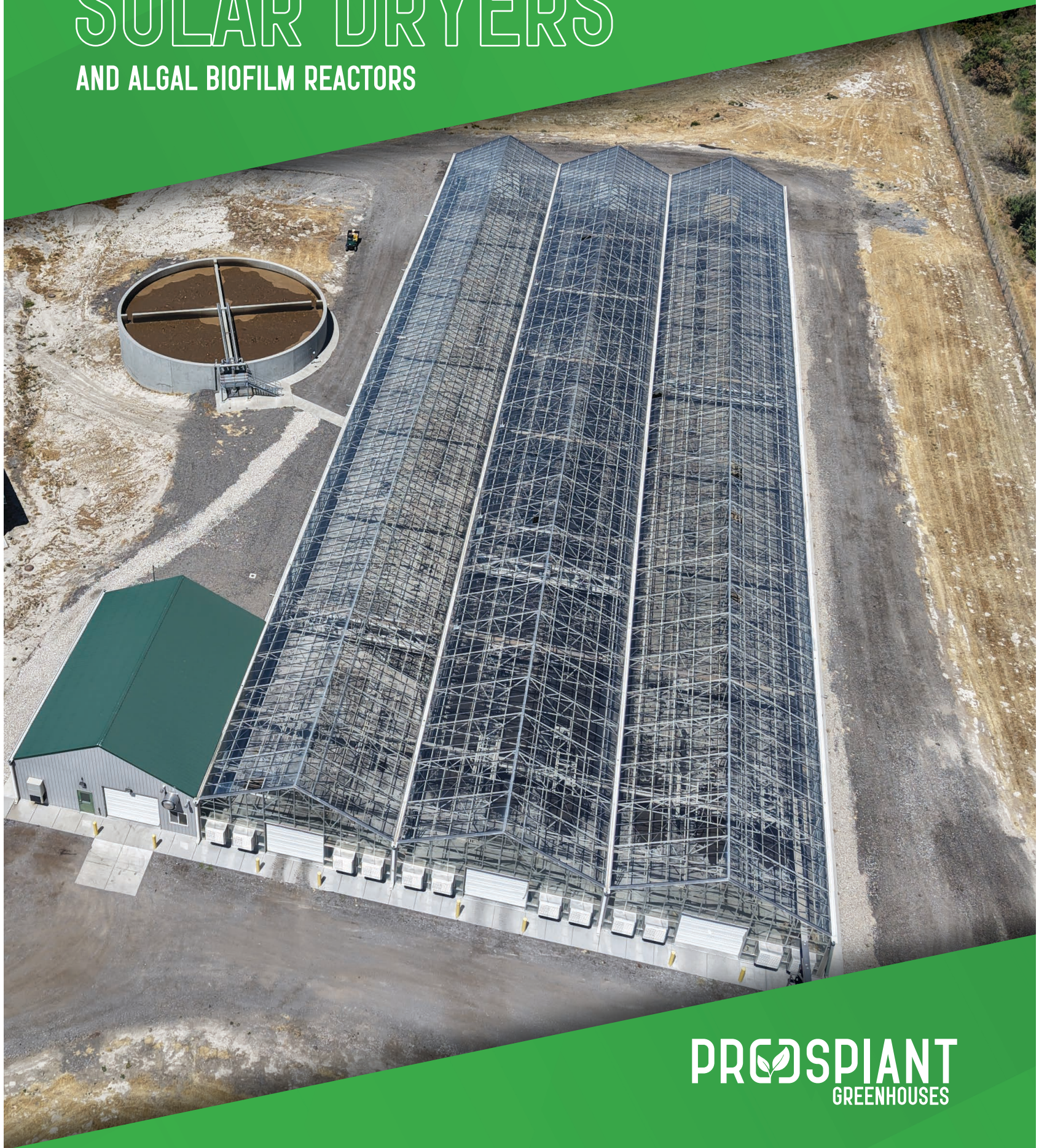


GREENHOUSE STRUCTURES FOR
SOLAR DRYERS
AND ALGAL BIOFILM REACTORS



PROSPERANT
GREENHOUSES



WHAT WE PROVIDE:

- Structural engineering and design
- Custom greenhouse structures
- Heating systems
- Ventilation and air movement systems
- Environmental controls and automation
- Installation and construction services
- Greenhouse systems integration
- Engineering support throughout the project life cycle

WE STICK WITH WHAT WE KNOW BEST

Prospiant Greenhouses is the leading manufacturer of custom-built greenhouse structures and systems. Backed by an experienced in-house engineering team, we provide engineering, design, and system integration services for specialized environmental applications.

