



*Growing together
for an optimal
result*



YEARS OF EXPERIENCE WITH WORLDWIDE GREENHOUSE CONSTRUCTION



Introduction

Growing together for an optimal result

In this brochure we introduce you to the world of Luiten Greenhouses and Saarlucan Gewächshausbau. It's a world that's constantly changing and being shaped by developments and innovations in horticulture.

A successful team

Luiten Greenhouses started out many years ago as a horticultural specialist, developing screen systems for greenhouses and building garden centers. Saarlucan Gewächshausbau has specialised in the construction and installation of greenhouses for the German-speaking market since 2004. We are two companies that work closely together but also operate independently. By bundling our knowledge and experience, we became one of the most pioneering producers of complete greenhouse projects for the horticulture and garden centre sectors anywhere in the world.

Developments in the world

Increasing prosperity in various parts of the world has led to a greater demand for ornamental plants. And because of the growing world population the demand for food is also increasing enormously. These developments determine our course. We constantly adjust our thinking and working methods to that.

International customers

Not only growers from all over the world know where to find us; investors and consultancy firms are often our partners as well in the development of high-value horticultural projects. We supervise these projects from start to finish, working very closely with the persons involved.

30 years of knowledge and experience

Together we have successfully realised numerous high-tech greenhouses, screen installations and garden centres in Holland and abroad for over 30 years, often in cooperation with other high-profile specialists in the sector. During this period we have acquired an enormous amount of knowledge, which we have used to continually develop our products and processes.

Innovation and cooperation, combined with our practical and flexible approach to projects, remains the firm foundation for the future of Luiten Greenhouses and Saarlucan Gewächshausbau.



Welcome to the wonderful world of
Luiten Greenhouses and Saarlucan
Gewächshausbau.

Nico Luiten - C.E.O. Luiten Greenhouses

Richard Luiten - C.F.O. Luiten Greenhouses

Michel Saarloos - C.E.O Saarlucan Gewächshausbau





The world is our market

At Luiten Greenhouses and Saarlucan Gewächshausbau, our market extends to all parts of the world except Antarctica. With the knowledge and experience we have acquired over the years, we certainly could build a greenhouse there, but we just haven't yet come across an entrepreneur who wants to start up a horticultural project there. And we're not sure that it would be socially acceptable anyway!

Worldwide experience

Over the years we have become very familiar with local climate conditions, laws and regulations, and cultures all over the world. Our experiences enable us to provide custom solutions in every location. For each project we supply a greenhouse structure that can cope with the relevant weather conditions and that complies with local laws and regulations. Worldwide custom solutions.

Working with experts

Building a greenhouse is a complex affair. We know exactly how to build a customized greenhouse, wherever it may be in the world. And we have high-quality specialists in our network for matters that are not our core business. This can relate to topics such as financing and subsidies. For crop advice, we link our customers to leading horticultural advisers with worldwide experience, so that the continuity of every project can be guaranteed.

Installation on site

Our builders are pure experts and are used to travelling all over the globe. They give every project – no matter where it is in the world – their full attention so as to ensure your complete satisfaction. That's something they are proud of. And they don't do it alone. They are supported by our team of international planners and technicians at our headquarters as well as by the specialist companies we work closely with. Projects are often carried out using a local workforce, but we are always in control.





Production greenhouses

suitable for every country

Luiten Greenhouses and Saarlucan Gewächshausbau build modern production greenhouses for horticultural companies all over the world. We understand what a grower wants, we have the expertise and knowledge to make a greenhouse to order, and we ensure that every project is completed in full compliance with the specifications. That's why we have both been leaders in our field for over more than 30 years.

Greenhouses to order

Although the well-known Venlo greenhouse is the most widely used, our range also includes a wide-span greenhouse and a cabrio greenhouse. Each greenhouse can be supplied as a turnkey project. When we discuss the project with you, we explain the advantages and disadvantages of each greenhouse type, taking your specific situation into account. This way you are sure of the right choice.

