvanizado



Greenhouse Top Windows

The Top Windows Greenhouse is especially designed for hydroponic crops or higher crops. A structure with openings on both sides of the greenhouse, allowing the plants to be aerated.

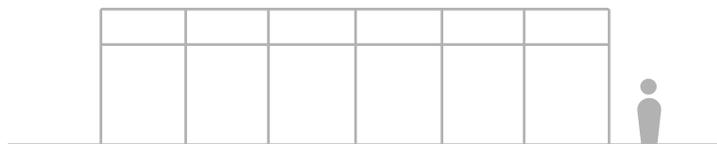
No special qualification is required to open and close these windows, as these actions are easily performed by farm workers.

BENEFICTS

- 01. Does not require a high qualification for assembly.
- 02. Strong resistance to variation in weather conditions.
- 03. Structures higher and more open allowing a greater air stream.
- 04. Reinforced structures with side window.
- 05. Low cost in aeration thanks to the easy handling of the side windows.



frontal view



side view

from 8m	from 25 to 70m	from 2 to 3m	40mm	2mm	Dx51-S350	Z-200/Z-350
width of the tunnel	length of the tunnel	distance between legs	diameter of the tube	thickness	quality of steel	Galvanized quality

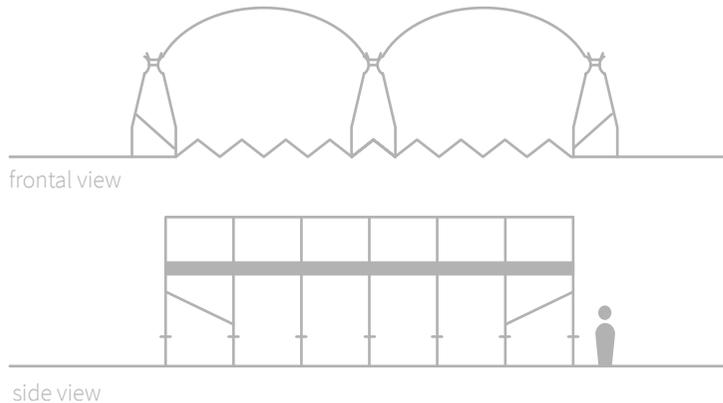


Pata Toro greenhouse

Sanjorge has created a new greenhouse concept that is being widely accepted. The return on investment is in a short time. It is a system that allows increases in productivity and cost reduction. The PATA TORO Greenhouse is especially suitable for hydroponic crops.

BENEFICTS

01. Structures is higher and more open allowing a greater air stream.
02. Significant cost reduction (plastics, water, labour).
03. Eliminates costs of assembly and annual disassembly of the plots.
04. Improvement and increase of production for drip culture.
05. Decrease in water needs thanks to lower consumption and recovery of rainwater.
06. Dynamic structure that improves pollination.
07. Increase between 30% and 50% plants per hectare.



						
de 8m ancho del túnel	de 25 a 70m largo del túnel	de 2,5 m distancia entre patas	40mm diametro del tubo	2mm espesor	Dx51-S350 calidad del acero	Z-200/Z-350 calidad del galvanizado



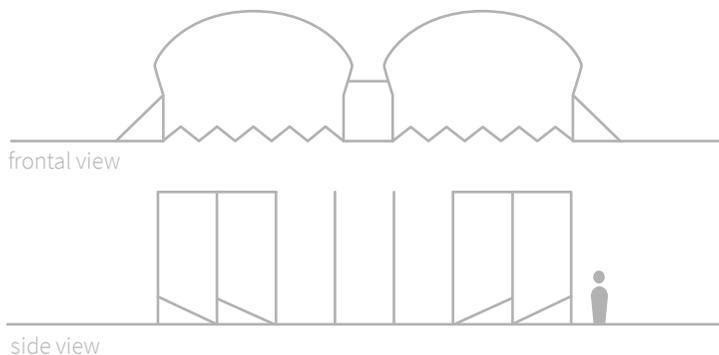
Omega greenhouse

The Omega Greenhouse is a version of PATA TORO Greenhouse in which we have included the advantage of a corridor between tunnels that facilitates the treatment with machinery of the fruits.

It does not require a large initial investment such as PATA TORO Greenhouse because we simplify its structure while retaining the same advantages in dimensions.

