

BOAL

GROUP



HOW TO MEET THE NEED OF A GROWING POPULATION

The world is facing a critical challenge today, where the demand for food is rapidly outpacing our ability to meet it. Over the next 40 years, the demand for food is projected to exceed what has been consumed in the past 8000 years, and within the next 20 years alone, there will be an unprecedented 50% increase in global food demand.

It is our purpose to partner with builders and growers worldwide by engineering and manufacturing advanced systems and solutions for high-tech Controlled Environment Agriculture. Together we enable growers to flourish and to sustainably feed the growing population with fewer resources.

As a company, we are committed to finding innovative solutions to address this challenge and partnering with stakeholders across the globe to create a brighter future for everyone.

BOAL
GROUP

www.boalgroup.com

WHEN LESS



IS MORE



**SUSTAINABLE.
PRESERVING.
RESOURCES.**

SUSTAINABILITY

WHY

Climate change is one of the most pressing challenges facing our world today. Its impacts are far-reaching, affecting both our environment and society, and exacerbating global sociodemographic imbalances.

HOW

To address this challenge, we have made a deliberate choice to integrate a long-term ESG sustainability strategy at the core of our business. Our aim is to optimize our environmental footprint and ensure BOAL is well-equipped for the future.

TOGETHER

We are committed to collaborating with our suppliers and customers on this mission. By working together, we can make a meaningful impact and drive positive change for a sustainable future.



**SUSTAINABLE.
HEALTHY. SAFE.**

www.boalgroup.com/sustainability



ALUMINIUM EXTRUSION

The BOAL Group has a unique position in the value chain with its in-house aluminum extrusion facilities in the Netherlands and the United Kingdom. Aluminum is 100% recyclable and a proven key differentiator, particularly in the current base material shortage environment.

BOAL Extrusion specializes in designing, extruding and surface finishing aluminum profiles for high-tech greenhouses, but also, for example, for the solar industry. BOAL Extrusion is a leading partner for customers across the world, with over five decades of expertise. Detailed knowledge of the industry value chain provides customers with supply stability and flexibility in planning.

Minimizing energy consumption and the reuse of resources are vital to the organization's and its customers' ESG ambitions. Scrap material from subsidiaries is recycled and reused, thereby minimizing CO2 emissions and energy use.



www.boalextrusion.com

**SUSTAINABLE.
SKILLED.
INNOVATIVE.**



ROOF SYSTEMS

BOAL Systems provides a comprehensive range of aluminum roof and sidewall systems for high-tech glass or poly greenhouse constructions.

BOAL has completed over 8,000 hectares of new greenhouses worldwide, constructed by various local and global greenhouse builders.

BOAL Systems can tailor its modular systems, which may include fully integrated solutions such as solar panels, climate screens, insect netting, insulation and ventilation systems, to specific project requirements where size, complexity, or regional challenges are concerned.

BOAL Systems is at the forefront of high-tech covered cultivation, with a strong focus on partnership, engineering and R&D, offering superior technical capabilities and enhanced light transmittance, which will provide growers with optimal yield through minimal resources.



www.boalsystems.com

**SUSTAINABLE.
FUTURE. PROOF.**



VENTILATION - SCREENING - PARTS

Alumat Zeeman is a renowned supplier to the global horticulture industry, with over nine decades of expertise and flexible in-house industrial processing abilities.

Alumat Zeeman is a trusted partner in the design and production of a wide range of greenhouse parts for vent opening systems, drive systems and solutions for screen systems, as well as a preferred supplier of greenhouse spare parts.

Specialized in the industrial processing of wire, metal and tubes for greenhouse solutions, Alumat Zeeman is able to tailor to custom greenhouse building project requirements right across the world.



www.alumatzeeman.com



**SUSTAINABLE.
SKILLED.
TRUSTED.**



GREENHOUSE SCREENS

Sun protection, energy saving, assimilation and darkening. Climate screen systems by Holland Screens are essential for the sustainable production of healthy crops.

Holland Screens is a leading international project partner for turnkey greenhouse screen systems. Holland Screens' systems - single, double, or triple, depending on the specific crop or local requirements - enable growers to optimize the greenhouse climate and be energy efficient under all circumstances. Its advanced screen systems offer flexibility in terms of deployment and are easy to use.

