COMMERCIAL
GROW SOLUTIONS

Design to Install, We Handle It All

PROSPIANT

Prospiant.com

WHAT PROSPIANT DOES BEST

THE POWER BEHIND PROSPIANT

With more than 170+ years of combined experience and thousands of successful projects behind us, we bring unmatched expertise in greenhouse design, engineering, manufacturing, construction, and long-term service.

Our team has helped the most successful growing operations across North America operate more efficiently and with greater confidence by delivering the highest quality, best-crafted, and most reliable greenhouse structures and systems in the industry.

More than 10,000 growers and researchers have trusted us to deliver greenhouse solutions that perform—season after season.

LET OUR EXPERIENCE BE YOUR ADVANTAGE.

DESIGN

- Design and Consultation Services
- In-house engineering for all disciplines
- Value Engineering

BUILD

- Engineering
- Structure, Glazing, and Screening
- Site Development

INTEGRATE

- Climate Control Systems
- Automation and Growing Systems
- Heating and Cooling Systems
- Irrigation and Sterilization Solutions

OPERATE

- Operations and Maintenance
- Ongoing Support, Training, and Education

YOUR PARTNER FOR ALL-INCLUSIVE GREENHOUSE SOLUTIONS

Prospiant is the largest North American provider of complete commercial greenhouses and growing equipment. With a comprehensive suite of greenhouse structures and services, we meet all your greenhouse needs.

POLY ARCH

OPEN ROOF

VAIL

GRAND TETON

CANADA FACILITY

2035 Spinks Dr,
Kingsville, ON N9Y 2E5
+1 513-242-0310

U.S. FACILITY

7108 Shona Drive,
Cincinnati, OH 45237
513-242-0310

LOCALLY MANUFACTURED

Having manufacturing plants in the U.S. and Canada lets us serve our customers with the efficiency of local production and the scale of a North American network. We can produce closer to where you need your products. That means faster turnaround times, shorter transit distances, and fewer delays.

PROUDLY MANUFACTURED
IN CANADA & UNITED STATES

POWDER COATING
OFFERED IN-HOUSE!

STRUCTURES

VAIL

The Vail is the undisputed workhorse of the Prospiant family, combining high-performance strength and unmatched versatility in one multi-purpose package. This tough greenhouse has a variety of uses for crop production, retail, shipping, headhouses, and more. It is also durable enough to handle high wind, heavy snow loads, and even seismic activity, giving you the peace of mind that your crops have the best protection possible.

VENLO

The Venlo greenhouse is a great choice for large commercial operations, offering optimal light transmittance and exceptional ventilation. It features a high light transmitting tempered-glass roof and a truss design that accommodates energy/shade curtains, growing systems, and more. Alternating skip vents allow for the release of heat and humidity at a controlled pace.

OPEN ROOF

The Open-Roof greenhouse provides a protected environment with easy outdoor access for crop conditioning and steering. It has excellent ventilation with a unique roof design that features full vertical vents that pivot at the gutter sides for 86° natural ventilation with the roof fully open, or partial roof opening during bad weather.

MULTI-PEAK POLYARCH

Whether used for production or retail, the Multi-Peak Poly-Arch greenhouse offers maximum airflow and cooling. A large, continuous ridge vent runs the full length of the house to allow trapped air to escape. The structure accommodates passive and/or mechanical ventilation and is an obvious choice for large-scale facilities that require a controlled growing environment for production.

GRAND TETON

The Grand Teton is a great production greenhouse with high overhead clearance for hanging baskets and equipment. This house is the perfect solution for growers seeking a pad-wall and fan style growing environment, or for those who want to start with a poly-film covering and later convert to a rigid covering without major renovations.

WINDJAMMER

The Windjammer is a versatile ground-to-ground, freestanding greenhouse perfect for finishing and multi-tier production. Use it as a standalone house or add double-bolted ground stakes and heavy-gauge, easy walk-in gutters for an alternative to “traditional” gutter-connected designs where building permits are not required.