BENEFICTS

01. Structures is higher and more open allowing a greater air stream.
02. Significant cost reduction (plastics, water, labour).
03. Eliminates costs of assembly and annual disassembly of the plots.
04. Improvement and increase of production for drip culture.
05. Decrease in water needs thanks to lower consumption and recovery of rainwater.
06. Dynamic structure that improves pollination.
07. Easy access of machines for treatment and other products.



from 5 to 7,4m	from 25 to 70m	from 2 to 4m	35-40mm	1,5-2mm	Dx51-S350	Z-200/Z-350
width of the tunnel	length of the tunnel	distance between legs	diameter of the tube	thickness	quality of steel	Galvanized quality



Span greenhouse

Sanjorge offers the opportunity of a facility equipped with the highest technology and the necessary infrastructure for total climate management.

Structures designed to obtain greater volume of air in the interior with an unbeatable ventilation thanks to its automated Zenithal windows.



m 01, double ventilation

m 01, simple ventilation



m 02, simple ventilation

m 02, double ventilation

de 5 a 10m	de 25 a 100m	de 2 a 5m	40-60mm	1,5-2mm	Dx51-S350	Z-200/Z-350
ancho del túnel	largo del túnel	distancia entre patas	diametro del tubo	espesor	calidad del acero	calidad del galvanizado



2/ Greenhouse accessories



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We are specialists
in installing the
best techniques for
hydroponic crops





Hydroponics

We install hydroponic systems for growing height, a simple, clean, productive and innovative technique.

We make the structure to the desired size offering all the necessary elements for hydroponic cultivation: coconut fiber, pots, channels, supports





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Installing the best greenhouse ventilation systems improves production