Cabrio greenhouse:

- Bay widths of up to 4.8 m.
- Standard spans ranging from 6.4, 8.0, 9.6, 12.8 to 24 m.
- Two bay halves that can open and close independently of each other.
- Optional: a cabrio bay with the option for ventilation from below, allowing you to keep your cabrio greenhouse roof open even in the rain.

Venlo greenhouse:

- Bay widths of 3.2, 4, 4.27 and 4.8 m.
- Standard spans ranging from 6.4, 8.0, 9.6, 12.0, 12.8 to 20 m.
- Standard ventilation systems covering up to 45% of the floor area.

Wide-span greenhouse:

- Bays of any width you desire.
- Standard ventilation systems covering up to 50% of the floor area.
- Double ventilation systems throughout the greenhouse.





Turnkey projects

that generate economic returns

Turnkey projects by Luiten Greenhouses and Saarlucan Gewächshausbau come with everything you need: all the installations, growing systems and crop expertise. We think of everything: we even supply the tools your workers need for looking after and harvesting the crop. You can start growing straight away.

We have the technical and organisational skills to build a custom greenhouse project anywhere, but knowledge of the crop and its potential market are what determines whether a greenhouse project is feasible and profitable.

Avoiding financial risks

Following an initial review, we can offer you a feasibility study which we commission from an external specialist partner and which clearly sets out the return you can expect from the planned project. Everything is taken into account: production timetables, prospects for sales, fixed and variable costs, investments and project-related details. With the results of the study in hand, you can then make the right decision. Sometimes it may make more sense not to go ahead with a project at all. If this is the case, we'll tell you.

Crop knowledge is vital

The advanced horticultural techniques of Luiten Greenhouses and Saarlucan Gewächshausbau are best suited if they are applied in a professional manner. Therefore, knowledge of the crop cultivation is the key to the success of a nursery. Knowledge that can be obtained from our partners, who are fully committed to the transfer of cultivation knowledge and its maintenance. This way you'll always be the first to hear about the latest developments, specially aimed at your crop.

A good start

It makes no difference to us whether you want to grow vegetables or ornamentals. Our experts are familiar with all markets, and if specific knowledge is required, we put you in touch with our network of specialists. We ensure that you already have a head start at the start of your cultivation.





Garden centres

and commercial greenhouses with charisma

In the horticultural sector, we are best known for our international turnkey greenhouse projects and screen installations. In the retail world, our garden centres and commercial greenhouses are a phenomenon. That's not just because we are good at building greenhouses, but it is also because we know how to integrate greenhouse installation. For over 30 years.

Designed for retail

We use standard greenhouse structures as the basis for our garden centres and retail greenhouses, but the design details of these structures are very different from our traditional greenhouses. The main difference lies in the reinforcement of the base structure and the special wall and roof finish. Also our installations, such as screening and heating, are adjusted to the specifications that a public sales area requires.

Different greenhouses

The type of greenhouse depends on the location, the desired appearance and the way in which the building will be used. Together we go through all your wishes in detail, so that you are sure of the right choice.

Roofing extensions and canopies with appearance

Because of our long-standing experience with retail projects, we often receive requests to cover over open spaces with a steel structure. We have done this for many garden centres, atria, retail premises and retail greenhouses, creating an attractive retail space that's pleasant to work in and nice to visit.


Service and maintenance

Our team of experts is always ready, should a malfunction occur unexpectedly or if maintenance must be carried out.






Special medicinal cannabis **Greenhouses**




Just as the demand for food and ornamental plants is growing throughout the world, so is the demand for legal medicinal cannabis. We have extensive experience in the design and construction of fully integrated production greenhouses specifically for the cultivation of medicinal cannabis.

Based on horticultural expertise



Because we have decades of horticultural experience and work closely with scientists, plant physiologists, researchers and commercial growers, we are able to give you expert support in creating the optimum production facility for your medicinal cannabis.

Custom solution for cannabis growing



We have produced guidelines for the development and construction of complete cannabis nurseries. Based on these, we help you decide what would be the best greenhouse for you and your crop. So you can be sure your greenhouse will deliver an optimal result, both technically and financially.