SYSTEMS AND EQUIPMENT

Our in-house design and engineer experts consider factors such as crop, location, climate, production needs, and growing style to recommend an integrated greenhouse design to suit your unique needs. By seamlessly integrating automated systems, we enhance control and efficiency to help you optimize your climate, produce high-quality crops, and maximize your throughput and profits.

Large hydronic heating system with CO_2 recovery

Heating and Cooling

With today's higher energy costs, you need to maximize heating and cooling efficiency. Temperature also influences plant growth and development, making it a valuable production tool to manipulate for crop steering.

- **Overhead heating**
- **Hot water/hydronic heating**
  - Boiler CO_2 recovery
- **Fan/pad cooling**
- **High-pressure fogging**

Rolling benches increase space efficiency

Benching

A well-designed benching layout allows you to get the most out of your available space, resulting in increased productivity per square foot. Benching reduces the physical strain on workers and reduces the labor required for moving plants. It also facilitates better air circulation to improve plant health, particularly at the root zone.

- **Rolling**
- **Stationary**
- **Palletized**
- **Flood trays**
- **Porous plastic**
- **And more**

Curtain system in retail setting

Curtains

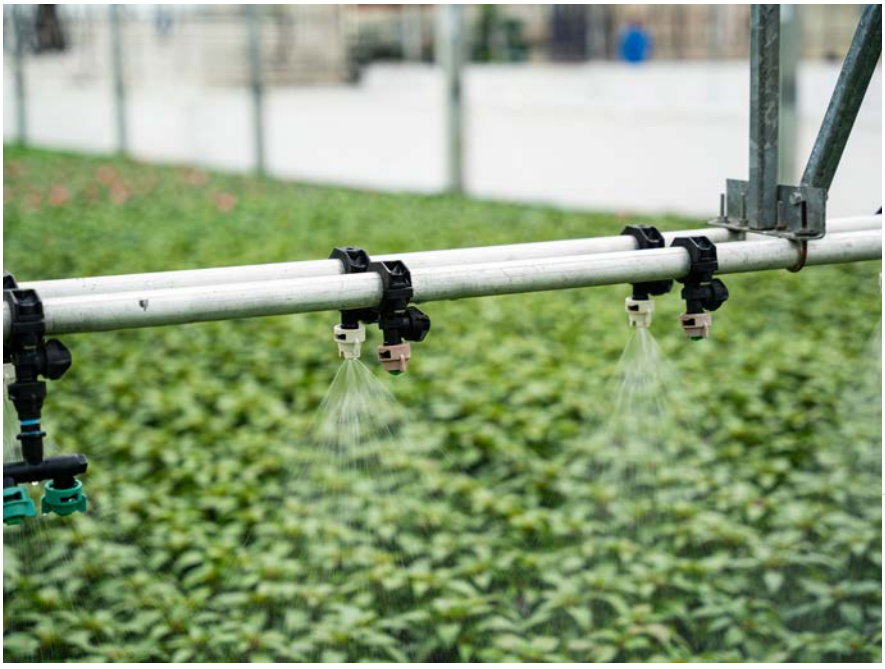
Curtain systems boost greenhouse efficiency by providing additional insulation or shade to help reduce energy costs. They assist with climate management and help facilitate light regulation and distribution to support healthy crop growth.

Environmental Control

The environmental controller is the most important labor-saving and energy-efficiency tool in your greenhouse. It not only monitors and adjusts the growing conditions, but also ensures all integrated systems work together effectively to help you consistently maximize your production efficiency.

Water Management

Effective irrigation and water management streamlines your operating costs, saves water, and boosts crop quality and yield. When selecting a watering system, it's important to match the delivery method to the needs of your plants and consider the potential impact on the greenhouse environment.



