The world is experiencing change at a rate and scale never before seen by humankind.

Within the next four decades, the global population is predicted to increase by a third, from 7.3 billion to 9.7 billion. This rapid population growth will place significant pressure on the world’s natural resources, from water and food to materials extracted from the earth.

At the same time, the impacts of climate change continue to develop, with extreme weather events predicted to increase in both frequency and severity.

In light of these challenges, food security and scarcity risks will become an increasing challenge for many communities around the world.

These challenges place intensive protected cropping technologies at the forefront of the solution.
Quality and Innovation

We’re witnessing first-hand this stronger push towards intensive protected cropping, with projects becoming more complex and focussed on quality rather than low-cost economics.

It’s a trend occurring worldwide and leading to greater innovation in project design and new concepts for growing.

We look forward to growing with you.

Folco Faber, James Harris, Eddie Braaksma
Directors
With the origins of our business firmly planted in New Zealand, we have a great affinity with the native people of the land, the Maori. There is an old Maori saying, very commonly spoken in New Zealand:

“He aha te mea nui o te ao? He tangata, he tangata, he tangata”.

What is the most important thing in the world? It is people, it is people, it is people.

This proverb encompasses our approach to business. The most important consideration is the relationship we have with our people, whether that be our employees, suppliers or our customers.

We bring this human-centred approach to everything we do at Apex.
Our Management Team

**FOLCO FABER**
Growing up in the greenhouse industry, Folco has worked in management, project management and sales roles for more than a decade. At Apex, he oversees sales, management and development of the Australian market.

**JAMES HARRIS**
With an engineering and manufacturing background, James has been in greenhouse development for almost a decade. His role at Apex includes overseeing sales, manufacturing and construction in New Zealand.

**EDDIE BRAAKSMA**
Working in the greenhouse industry for more than three decades, Eddie has extensive experience and knowledge in every aspect of greenhouse design and construction. He manages construction, development design and innovation at Apex.
At Apex Greenhouses, our customers are central to everything we do. We understand that each customer has different needs, which is why we listen to what they require before taking any action.

There is no longer a ‘one size fits all’ solution – each grower has unique needs that are dictated by crop type, climate and available resources.

It is vital that, above all else, our customers are successful and profitable in what they do. Ensuring the profitability of our customers means we are able to nurture a long and prosperous relationship.

From tomatoes to cucumbers, herbs to leafy greens, berries to medicinal cannabis – we have a solution to meet every need.
Excellence in Construction

Purchasing a greenhouse structure is only a part of the journey. The final product will only be as good as the crew you have constructing the greenhouse.

At Apex, we employ a full time in-house construction crew, as well as utilising a number of professional greenhouse subcontractors. All our employees carry the required construction white cards and other relevant licenses. In addition, they are all insured with state WorkCover, something not always followed by some overseas builders.

Having builders based locally means we can typically dispatch builders within 48 hours for any emergency maintenance or repairs required.
The industry is being driven by customisation and innovation. For this reason, Apex Greenhouses understands that no two projects are the same. A one-size fits all approach isn't the solution.

We work with you to understand your goals and the unique set of conditions that shape your operations, and from there develop a complete turnkey solution.

Our decades of experience mean we understand the ins and outs of crop rotation, growing and harvesting, and provide you with a unique perspective. Our proud reputation means we deliver a quality product that’s built to last.

We custom build your greenhouse to any specification, with some of the options including:

- A complete range of glass greenhouses
- Plastic greenhouses
- Retrac™ retractable roof system
- Shade and energy screens
- Heating systems
- Irrigation and electrical
- Full Turnkey solutions
Retrac provides growers with the ability to open up and access the best of nature, as well as the flexibility of covering up to protect against its worst. It’s the perfect solution for those looking to have a higher level of control over weather conditions, crop production and yields.

Developed by people who have worked in the industry for many years, the system incorporates decades of greenhouse design experience, and utilises robust greenhouse structures, applying them to a retractable system.

Featuring a modular design, the Retrac system means that unlike many other products on the market, multiple greenhouses can fit side-by-side, maximising every inch of growing space. No messy cable systems!

Other key features of the Retrac system include:

- Smart design meaning plastic film can be replaced quickly, safely and at low cost
- The ability to customise film covering, even within a single greenhouse, depending on crop requirements
- A unique design that makes the retrofit of current greenhouses a possibility
- No wires under tension eliminating the risk of injury from damaged cables and maximising growing space
- The retractable design makes it suitable for both plants and animals

Importantly, the design of the system means it is easier to construct, and significantly reduces ongoing maintenance costs.
Lessons from history

After installing retractable greenhouse products developed by other manufacturers for a number of years, we quickly established that there had to be a better way. Time and again, we encountered issues with these products, including a short roof lifespan due to the use of inferior materials, an intensive process to replace coverings, a high build price and excessive use of wires under tension, presenting both efficiency and safety concerns.

The unique design of the Retrac system overcomes all of these problems, meaning growers now have access to a higher quality, stronger, simpler and safer option.

At the same time, Apex provides growers with an extensive support network meaning advice and assistance is never far away.
While a key strength is our in-house knowledge and expertise, Apex also leverages industry partnerships to ensure customers are getting the best products at the right price.

**BOAL SYSTEMS**

In recent years, we’ve worked with Dutch greenhouse roofing supplier, BOAL Systems. Founded in the Netherlands in 1970 to supply the local greenhouse market, the business has expanded its global footprint in recent decades.

Apex selected BOAL Systems as a key supplier of aluminium roofing systems and has since installed their products in numerous greenhouses across Australia and NZ with great success.