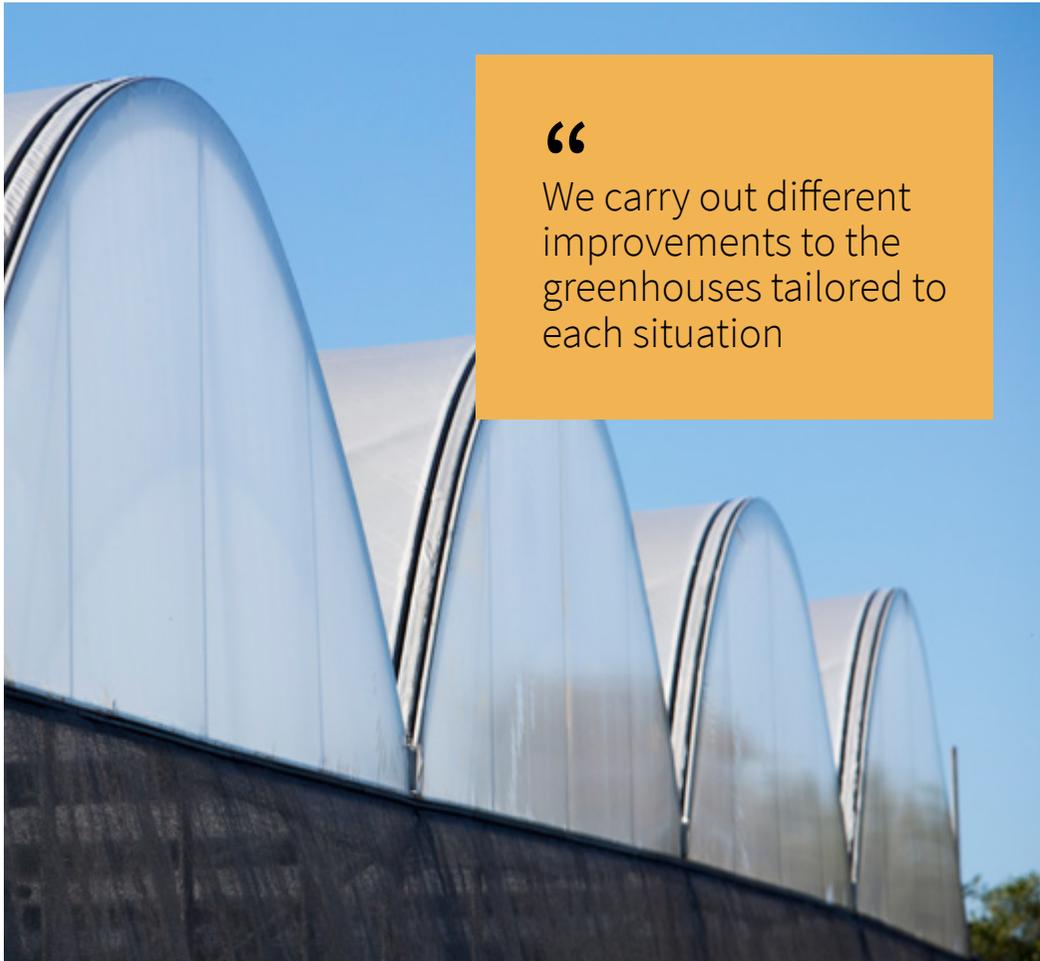


Doors, windows and road tunnels

Sanjorge incorporates doors and windows into its greenhouses that will benefit them while maintaining heat as well as aerating the greenhouse when necessary.

Thanks to our systems of easy opening and closing with a minimum investment we improve the costs of aeration increasing the production.





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We carry out different improvements to the greenhouses tailored to each situation



Reinforcement Fittings

We can reinforce any greenhouse anticipating any variation in undesirable weather, making it safer and stronger.

We carry out reinforcements with different pieces according to the needs of the project.

Side Reinforcement to give robustness to the plots. We use **strut strips and stairs** anchored to the ground.

Cerchas to strengthen the arcs with **strut punctles** calculated at 45° consolidate the circumference of our tunnels.

Reinforcement with **cruz San Andres**.

We strengthen the first lines of our tunnels with **strut points**.

Central reinforcement with type S piece.



“

The different accessories enhance the greenhouses' potential



Accessories

We have galvanized profiles that facilitate the fastening of plastic.

We develop our projects by providing all types of supplements that facilitate and increase productivity in their greenhouses.

We collaborate with the best suppliers offering the best service. We have plastics, meshes, ropes, pots, coconut fiber, channels ...



3/ Design and assembly of irrigation systems





“

All the equipment
necessary to ensure the
highest performance of
your crops



“
Advanced and
exclusive projects
completely adapted
to your needs

Irrigation systems services

Consultancy. We guide you to choose the project which best suits your needs.

Engineering. We work and study each project thoroughly.

System mounting. We put at your disposal the best tools for an optimal result.

After sales. In order to maintain the quality of our projects, we make an after-sales follow-up that guarantees the result.

