

Arcadian PROJECTS

ENERGY OVERVIEW

INTEGRATED ENERGY SOLUTIONS | MULTI-TRADE SERVICES

arcadianprojects.ca

Learn More



Supporting real change in our community.



At Arcadian Projects, we believe the future is built through strong relationships, practical innovation, and people who care about making a real impact.

We take great pride in our purpose: *Creating opportunities and resiliency in our people, our clients, and our communities, to drive meaningful progress for the future.*

As a solutions integration partner with in-house multi-trade teams, we work collaboratively with clients, technology providers, utilities, and industry partners to help accelerate the adoption of impactful technologies across the energy, institutional, commercial and industrial sectors. Our focus is on operational savings, energy optimization, decarbonization, and delivering practical solutions that create long-term value.

We are passionate about moving the needle on innovation and efficiencies within the construction industry while maintaining a strong commitment to accountability, trust, and partnership. Most importantly, our experienced and diverse team members are the foundation of everything we do. Their dedication and pride in their work are what allow Arcadian Projects to consistently deliver results.

Thank you for taking the time to learn more about Arcadian Projects. We look forward to building the future together.

Luke

The Growth of Arcadian

2008	2012	2014 - 2015	2016
<p>Renewable Solar</p> <p>Arcadian Projects was founded. We began by installing residential and agricultural solar projects, aligning with the new Green Energy Act.</p>	<p>LED Lighting</p> <p>Incorporated LED lighting conservation initiatives supporting the SaveON Energy program.</p>	<p>Industrial Growth & Energy Management Services</p> <p>Growth of the Commercial and Industrial trades teams. Development of comprehensive energy management services incorporating renewables and all conservation initiatives.</p>	<p>Industrial Commercial Group</p> <p>The official launch of the Arcadian Industrial Group with in-house certified trades to support stand-alone industrial and energy projects.</p>
2018	2019-2020	2021-2023	2023-2025
<p>Energy Projects</p> <p>Company reorganization and supporting business model to grow the Energy Solutions Group. Built Canada's largest battery energy storage system (BESS) (40.8MWh).</p>	<p>Industrial Company Expansion</p> <p>Acquisition of two local electrical and mechanical companies to grow the C&I customer base and add resources to the trades teams. Support of the EV Charging market growth.</p>	<p>Strategic Growth</p> <p>Strategic development of leadership and project support teams. Growth in Institutional projects, new building technologies and energy sector relationships. Launch of DER Solutions Inc., to help accelerate bringing new technologies to market.</p>	<p>Growth of AP & DER</p> <p>Energy project growth supporting Government incentives. DER expands smart building technologies in the long-term care and commercial sectors. Strategic growth of Mechanical group.</p>

Energy Services

We provide value to our clients by leveraging our comprehensive knowledge of energy-efficient technologies.
We support our clients energy efficiency goals through:

Renewable Energy

Solar PV | O&M

- Electrical contracting services
- Consulting
- Subcontracting services
- Design and manufacturing of modular control buildings
- O&M packages
- Net metering systems for commercial and industrial applications
- Contract administration

Energy Storage Systems

Containerized | EV Chargers

Integrating battery energy storage systems to help our clients with:

- Peak shaving
- Load shedding
- Grid stabilization
- Reliable backup power
- Global adjustment reduction

Arcadian has installed over 100MW hours of battery storage in Ontario!

Conservation Initiatives

Building Services | Air & Heat

- Building Services: heating, cooling and process heat management
- Turnkey solutions for air movement and heat loss
- Power analysis/Power factor correction
- Service upgrades and electrical contracting

Energy Management

Commercial | Industrial | Institutional

- Monitoring and targeting
- Smart building integration
- Global Adjustment management
- Energy auditing
- Data Analytics
- Feasibility studies
- Energy incentive program support

Solar Systems



Arcadian Projects provides full-scope commercial and agricultural solar installations, including system planning and design, procurement, installation, grid integration and monitoring.

From large-scale rooftop net metering systems to farm-based installations, we have completed projects across institutional campuses, commercial facilities, and agricultural operations. This includes a 7.5 MW installation recognized as one of the largest solar projects in Canada, demonstrating our ability to deliver at both scale and complexity.