Interest in using greenhouses for solar drying is growing due to their low energy requirements and ability to harness solar energy. Greenhouses offer protection from unpredictable weather and provide consistent environmental control year-round.

For algal biofilm reactors, greenhouses capture the sunlight algae needs to fuel their growth and remove nutrients from wastewater. The result is a natural, low-energy treatment process that improves water quality.

HOW WE CAN HELP YOU

Most wastewater treatment facilities have felt the crunch on their budgets that comes with handling biosolids and treating wastewater. The pressure to reduce costs, operate more efficiently, and implement sustainable practices has never been greater.

Greenhouse-supported treatment processes offer a low-energy way to reduce operational costs and greenhouse gas emissions for wastewater treatment operations working toward net-zero emissions.

But it's critical to have the right greenhouse environment to support the treatment process technology.

That's where we come in.

Solar Sludge Drying Greenhouses

We deliver a complete greenhouse solution from design to installation.

- Lower disposal and transport costs
- Harness free solar energy for efficient sludge drying
- Create a controlled environment for more consistent drying
- Protect the drying process from rain and changing weather
- Improve handling, storage, and transport of dried material
- Support new installations and treatment facility expansions
- Reduce reliance on energy-intensive drying methods
- Integrate greenhouse systems with process systems



Greenhouses for Algae Production

Get a customized greenhouse structure designed around your operation.

- Design structures around your treatment process and equipment
- Protect algal systems from adverse weather and outside contamination
- Maintain more stable growing conditions year-round
- Maximize available sunlight for algae cultivation systems
- Provide greenhouse design, engineering, manufacturing, and installation support for the structure and its systems
- Support scalable systems and full-scale treatment facilities



EXPERTISE YOU CAN TRUST

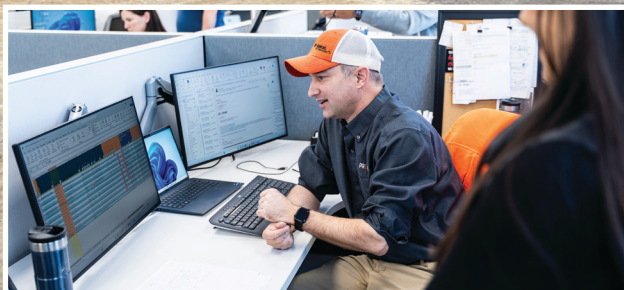
THE POWER BEHIND PROSPIANT

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 customers have trusted us to deliver greenhouse solutions that perform—season after season.

LET OUR EXPERIENCE BE YOUR ADVANTAGE.