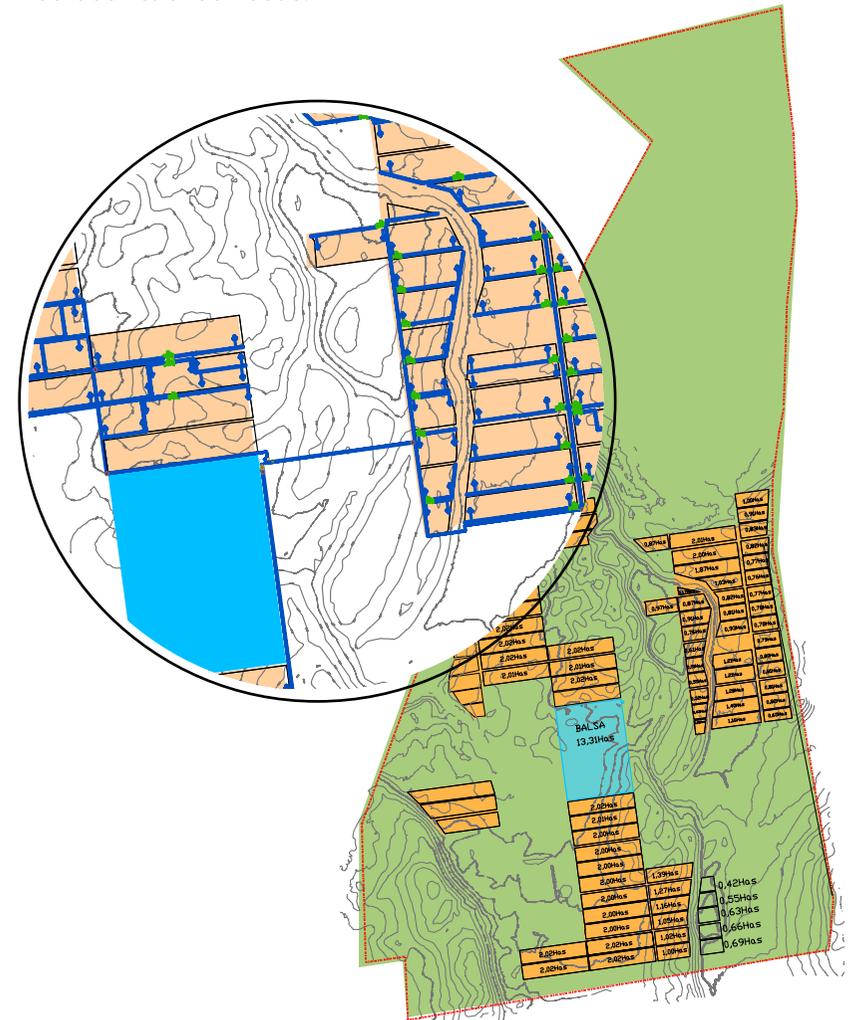




Customized projects

Every project, every client, have their own situation and needs.

We develop comprehensive projects that make a difference. We study every single case to detail to fulfil our client's needs.



“
We plan and we study every single detail of your project, to make the most of your crops

Supplies

We offer our clients the **highest quality materials**:

PUMPING:

We have **all kinds** of pumping: submersible, multicellular, dirty water, etc.

AUTOMATISMS:

Programmers for hydroponic crops and for crops in soil.
Electric panels:

- **Variable speed drives:** small in size and high performance serve to cover a wide range of applications.
- **Electronic starters:** to adapt to any type of load and possibility of integrated bypass.

FILTERING:

