



Oxford Energy Solutions Inc.

Modern agriculture relies on systems most people never see – the cold chain, process flow, water systems, and digitally controlled environments that protect food from harvest to table. The Oxford Group of Companies (Oxford Energy Solutions Inc., Oxford Refrigeration Inc., Oxford CO₂ Technologies, and Oxford Gas Compression Inc.) designs and builds this critical infrastructure. As a process engineering and original equipment manufacturing (OEM) company, Oxford Energy Solutions Inc. (OES) operates at the core of the agricultural and food production chain, creating systems that move food safely and efficiently from raw production to finished products.

A Primary Partner to Agriculture – Not a Trade Contractor

OES specializes in cold chain and process system design, managing the conditions that determine product quality and shelf life – including temperature, humidity, sanitation, and process timing. Through integrated system design, OES helps producers protect product integrity, extend freshness, and deliver higher-value products to market.

Unlike traditional refrigeration or HVAC contractors, OES functions as a primary agricultural systems supplier. The company designs entire facilities and production environments, not just heat transfer services. This includes:

- Process flow and plant layout design
- Custom-built equipment and skids
- In-house fabrication and assembly
- In-house testing and demonstration that let clients see equipment, validate performance, and visualize system mock-ups.
- Controls development, automation, and agricultural digital platforms developed in Oxford County
- Digital monitoring and system optimization platforms

Every system is engineered around the product itself – how it moves, how it is cooled, washed, handled, stored, and protected. Digital intelligence is built into every system, giving producers real-time visibility, stronger control, and the confidence to scale their operations with precision. This product-first approach allows agricultural businesses to improve consistency, scale efficiently, and successfully operate higher-value production.

Serving Ontario's Diverse Food Production Landscape

Ontario is one of North America's most diverse food production regions, with strong dairy, produce, and livestock sectors that anchor rural communities. These industries rely on stable environments, smooth process flow, and dependable system performance.

OES has established itself as a trusted partner across this landscape. In Southwestern Ontario – particularly Oxford County, one of the province's most concentrated dairy regions – the company designs complete dairy processing systems, from raw milk handling and storage through pasteurization, sanitary piping, and finished product cooling. Each project is built as an integrated system that prioritizes food safety, regulatory compliance, and operational efficiency, while incorporating advanced automation and digital monitoring to improve consistency, visibility, and performance.

All automation and digital platforms are designed and built in Oxford County, placing global-level agricultural intelligence directly into the hands of local producers and strengthening Ontario's position as a leader in modern food production. These digital systems allow producers to better understand their operations, reduce waste, and adapt more quickly to changing production demands.

OES also supports large-scale livestock operations through the design of controlled environment feeding and care facilities and critical feed handling systems. A key example is the expansion of Oxford Cattle Company, where OES engineered a facility capable of supporting nearly 20,000 calves, integrating ventilation, temperature control, and automated feeding systems. These technologies are instrumental in increasing capacity while protecting animal health, biosecurity, and operational stability.

OES also delivers advanced produce handling and wash system design, where precision directly impacts product quality and shelf life. The company designs water systems, flow

dynamics, and gentle conveying solutions for high-value crops such as carrots, asparagus, lettuce, and ginseng. A key example is its work with Nature's Finest Produce, and regional grower Derewlany Carrots, where OES developed and applied advanced facility and process designs that control washing performance, product protection, processing speed, and overall market quality—supporting capacity expansion and long-term market stability.

Across the industry, OES applies practical agricultural knowledge and locally developed digital systems to protect quality, improve consistency, and maximize product value.

Engineering Regulatory Confidence

Modern agricultural processing does not operate in isolation. Producers must navigate complex frameworks governed by the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), Canadian Food Inspection Agency (CFIA), and national food safety standards. OES embeds these requirements directly into the engineering stage, ensuring that facilities and processes are designed to meet regulatory expectations before the first inspection occurs.

This work includes:

- Hygienic zoning and sanitary design
- Process validation and documentation
- Food safety-driven equipment layouts
- Compliance-ready facility infrastructure with full digital support (process logging, traceability, audit-ready data)

In this role, OES acts not only as a system designer, but as a technical partner that helps producers move confidently through regulatory requirements.

Through collaboration with groups such as Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), Canadian Food Inspection Agency (CFIA), Ontario Federation of Agriculture (OFA), Dairy Farmers of Ontario (DFO), the University of Guelph, and global agricultural partners including Dekalb, Pioneer, DuPont, and Cargill, OES helps align facility design, process systems, and compliance with the evolving needs of modern agriculture. These partnerships strengthen on-farm performance, food safety, and long-term operational stability.

In-House Manufacturing and Local Expertise

Oxford Energy Solutions designs and manufactures original equipment entirely in-house, building systems around the real-world demands of agricultural environments. Rather than relying on offshore manufacturing or generic platforms, OES engineers and assembles purpose-built systems that integrate electrical, digital, and process control disciplines into unified, automated solutions. All equipment is manufactured under CSA-certified processes, ensuring systems meet rigorous safety, quality, and performance standards. This approach keeps knowledge, production, and accountability local, strengthening the industry and economy while improving reliability for clients.

The company's rural location is a strategic advantage. Being based in the heart of agricultural communities positions OES alongside the very industries it serves. This proximity allows farmers and processors to take part in the design process, view equipment in development, and experience working demonstrations. As the company continues to grow, its facility is being developed as a place where producers can see and experience operating systems firsthand.

OES also actively works with local trades and skilled partners, strengthening regional supply chains. The company recruits and develops talent from Oxford County and surrounding areas, helping build a strong local workforce and supporting Canada's manufacturing base.

Beyond its facilities, OES supports local high schools through skilled trades engagement and provides bursaries to help young people pursue careers in Ontario's trades and technical fields, helping ensure the long-term strength of the province's agricultural and industrial workforce.

Backbone of Rural Food Infrastructure

At its core, OES is a process-driven company serving agriculture, food security, and rural economic growth. The people behind Oxford Energy Solutions grew up in Oxford County and the surrounding rural regions, shaped by the communities, industries, and landscapes that define Ontario's agricultural heartland. This shared background creates a deep understanding, respect, and sense of responsibility for the role food production plays in sustaining communities. The company has made a deliberate choice to remain rooted in rural Ontario and to invest in the communities that shaped its people.

Farms today are no longer simple operations. They are complex, technology-driven systems – growing, creating, processing, and feeding communities with precision and care. Located within one of the most diverse and productive agricultural regions in the world, OES is committed to advancing Canadian excellence in food production by building the infrastructure these modern operations depend on.

In an industry where consistency defines success, OES is a primary contributor to agricultural processing. Its role is not simply to cool air or move heat, but to design and build the process architecture, equipment, and control platforms that form the backbone of modern food facilities. Through locally developed digital intelligence and automation-driven systems, OES is not simply supporting agriculture – it is actively shaping how food is produced, protected, and delivered.