DESIGN

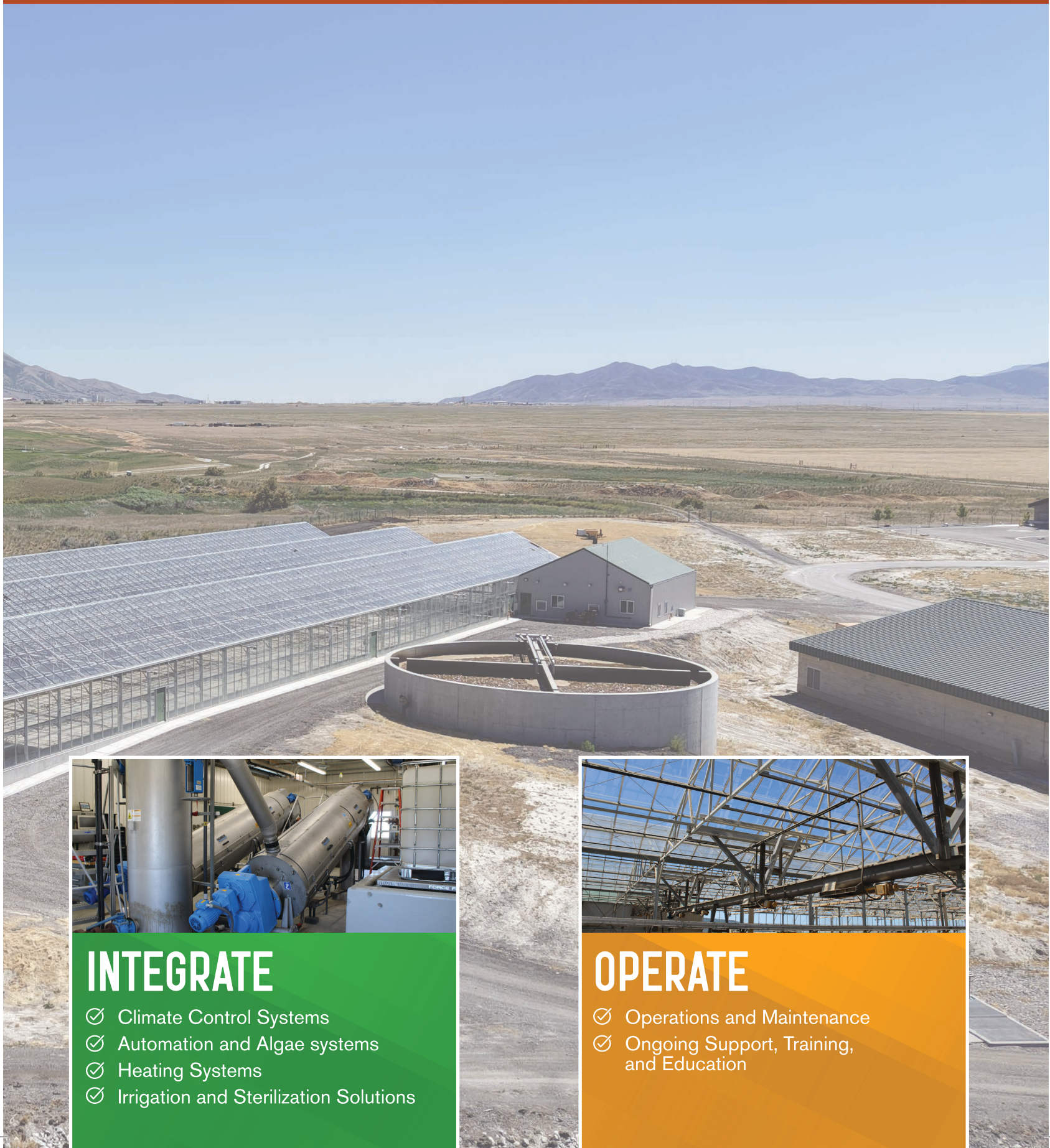
- ✓ Design and Consultation Services
- ✓ In-house engineering for all disciplines
- ✓ Value Engineering



BUILD

- ✓ Engineering
- ✓ Structure, Glazing, and Foundation
- ✓ Site Development

CAPABILITIES YOU CAN COUNT ON



INTEGRATE

- ✓ Climate Control Systems
- ✓ Automation and Algae systems
- ✓ Heating Systems
- ✓ Irrigation and Sterilization Solutions

OPERATE

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



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.

POWDER COATING OFFERED IN-HOUSE!

WHAT MAKES US DIFFERENT

TRUE TURNKEY PROVIDER

Everyone says they do it all—but we actually can. With in-house engineers, designers, fabricators, and more, we deliver turnkey greenhouse structures and systems. No juggling vendors or timeline headaches for you—just seamless execution and efficient results.

NORTH-AMERICAN BASED

With manufacturing facilities in Ohio and Ontario, we're doubling down on speed, efficiency, and supply chain reliability on both sides of the border.

NORTH AMERICAN-MADE STEEL

We source U.S. and Canadian steel, and domestic materials as much as possible to avoid delays, cut red tape, and keep your project running smoothly from start to finish.

IN-HOUSE EXPERTISE

Real experience delivers real results. We've got decades of greenhouse know-how under one roof—with a team of experienced builders who've been building greenhouses with us for 30+ years.

MARKETS SERVED

We provide greenhouse solutions and greenhouse structures for all kinds of markets—wastewater treatment facilities, indoor golf event centers, fruit and vegetable producers, flower growers, nurseries, garden centers, public/botanical gardens, researchers, schools, and universities.



WE DESIGN, MANUFACTURE, AND BUILD GREENHOUSES

Contact us to purchase

(513) 242-0310

sales@prospiant.com

www.prospiant.com

f **@** **in**

©2026 Prospiant. All rights reserved.



**PROUDLY MANUFACTURED
IN CANADA & UNITED STATES**

PROSP**PIANT**
GREENHOUSES