Screens by Holland Screens seamlessly fit in with BOAL Systems' range of aluminum roof and sidewall systems for high-tech glass or polyhouse constructions.



www.hollandscreens.com

SUSTAINABLE. ENERGY. SAVING.



INSECT NETTING

Holland Netting is a pioneer and leading provider of insect netting systems or Integrated Pest Management (IPM) systems for covered cultivation worldwide. Insect netting plays a crucial role in sustainable crop protection.

It has proven to be an effective measure to keep harmful insects out, or to retain useful insects inside of the greenhouse. Installing netting in roof vents means the chance of an insect infestation is reduced.

Holland Netting enables growers worldwide to reduce or stop the use of pesticides, resulting in a cleaner crop, increased biodiversity and safe food grown locally.

Insect netting by Holland Netting seamlessly fit in with BOAL Systems' range of aluminum roof and sidewall systems for high-tech glass or foil greenhouse constructions.



www.hollandnetting.com



**SUSTAINABLE.
CROP. PROTECTION.**



INSULATION SOLUTIONS

High quality insulation systems form a vital part of high-tech greenhouses' energy saving strategy.

Adding insulation to side wall, end wall and roof constructions which do not require sunlight will result in significant energy savings. Production and service areas constructed with insulation panels will create safe workplaces and will keep the yield quality stable and secure, thereby limiting food wastage.

WNL is the leading supplier of insulation systems to global greenhouse builders, with advanced panel joints and integrated systems developed with BOAL Systems such as BOAL S-House.



www.wnl-horti-insulation.com



**SUSTAINABLE.
SMART.
INSULATION.**



ABOUT BOAL GROUP

MAJORITY SHAREHOLDER

Equistone Partners Europe (EPE)

TURNOVER

EUR 225 million+ (2021)

EXPORT SHARE

90%

BOAL Corporate Video



Collaboration between
Tomates Lis, Rufepa
and BOAL Group



Long time customer
ANSU Orchids



BOAL
GROUP

ALL ROUND SOLUTION PROVIDER

Roof & sidewall systems

Strong aluminium structure for maximum light.

Climate screens

Energy efficient screening. Protects crop from burning and discoloration.

Ventilation

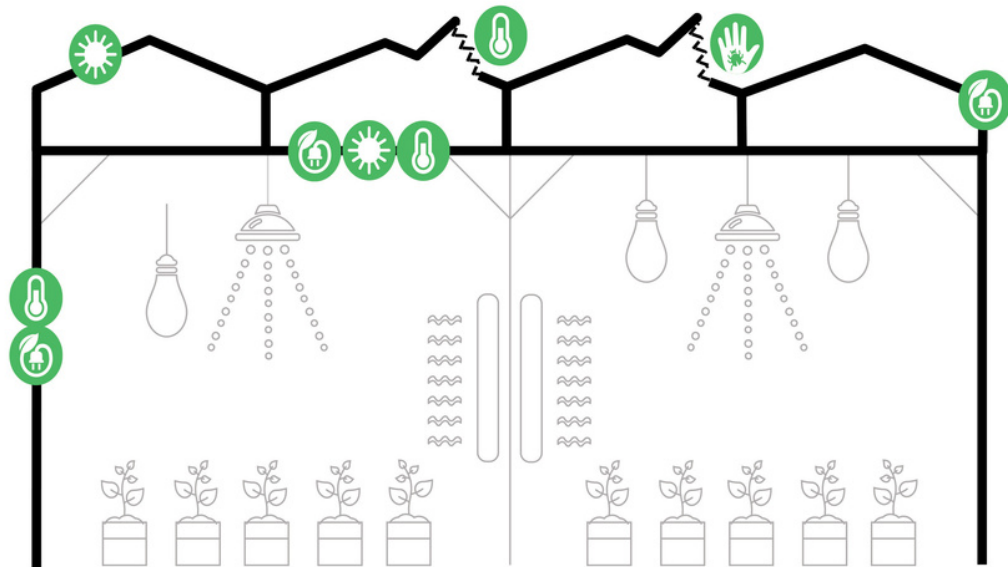
Keep heat inside or outside. Maintain the desired relative humidity level.

Insect Netting

Sustainable Integrated Pest Management. Reduce the use of pesticides.

Insulation systems

Cool and safe storage and service areas using sandwich panels for roofs and sidewalls.



LIGHT



TEMPERATURE &
HUMIDITY



SUSTAINABLE CROP
PROTECTION



ENERGY SAVING