- **Boom**
- **Drip**
- **Flood/Floor**
- **Recirculation**

CASE STUDY:
TROPICAL FOLIAGE PLANTS

PROJECT TYPE:
Flowers and Retail

LOCATION:
Cincinnati, OH

STRUCTURE:
Poly Arch

SERVICES:
Design

THEIR STORY:

Tropical Foliage Plants, run by the Lutz family since 1968, is known for the outstanding quality of its products and one of the biggest plant selections you'll find in the Tri-State area of Ohio, Indiana, and Kentucky.

You can find this wholesale plant distributor in the Delhi Township area of Cincinnati, OH. It offers a wide range of foliage and blooming plants as well as other seasonal items and hard goods.

Over 60 greenhouse operations once called this neighborhood home, earning it the nickname "The Floral Paradise of Ohio".

Delhi Township makes the ideal setting for an operation of this type with its rich farming and floral history. Over 60 greenhouse operations once called this neighborhood home, earning it the nickname "The Floral Paradise of Ohio".Tropical Foliage Plant grows around 5% of its product. The rest comes from its greenhouse facility in central Florida, Ponkan Pines Nursery, and other carefully selected Florida growers.

David Lutz, who manages the 2-acre Ponkan Pines Nursery, has a serious talent for growing the best foliage and tropical plants in the business. The nursery plays a crucial role in making sure Tropical Foliage Plants always has top-quality plants to offer its customers.

Speaking of customers, Tropical Foliage Plants takes pride in providing first-rate plants and products with exceptional customer service. It caters to retail florists, garden centers, plant shops, and interiorscapers.

PROJECT OVERVIEW

Wooden, A-frame greenhouses covering 20,000 square feet were the original structures built on Tropical Foliage Plant's Ohio site. Improvements made over the years, including reinforcing the gutters, replacing glass with plastic, and keeping up with general maintenance kept the structures in pretty good shape.

In 1988, Tropical Foliage Plants added two 20-foot Poly Arch greenhouses from Rough Brothers' (now Prospiant). Workers tore down part of the original greenhouse in 1996 and expanded by adding six Poly Arch greenhouses that were 20-feet wide, all from Prospiant. Additionally, they added into the design a new 7,500 square foot warehouse for shipping and packing.

In 2005, Tropical Foliage Plants added three more of the same Poly Arch greenhouses from Prospiant, all gutter connected.

With the explosion of demand for foliage and tropical plants over the last decade, owner Dale Lutz knew an expansion was due to make room for more plants. He decided to expand using the same type of Poly Arch houses he already had on-site since they worked so well for his set-up. In 2005, Tropical Foliage Plants added three more of the same Poly Arch greenhouses from Prospiant, all gutter connected.

Dale initially planned to build one new greenhouse, but that eventually turned into four gutter-connected Poly Arch houses. Some of Dale's specific requests for the new greenhouses included more airflow, sidewall swing-vents without inside mounts, and a 4-foot kneewall to protect plants from the wind.

Prospiant designed and manufactured the greenhouses at its Cincinnati manufacturing site. Jason Ahr, who works at Tropical Foliage Plants as a site manager, built the greenhouses with the help of his brother-in-law.

Tropical Foliage Plants uses the new greenhouse space to grow poinsettias, annuals, and hanging baskets. With the extra room, they've also made some changes to make it easier for customers to see and choose their favorite plants.

But here's the best part: Tropical Foliage Plants remains as committed as ever to providing top-notch plants and exceptional service to its customers. Prospiant is proud to have played a small role in helping them keep that commitment with their new greenhouses.

WE DESIGN, MANUFACTURE, AND BUILD GREENHOUSES

Prospiant has a strong legacy, built on the foundation of three industry-leading brands. With more than 170 years of combined expertise in greenhouse manufacturing, design, construction, and integration, our employees support customers in the commercial floriculture and nursery, retail, institutional, and produce markets.

- **Design and value engineer* your project**
- **Build with local manufacturing and general contracting**
- **Integrate the perfect growing environment**
- **Operate your facility in optimum condition**

**We work with partners to ensure proper, compliant performance of engineering and design services.*

PROSPIANT

Contact us to purchase

(513) 242-0310

sales@prospiant.com

www.prospiant.com

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