

GAKON™  **NETAFIM™**
GREENHOUSE PROJECTS

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Precision
Agriculture



**FROM START TO SUCCESS
WE'VE GOT YOU COVERED**

GAKON™ NETAFIM™

GREENHOUSE PROJECTS

As a recognized leader in Controlled Environment Agriculture (CEA), Gakon Netafim's mission is to help the world grow fresh and healthy produce almost anywhere on the planet. Gakon Netafim offers customers cutting-edge greenhouse system innovation and data-driven methodologies, as well as decades of agronomic expertise, and unmatched global and local presence. Growers and investors choose us to deliver sustainable and profitable greenhouse projects, with total peace of mind from initial design to execution and operation. We are always at your side!



Contact us

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SUSTAINABILITY COMMITMENT

At Gakon Netafim, we're dedicated to supporting local food production and increased fresh produce yields using less resources – essential to a sustainable and equitable food secure future.

QUALITY YOU CAN TRUST

Gakon Netafim greenhouses are designed and constructed according to international verifiable quality standards such as HortiQ and ISO 9001:2008 certifications. We are also an active member of AVAG (Dutch Greenhouse Constructors Association).



Superior structures for all climates

/ DIVERSE PORTFOLIO

From advanced glasshouses, to versatile polyhouses and resilient net houses, Gakon Netafim's comprehensive greenhouse offering gives you the flexibility to grow a wide variety of crops in all types of climatic conditions.



From concept to execution

/ COMPREHENSIVE PROJECTS

From feasibility assessment, through planning and execution, to operations and maintenance, Gakon Netafim is involved at every stage of the project life cycle providing a one-stop solution!



Expert financing solutions

/ FINANCE YOUR PROJECT

Gakon Netafim can support you in all aspects of project financing, from building a financial plan to cooperation with financial institutions.



State-of-the-art systems

/ IN-HOUSE BUILD EXPERTISE

Gakon Netafim offers complete in-house manufacturing and installation of all greenhouse structure components, combined with cutting-edge systems for all applications.



Your professional partner of choice

/ PROFESSIONAL EXPERTISE

Gakon Netafim's world-leading greenhouse expertise and hands-on professionalism is key to helping growers and investors achieve higher yields and excellent ROI, using fewer resources.



Global span, local presence

/ FOR BIG INVESTMENTS, SIZE MATTERS

Serving customers in over 110 countries, Gakon Netafim leverages best global practices, while offering unmatched local service and support at your site.



Proven success

/ YIELDING SUCCESS WORLDWIDE

Gakon Netafim has experience delivering reliable, high-quality results across a wide spectrum of crops, geographies, climates, terrains and topographies.



Superior structures for all climates

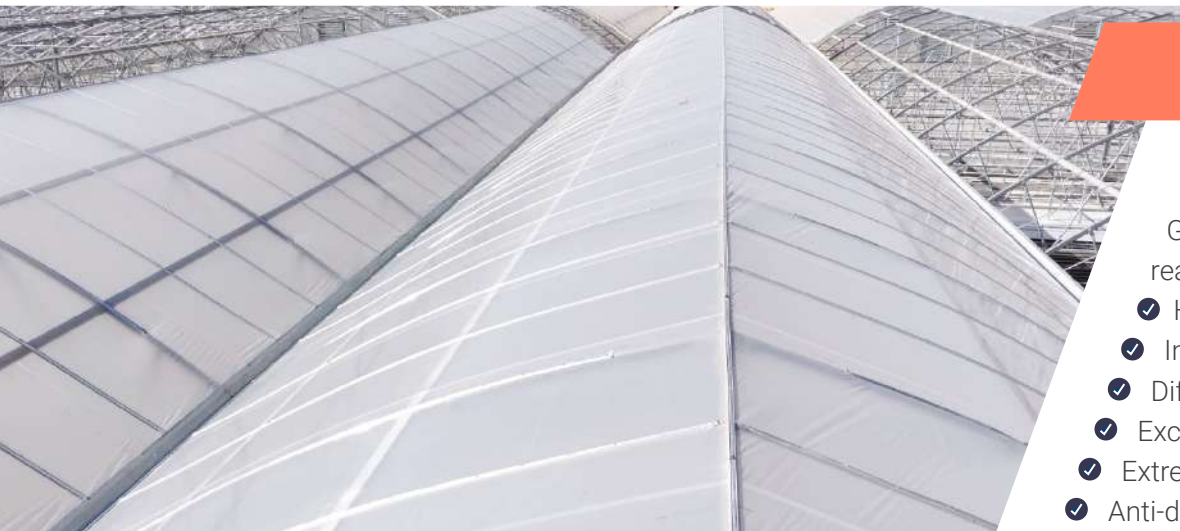
Committed to meeting the needs of all growers and investors, Gakon Netafim is the only company offering a full range of high-quality greenhouse structures - from glasshouses, ETFE greenhouses to polyhouses and net houses.