Elements that are part of a production greenhouse for cannabis:

- screening
- heating
- climate
- automation
- LED lighting
- irrigation
- fertilisation
- CO₂
- hydrological growing systems and growing benches
- logistics





The specialist

Luiten Greenhouses and Saarlucan
Gewächshausbau started building nurseries for
legal medicinal cannabis at a very early stage.
As a result, we have become one of the leading
builders of cannabis nurseries in the world.
But only in countries where growing cannabis
is permitted by law. Our knowledge and
experience are your guarantee of maximum
production and optimum quality.





Screen installations

for the perfect climate

Luiten Greenhouses and Saarlucan Gewächshausbau also specialises in screen installations, as an integrated part of any greenhouse, both at home and abroad, whether it's one of ours or a greenhouse provided by another supplier. Due to our expertise and experience, we are able to offer everyone a suitable screen solution.

The optimum greenhouse climate

The precision with which our screen systems are fitted and the choice of the right fabric together, play a key role in producing the optimum growing environment for your crop. By combining your crop expertise and our knowledge of greenhouses and installations, you can be sure you'll have the best possible climate.

Efficient maintenance

Our screen systems are practically maintenance-free, but in some cases we do recommend periodic maintenance so that the system continues to work as well as possible. We discuss a maintenance programme with you and do the work for you. You don't need to give it any further thought.

Renovations that save you money

We renovate any screen installation, even if we didn't supply it. But first we look at whether the costs are proportionate to the return, and whether the result will provide a better climate. If renovation of an installation looks like an option, we call in our expert team to ensure that you can once again get the best out of your screen installation.





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Various installations

- 1 Horizontal screen installations
- 2 Black-out and light reduction screens
- 3 Roll screens and roof-roll screens
- 4 Twin walls
- 5 Outside shading installations
- 6 Ridge-gutter partitions





Heating installations

sustainable and efficient

Even heat distribution and minimal energy consumption are the principles for all heating installations of Luiten Greenhouses and Saarlucan. Each installation forms an integrated part of the greenhouse and all other greenhouse installations, so that the system functions optimally and saves as much as possible.

Care for the environment

We are aware that the use of fossil fuels is changing our society. When developing our installations, we ensure that the use of raw materials is kept to a minimum and we look into alternative energy sources. We believe that is our responsibility.

Alternative energy sources

In some countries, geothermal systems are already being used, using heat (and cold) that is already present in the soil of our earth. Also, we are increasingly installing solar panels on greenhouse roofs, fully covering or in parts. The generated power can be used immediately. Not only sustainable, but also a substantial saving on energy costs. Luiten Greenhouses and Saarlucan recommends the right energy source, based on economic feasibility and a maximum return.

Insulation

To save energy, we insulate the boilers and pipes in the boiler house, but we can also insulate hot and cold tanks and other horticultural installations. On request in any color you wish. Everything is possible at Luiten Greenhouses and Saarlucan.

Maximum return

Regardless of which system or energy source is chosen, the starting point is always an optimal growth environment for a maximum return. We can offer that based on our many years of experience and in-depth knowledge of greenhouse horticulture.





Technical installations

that connect seamlessly with each other

Luiten Greenhouses and Saarlucan Gewächshausbau build turnkey projects with screen installations developed in-house, along with additional installations from high-profile horticultural specialists. With our knowledge and experience, we're also able to integrate any installation seamlessly into our greenhouse with optimal results.

Climate and water technology

The right climate is vital for the quality and continuity of a crop. You tell us your needs and we advise you which climate installation will be best for you. We look for sustainable solutions to reduce energy costs and protect the environment.

For a suitable watering system, our specialists calculate exactly the amount of water you can save and how fertilizer can be processed efficiently. You decide what the system will ultimately look like, based on your cultivation knowledge.

All installations are controlled by a climate computer, which realizes and maintains an optimal climate, based on the variables you put in.