The use of filters in the irrigation heads, prevents clogging by impurities, which is essential to **extend the life** of the system and to reduce the number of interventions over time.

PIPELINES AND ACCESSORIES:

We carry out our installations with the **highest quality** pipes and accessories in materials such as Polyethylene, PVC and metal.

VALVES:

We can find the following **hydraulic control elements**: gate valves with elastic seat, Butterfly valves, clapper check valves, ball check valves, stone hunting filters, anti-vibration sleeves, among others.



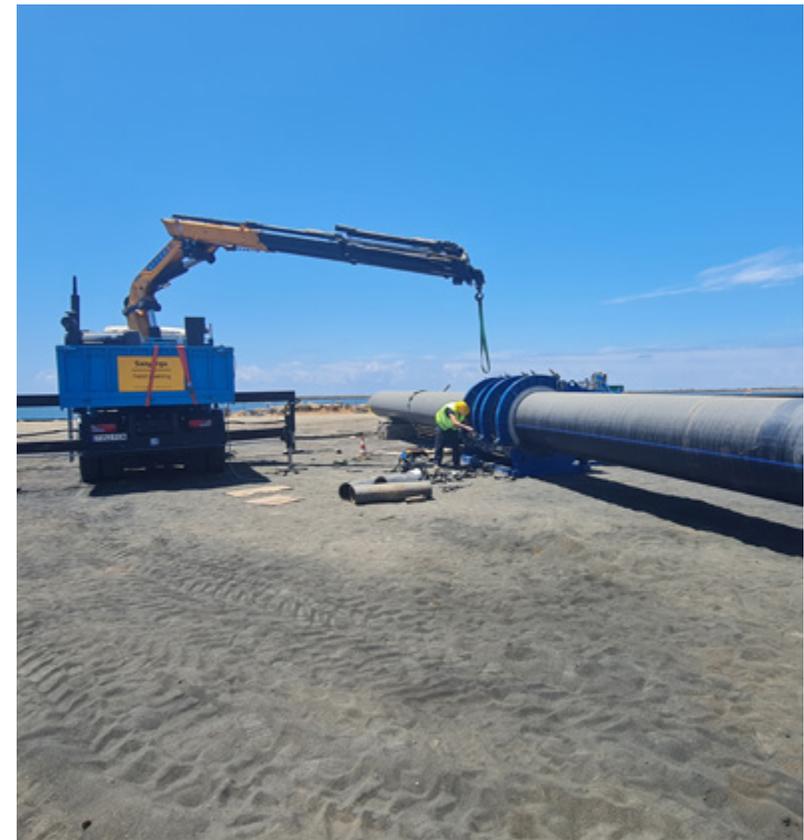


“ We have a **highly qualified team** and the **necessary means** to carry out all our installations

Drip irrigation and Sprinkler irrigation

Sprinkler irrigation is a way of irrigation whereby water reaches plants as a localized “rain”. Types: sprinkling, micro-sprinkling and nebulization.