Glasshouses

Suitable for commercial production of vegetables, fruits and flowers as well as nurseries in mild to cold climates, Gakon Netafim's custom-made, high-end glasshouses incorporate the most advanced materials and automation technologies to ensure reliable, high-quality results.

- ✓ Reliable greenhouse design with independent software CASTA
- ✓ Inhouse production and logistics facility
- ✓ Designed for high loads and optimum production
- ✓ Range of natural ventilation options
- ✓ Superior light transmission
- ✓ Low-maintenance, long-lasting structures



ETFE greenhouses

Suitable for the cultivation and the commercial production of various crops such as fruits and vegetables as well as flowers.

Gakon Netafim's ETFE greenhouses ensure maximum light transmission to reach best-in-class produce.

- ✓ Higher light transmittance than glass
- ✓ Improves crop quality by UV light transmission
- ✓ Diffused light
- ✓ Excellent durability due to minimal effect of ageing
- ✓ Extremely high tensile strength
- ✓ Anti-dripping and self-cleaning properties
- ✓ Suitable for high seismic activities areas



Poly houses

Suitable for nursery cultivation and the commercial production of vegetables and flowers across diverse climatic conditions, Gakon Netafim's innovative polyethylene (PE) greenhouses are designed according to the highest standards to ensure long-term quality performance.

- ✓ Inhouse engineering using "RAM Element" software and 3D "SOLIDWORKS®"
- ✓ Comprehensive portfolio of structures for diverse climatic conditions
- ✓ Tough and durable materials
- ✓ Designed to withstand high wind and crop loads
- ✓ Allows for fast and straight forward implementation



Net houses

Suitable for the cultivation of various crops - including vegetables, orchards and tree crop nurseries in moderate climatic conditions, Netafim's cost-effective net houses offer great value and returns.

- ✓ Increases production efficiency and quality to promote food security
- ✓ Water and pesticide efficient
- ✓ Affordable coverage large areas



From concept to execution

Delivering profitable and sustainable greenhouse projects requires orchestrating specialized agronomic expertise, advanced engineering capabilities, and smooth, seamless collaboration. This is exactly what we bring to every single project, delivering successful results at every stage. Gakon Netafim is specialized in delivering greenhouse projects customized to your specific goals – taking ownership from feasibility assessment, through planning and execution, to operations and maintenance.

- ✓ Tailor-made, end-to-end turnkey greenhouse project
- ✓ After-sales support
- ✓ Operation and maintenance services
- ✓ Annual services plan
- ✓ Technical guidance
- ✓ Project manager always on site
- ✓ Management and training services – technical and agronomy
- ✓ Flexible payment models to improve ROI





Your professional partner of choice

One of our unique strengths at Gakon Netafim is the high level of expertise we have in-house, from agronomists to hydraulic experts to construction and heating engineers. Having everyone as part of the same organization allows for better planning and a guarantee of professionalism.

- ✓ Best-in class in-house experts
- ✓ Greenhouse structure engineers
- ✓ Heating engineers
- ✓ Screening engineers
- ✓ Hydraulic and water system engineers
- ✓ Project managers
- ✓ Agronomists
- ✓ Technical supervisors





Global span, local presence



For a major investment like a commercial greenhouse project, it makes sense to have a major player by your side. We are the world's biggest irrigation company and a leader in commercial greenhouse projects, with over 70 years of experience, a presence in over 110 countries, and a strong financial backbone. You can always rely on having our team at your site.



Expert financing solutions

Barriers may inevitably arise when you expand your business and are searching for financial support. Gakon Netafim cooperates with the largest and most well-known financial institutions in the world and has many years experience in financing horticultural projects worldwide. We can provide support on all aspects of cooperation with financial institutions, and have the knowledge and experience to help you navigate the often complex decisions involved in putting together a financial plan and implementing financial solutions.

Gakon Netafim can provide you with:

- ✓ Flexible payment models to improve ROI
- ✓ Feasibility study
- ✓ Business plan
- ✓ Financial advice
- ✓ Support obtaining subsidy



State-of-the-art systems

Gakon Netafim offers complete in-house manufacturing and installation of all greenhouse structure components, combined with cutting-edge systems for all applications.



Water Systems, Fertigation & Smart Irrigation

As the global leader in smart irrigation for sustainable agriculture, Gakon Netafim offers unmatched irrigation, automation and fertigation systems complemented by a host of advanced solutions to boost yields using fewer resources. Since pioneering drip irrigation in 1965, Netafim has been the global precision irrigation leader, offering precise, reliable and flexible systems that deliver water and nutrients according to the plant's specific needs.