The collaboration has several benefits. Firstly, for larger projects, BOAL Systems has the capacity to be able to produce aluminium systems faster and often more cost effectively. In addition, BOAL has a very expansive range of roof types to suit all greenhouse applications.

For many standard greenhouse projects, our in-house Faber roof system is a more cost-effective solution.

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**SNELDER**

For all of our ventilation and screening requirements we work with Snelder. Snelder, based out of Utrecht in the Netherlands, supplies around 700HA of ventilation and screening components per year worldwide.

‘I cannot speak highly enough about our relationship with Snelder. We have a direct communication line to the owner, Will Van Roest, who always responds in the shortest possible time.’

Folco Faber – Apex Management Team

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**RIDDER**

Effective and constant greenhouse ventilation is vital for the life of your crop. To lose your ventilation for just a few hours in the peak of summer can decimate your entire business.

For this reason we use Ridder motors and rack systems for our ventilation requirements. The relationship goes back more than 30 years and we still have original motors operating after that amount of time.

Ridder is an innovator and leader in ventilation components and you can rest easy knowing your ventilation requirements are in safe hands.
Roof Types

Apex Greenhouses offers a range of different roof types, dependent upon your specific requirements and budget.

VENLO
The Venlo Roof System was developed in the Netherlands in the early 1970s and is still the most common glass roof system in use today. Frameless vents, integrated insect mesh and a variety of different glass options make this system the go-to choice for most commercial growers.

F-CLEAN
F-Clean is an ETFE material developed in Japan. F-Clean is a unique material, with a 15-year guarantee, self-cleaning properties and a higher light transmission than standard glass types. Originally developed for the Earthquake and Typhoon prone Japanese mainland, we are now seeing these types of systems becoming more popular in other parts of the world.

SOLAR
Popular in European markets, the solar roof system features a 50% covering in solar panels, meaning an extra income stream. It is suitable for crops that are not dependent on full light.

POLY SYSTEMS
For crops where extra ventilation is required, or economics do not allow for a glass system, a poly system can be a good option. Continuous ventilation with a possibility to integrate insect netting, as well as a single or double skin, are some of the features available through a poly system. Aluminium gutter systems mean a tight sealing of the plastic to the gutter.
A common mistake in greenhouse projects is to focus solely on the systems that do the growing, and not give adequate thought to the services area, which is central to any successful operation. This area may include office space, processing and packing equipment and staff amenities. Apex’s packing sheds are the ideal solution.

We provide packing sheds using the same substructure as our glasshouses. The sheds utilise 40mm, 60mm or up to 80mm insulated panels and can also be clad in coloursteel or white glass to keep costs economical.
Shade screens are generally used to protect your crop for harsh sun, while maintaining ventilation. Energy screens typically provide a 50% energy saving in a closed position and are a good option for those conscious of their energy costs. They also provide shading to the crop while ventilation is reduced (many growers use a “gap” in their screen to keep airflow to the crop). For the best effect it is possible to utilise a double screen system whereby a shade and energy screen is used.

Combo screens, energy screens and ground covers are also available.
Apex Greenhouses supplies a range of greenhouse trolleys direct from our supplier in Europe. Similar to Dutch trolleys, but with a more affordable price ticket, the trolleys can be customised to your rail size.
Heating Solutions
We can provide a full heating solution for your greenhouse crop. We can also supply CO2 dosing systems to improve the overall yield of your crop. Heat storage tanks can also be utilised to prevent heat wastage and improve overall energy efficiency.

Hanging Gutter Systems
Our hanging gutter system keeps plants off the ground, sitting in gutters that are suspended from the structure itself. Benefits include having the plants at a safe working height and run-off from the plants can be treated and re-used.

Fan & Pad Cooling Systems
As an agent for Munters, we supply and install a range of fans and wet wall systems.

Spray Machines
Spray trolleys can be supplied with many different options. Spray trolleys can be run on existing heating pipe rails, save labour costs and ensure even distribution of pesticides with minimal wastage.

Misting Systems
We supply and install high-pressure fogging systems. Fogging can be used in times of high temperatures to help aid plant cooling. Fog lines and components are stainless steel to ensure a longer-lasting product.

Irrigation and Fertilization
Water, and particularly good quality water, is scarce. For this reason water must be handled with care. We consider every last drop, with drip systems on substrate, mobile benches and pot plants.

Irrigation Rigs
Water storage, discharge and treatment, and drain water collection are increasingly important. Working with our partner, Royal Brinkman, we can provide irrigation solutions to suit the needs of your crop. Pumpsets and irrigation rigs are engineered to easily provide the desired required capacity.

Benching
A full range of rolling and fixed benches are available. We can create a fully automated logistic system and supply an ebb-and-flood or mesh bottom. New or second hand materials are an option. Rolling benches are an excellent option to maximise space and increase production returns, per square metre.

Additional Services
In conjunction with our trade partners, Apex Greenhouses offers comprehensive packages to suit any budget.

Electrical Insulation
We supply and install Priva growing computers. Priva are the world leaders in greenhouse computer equipment and provide hardware and software to control and manage climate, crop and even labour.

Assimilation Lighting
Internal Transport Logistitcs
Secondhand Glasshouses
Ventilation Servicing and Repairs
Removal and Relocations
Cleaning and Scheduled Maintenance
In addition to these services, we provide assistance with your council consent processes and a full range of service and repair options for glass and plastic houses, as well as storm damage and insurance work. Get in touch for more information.
At Apex Greenhouses, we’re committed to providing complete greenhouse solutions. Talk to us about developing a customised system designed to meet your business goals.

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