Drip irrigation allows the optimization of water and fertilizer and they are highly recommended for the development of the plant. Types: self-compensating, turbulent, irrigation tape and punctured dropper.



4/ Water treatment





CLODOS Technology®

Chlorine dioxide

Sanitation and disinfection systems for water and the elements in contact with it, in accordance with the European Biocidas regulation, providing a solution that is safe for health, ecological and sustainable.

- **AGRI DIS®** WATER IRRIGATION

Agricultural disinfectant without residues, without safety period and without chlorine. It is the most modern and advanced agricultural **water disinfection** certified in organic farming that allows healthy plant growth.

- **TERRA DIS®**

Agricultural disinfectant that offers solutions powered by a more intense and instantaneous action. It is authorized for **environmental and contact disinfection**: surfaces, equipment, utensils, facilities, substrates, coconut fibers, rock wool and other compounds used in agriculture, pipes and agricultural irrigation systems.

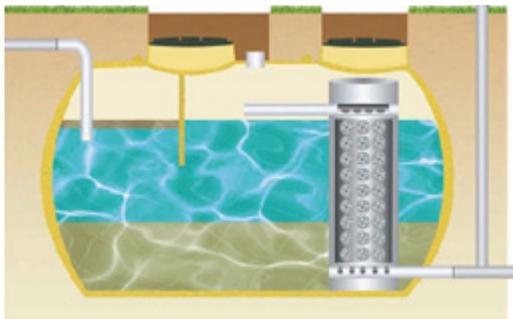
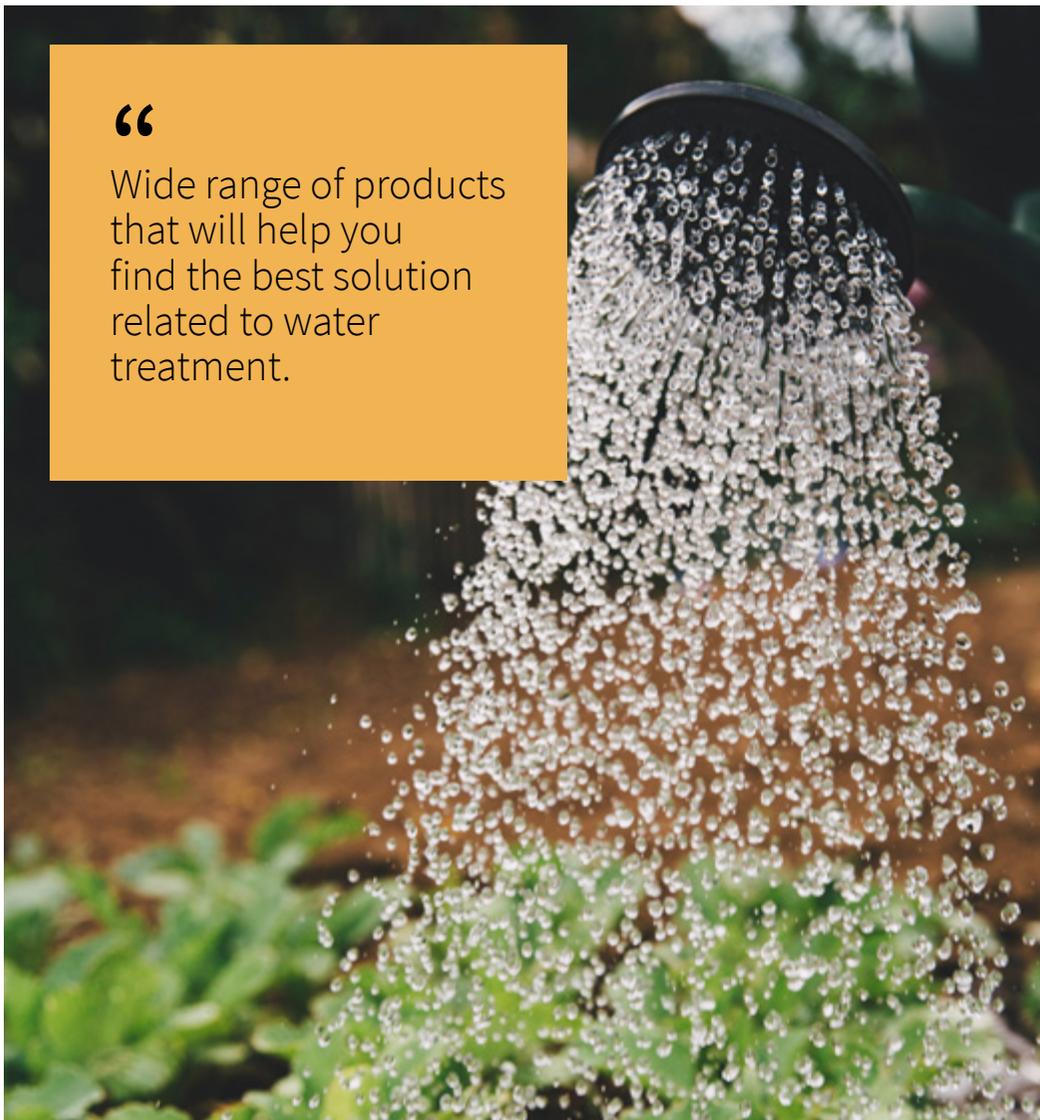
These biocides control and eliminate biofilm and biofouling, they lack safety terms, they do not generate residues, nor do they transmit odor or flavor to the products in contact, contrasted in doses of use of all kinds of harmful microorganisms.