- ✓ Water treatment
- ✓ Water storage tanks
- ✓ Nutrigation systems
- ✓ Drip irrigation such as Netafim trademark PCJ-CNL drippers, NetBow™
- ✓ Ebb & Flow systems
- ✓ Netafim CoolNet™ - Low pressure fog systems
- ✓ High pressure fog systems
- ✓ Irrigation drain water recycling systems
- ✓ Disinfection systems



Growing Systems

Gakon Netafim offers a full complement of reliable growing systems to ensure the best fit between the crop and the growing technology.

- ✓ Hanging / elevating gutters
- ✓ Growing tables / container systems
- ✓ NFT (Nutrient Film Technique)
- ✓ DWC (Deep Water Culture)
- ✓ Soil cultivation



Screen Systems – Directly Integrated

Screen systems are essential for saving energy, shading, and achieving sufficient light intake for your greenhouse for an optimal growing climate. At Gakon Netafim, we directly integrate the highest quality screen systems in the design phase of your greenhouse. This ensures an optimal assembly that results in greater control and better yields.

- ✓ Energy saving
- ✓ Shading
- ✓ Black out
- ✓ Vertical rolling screens
- ✓ Outside screens
- ✓ Insect netting



Climate Systems

Gakon Netafim offers a full complement of reliable climate systems, enabling optimization of ambient environments for all greenhouses regardless of external conditions.

Cooling Systems:

- ✓ Evaporating cooling systems
- ✓ Screening systems
- ✓ Natural and forced ventilation
- ✓ Air circulation fans
- ✓ Sulphur evaporators

Heating systems

- ✓ Boiler, burner and condensers
- ✓ CO2 enrichment system
- ✓ Heat storage tank
- ✓ Heating group (pipe rail, grow pipe, overhead)
- ✓ Geothermic water
- ✓ Air heating systems



Automation Systems

Gakon Netafim's advanced automated systems efficiently control climate, water and energy outputs, ensuring reliable and accurate management of all resources, optimum yields and cost reduction.

- ✓ Varied systems suitable for all applications
- ✓ User-friendly and robust solutions
- ✓ Round-the-clock, worldwide support



Lighting Systems

Rather than simply providing you with state-of-the-art hardware, Gakon Netafim's goal is to ramp up your business results. Our customized grow light solutions create the optimal balance of light intensity, energy consumption and crop growth, resulting in the highest possible yield per m². Your requirements and wishes are our starting point. Since every situation is unique, Gakon Netafim tailors the best possible grow light solution for you.

Our grow light solutions cover various applications:

- ✓ Vegetables
- ✓ Cut flowers
- ✓ Potted plants
- ✓ City farming/Urban farming
- ✓ Research/Seed breeding/Propagation



Proven success

Gakon Netafim has designed and delivered hundreds of end-to-end commercial greenhouse projects all over the world. These are held up as some of the most cutting-edge and complex commercial greenhouse projects in the business.



5HA CANADIAN PROJECT

"We have developed exceptional working relationships with the entire team at Gakon, all departments of the organization have been incredible to work with, and we are extremely pleased with the level of professionalism and knowledge that they possess."

Vermillion, Canada



11H COMBINED GLASSHOUSE PROJECT

"We produce organic tomatoes, cucumbers and peppers in a sustainable greenhouse with existing geothermal energy for heating and a photovoltaic system on the roof. We chose Gakon Netafim to realize this unique greenhouse project."

Biohof Geinberg, Austria



30HA TURNKEY POLY HOUSE PROJECT

"As a newcomer to the agricultural industry, it was important for us to choose a supplier that could offer extensive agronomic support and give us peace of mind for such a large project."

Vingroup, Vietnam



6HA TURNKEY POLY HOUSE PROJECT

"We were very impressed by Netafim's agronomic expertise and round-the-clock support provided by its local staff. Thanks to the company's concerted efforts, we were able to achieve a very fast return on investment."

Agro Vest IMP LLC, Azerbaijan



6HA TURNKEY POLY HOUSE PROJECT

"Providing us with a heating system based on a coal energy source, Netafim showed superior technical and agronomic proficiency, enabling us to grow peppers throughout the year to ensure a quick return on investment."

Emseni, South Africa



22HA COMBINED GLASSHOUSE PROJECT

"We expect high quality from our suppliers, and our innovative way of energy generation makes us a good fit for Gakon Netafim. We believe this to be the future of agriculture: closing the circle, reusing the resources."

Katunga Fresh Produce, Australia

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