Internal transport

Routing products through the nursery is one of the main functions that plays a decisive role in any greenhouse project. Based on our many years of expertise and experience, we translate your logistical requirements into a smoothly running transport system that meets your operational needs.

Additional installations

Besides the conventional systems and installations, you'll often need additional installations for aspects such as safety and hygiene. We ensure everything is perfectly integrated, even if the installations are supplied by third parties.

However, we only work with suppliers of technical installations who, like us, are constantly innovating and are able to respond to market demands. This is how we strengthen each other, day in and day out.





After-care and renovation

for all your projects

We have a permanent team of skilled engineers who carry out servicing and maintenance work for our customers at home and abroad. Because our engineers are involved in each project right from the start, they know exactly how your greenhouses and installations fit together. Handy, because at Luiten Greenhouses and Saarlucon Gewächshausbau, no single project is the same.

Service and maintenance

Our service team is always at your disposal. You can contact us seven days a week for technical malfunctions of your installations and calamities. The same team is also ready for you if you need maintenance on the greenhouse or installations. These experts have an enormous knowledge of horticultural technology in the broadest sense of the word.

Renovations

We renovate greenhouses, garden centres and screen installations, even if they are not supplied by us. The reasons for carrying out minor or major renovations vary considerably. In garden centres, renovations are often carried out to improve appearance and make the interior climate more comfortable for the visitor. For production greenhouses it is usually for economic reasons (energy saving) and improvement of the cultivation climate, resulting in a higher yield. We calculate without obligation for you whether a renovation is economically feasible, without further obligations.







A team *that's forging ahead*

We succeed because our team is made up of skilled and enthusiastic people who are passionate about horticulture and have in many cases been with us for years. Their shared knowledge, experience and mindset form the basis for the successful completion of every project. In addition, we only use external specialists who meet our standards and are just as driven as we are.

Various disciplines under one roof

We have all the core services needed to complete a greenhouse project or screen installation in-house: R&D, design, calculation, project development, production, warehousing and servicing. We also work with other specialists, but our greenhouses and screen installations are always developed entirely on the basis of our own quality standards.

Every member of our team has its own specific expertise and clearly defined role, but together we support each other wherever possible and make every project a success.

Knowledge as the basis for progress

Practical experience is always our best teacher, both nationally and internationally, but we are just as committed to developing our employees' theoretical knowledge. New colleagues are usually highly skilled and learn the ins and outs of the business from us in-house. We encourage existing staff to undergo regular training and attend courses so that they stay up to date with the latest developments in all areas. You can never have enough knowledge: there's always more to learn.

Positive, flexible attitude

Besides being experts in their field, our staff also have a positive and flexible attitude to their work. That's vital as we operate all over the world and are frequently faced with challenges. No matter how well we organize and organize each project, you can never exclude everything. But we are always well prepared, and our people can solve almost any problem. **They're the best!**





Our specialist companies

Growing together for an optimal result

Sometimes we bundle our specialist knowledge with other parties. As a result, we have set up various firms over the years that specialise in one particular product or service, ensuring that we can rely on loyal, expert partners that form part of our own organisation.



Bodako

Utility construction

Bodako specialises in constructing and renovating industrial buildings. We work with this company to integrate industrial buildings into our horticulture projects. www.bodako.com



HBS Design

Specialists in horticultural systems

HBS Designs designs and builds garden centres and production greenhouses in the UK and New Zealand. We support these experts with our knowledge and make use of their experience in these fields. www.hbsdesigns.co.uk



Rimini

Machinery and platform rental

For our construction teams we use the most advanced construction machinery developed in-house by Rimini. We only work with reliable machines, that guarantee the safety of our employees. www.riminiverhuur.nl



CannaTechnics

Leading builder in cannabis greenhouses

CannaTechnics puts horticultural expertise at your disposal. With over more than 30 years of experience in greenhouse construction and screening, we are the perfect partner for the cultivation of your medicinal cannabis. www.cannatechnics.com



Projects

all over the world



Marjoland



Hagdorn





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