Certified by AESAN as Post-Harvest Technological Adjuvant, extending the useful life of the products.



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Wide range of products that will help you find the best solution related to water treatment.



Industrial Osmosis

The shortage of drinking water, makes it increasingly necessary to be able to take advantage of brackish and saline waters as potable through reverse osmosis systems.

Removal toxicities and water balance

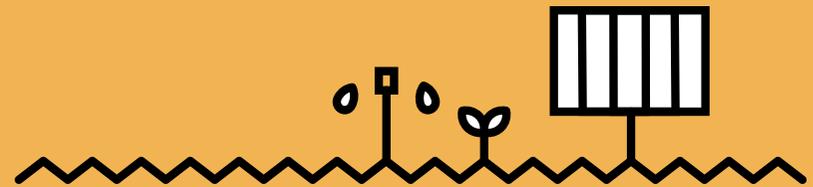
- Dechloritators
- Iron removers
- Arsenic removal
- Industrial desnitrification
- Remineralizers
- Desmineralization

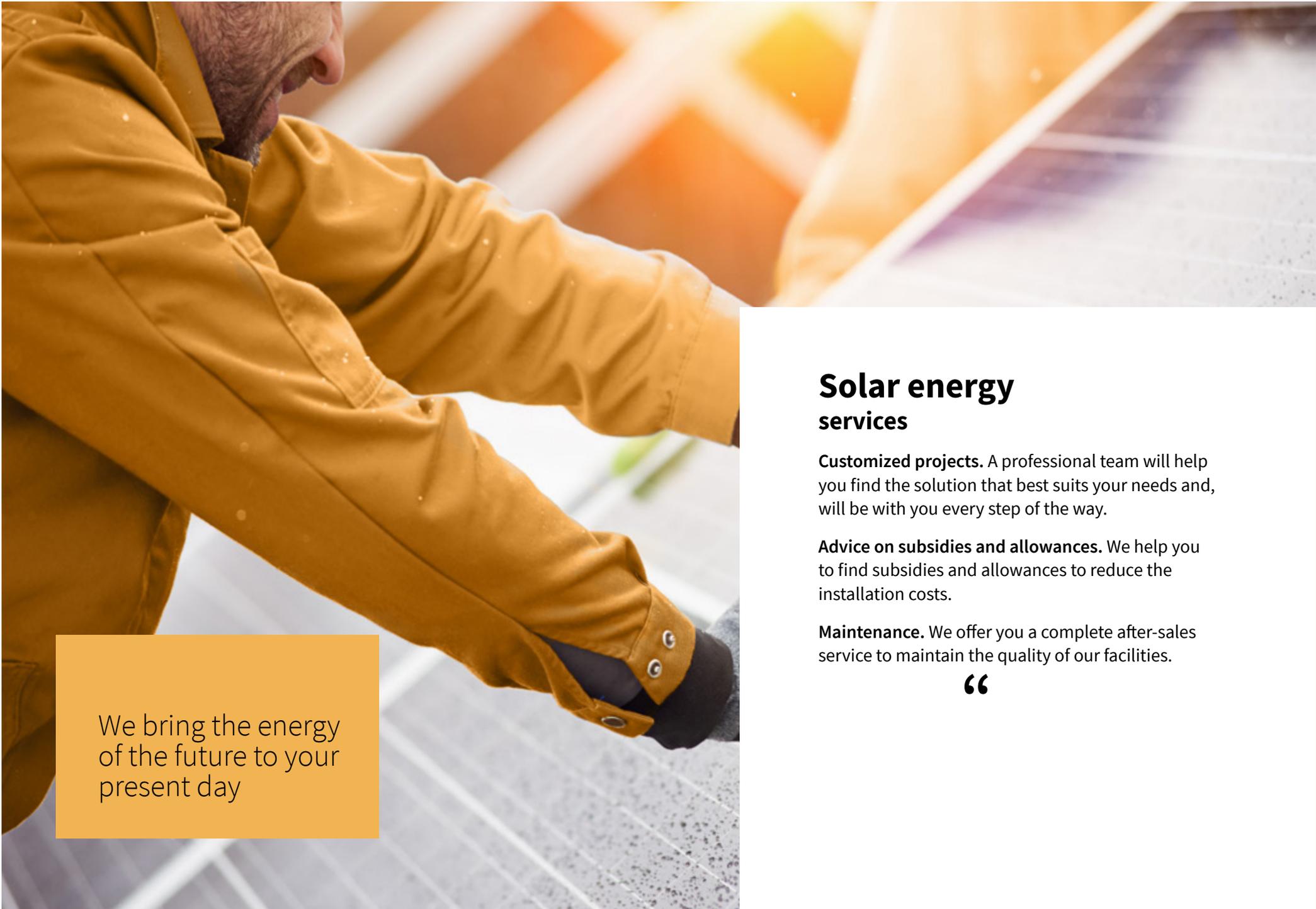
Septic tanks

This system allows the biological treatment of waste water that can be assimilated to domestic, providing a good performance in water quality at the exit of the equipment.



5/ Solar energy





We bring the energy of the future to your present day

Solar energy services

Customized projects. A professional team will help you find the solution that best suits your needs and, will be with you every step of the way.

Advice on subsidies and allowances. We help you to find subsidies and allowances to reduce the installation costs.

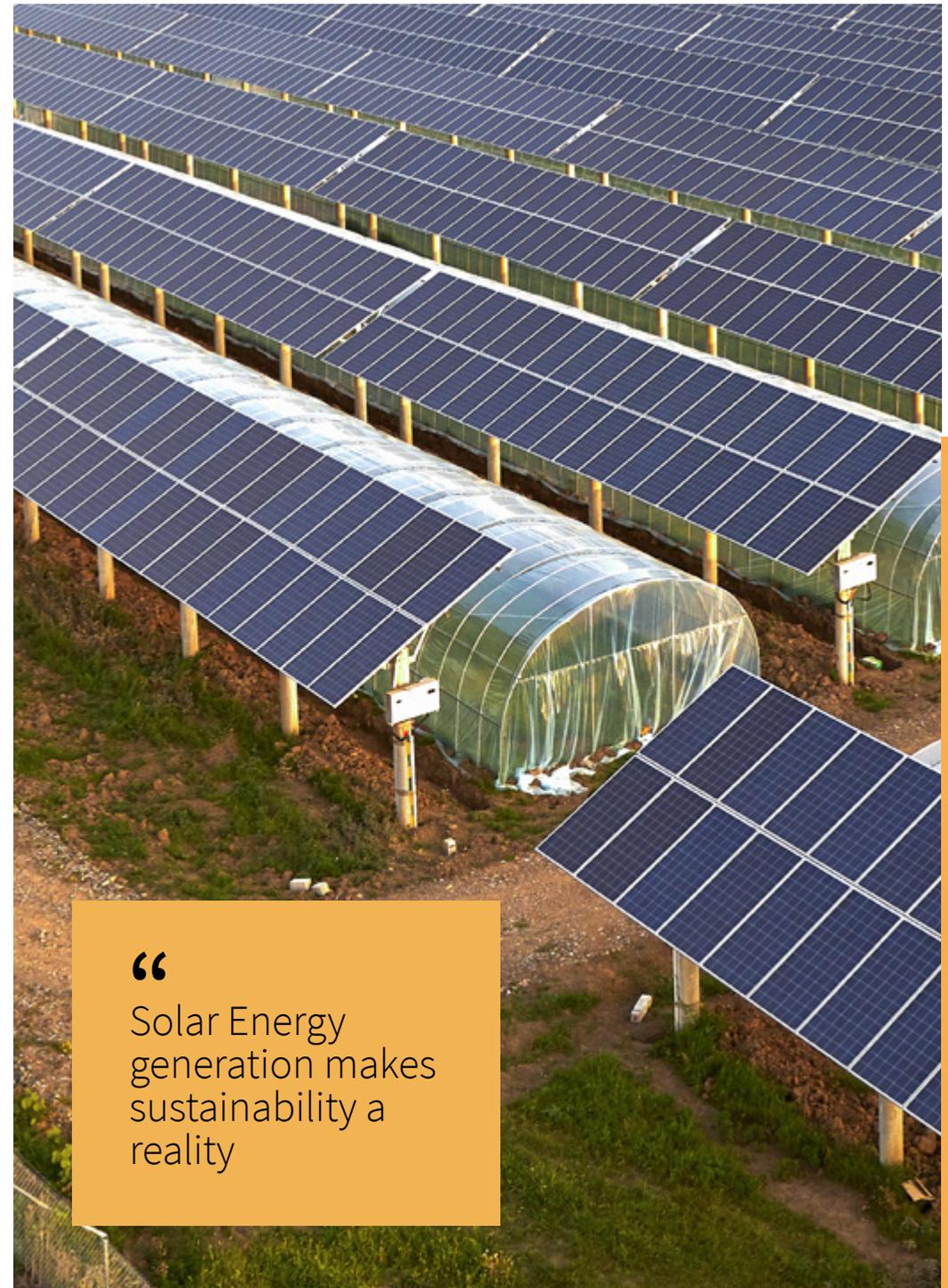
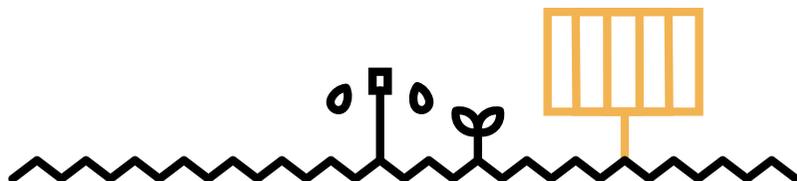
Maintenance. We offer you a complete after-sales service to maintain the quality of our facilities.

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Photovoltaic panels

Find out how to generate your own energy using a photovoltaic system and start getting results thanks to an innovative and promising technology.

Electricity is produced from solar energy, reducing pollutant gas emissions in all its processes. Sustainable electric power is already a reality.



“
Solar Energy
generation makes
sustainability a
reality

“

We find solutions for crops that are difficult to access



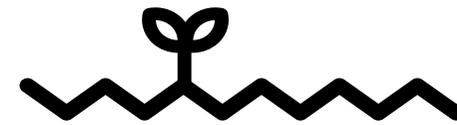
Solar powered irrigation pumping

Solar powered irrigation pumping has become the best alternative for those crops without electric power or wanting to reduce costs in the medium term.

The use of solar panels will generate enough power to start the hydraulic pump, responsible for distributing and conditioning water for irrigation.

Solar irrigation pumping makes it possible to bring a connection point to the electrical grid to farms that would require a huge investment. In addition, it would also allow to save around 50% to 100%, for lands that have a point of connection to the network.





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