By combining our electrical and multi-trade expertise, we ensure seamless integration with existing infrastructure while maximizing long-term energy performance and reliability.



Battery Energy Storage Systems



Battery energy storage systems (BESS) help manage energy demand, maintain operations during outages, and improve overall system resilience by storing and deploying power when it's needed most.

Arcadian Projects has delivered commercial-scale lithium-ion battery installations across industrial and commercial sites, including systems supporting microgrid applications in manufacturing environments and projects in Northern Canada.

By combining electrical installation with strong project coordination, we deliver safe, efficient, and reliable energy storage solutions that enhance performance in both grid-connected and remote applications.



Kitchener Battery



KIA Mexico



Bimbo Bread



Superior Essex

EV Charging



Arcadian Projects installs EV charging infrastructure to support electric vehicle adoption, from single-site Level 2 and Level 3 chargers to multi-location EV charging networks.

Our projects include site preparation, equipment installation, and coordination of electrical upgrades to deliver reliable, efficient, and future-ready charging solutions.

Projects span private data centers, automotive dealerships, hotels, and large-scale utility partnerships, demonstrating the versatility and scale of our EV charging capabilities.



Innovative Projects



Innovation drives our approach to delivering forward-thinking infrastructure solutions. We deliver projects that challenge traditional construction methods and combine integrated, multi-trade collaboration in remote and demanding environments.

Some of our innovative projects include:

- Modular multi-residential build. Utilizing modular pre-cast building sections/rooms, connecting all mechanical services with common corridors to house 103 apartments.
- 3-D printed senior living housing - currently under contract.
- Largest BESS in Canada in 2017. This indoor, non-containerized battery energy storage system in Stratford ON housed 8.8 megawatts of BESS.
- Arctic Research Foundation (ARF) off-grid mobile research labs delivering hybrid-powered, multi-trade facilities with solar and wind micro-grid systems across Nunavut.
- Built one of Ontario's first EV charging highway networks along the 400 series.
- Delivered mechanical infrastructure support for a mini hydrogen system.



ARF Mobile Off-Grid Labs



Stratford Battery Energy Project



FUZE Modular Apartments



IVY EV Charging Network

Maintenance & Service Teams



Arcadian Projects provides full-service operations, maintenance, and support for commercial, industrial, and energy infrastructure.

Our experienced service team supports the ongoing performance, efficiency, and reliability of critical systems through preventative maintenance, repairs, system optimization, and operational support.

Our service capabilities include:

- Energy Systems O&M and Service
- Electrical Service
- Plumbing & Mechanical Service
- Millwright Service
- HVAC Service



See Our Work



ELECTRICAL, PLUMBING
MILLWRIGHTING & HVAC

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519-804-9697

Progressive Customers | Progressive Projects

We work with clients looking to improve their building operation efficiency and environments. We support smarter, greener and sustainable builds, using innovative products and technologies.

To learn more about our solutions, projects and people, see our comprehensive company overview at <https://arcadianprojects.ca/arcadian-projects-company-overview/>

Projects



QuadReal Birmingham



Arcadian Projects transformed three warehouse facilities through the implementation of a large-scale rooftop solar installation for QuadReal Birmingham in Etobicoke.

The project included the installation of:

- 1,260 solar panels across three buildings
- 185 kW AC capacity per roof
- 222 kW DC capacity per roof

This multi-building solar deployment was designed to support long-term energy performance, improve operational efficiency, and advance sustainable infrastructure goals across the three sites.



Bimbo Bread



Arcadian Projects acted as EPC contractor for Enel X North America on a 3 MW, 2-hour BESS supporting Global Adjustment.

The system included three 1 MW BESS containers, a 27.6 kV grounding transformer, and associated switchgear and protection systems, with underground electrical works and site restoration.

Delivered at Grupo Bimbo's Hamilton facility, the project was executed in a constrained operational site requiring careful coordination to maintain ongoing plant operations. Commissioning was completed during a single planned shutdown to minimize disruption. Coordination was completed with Hydro One.

Trade: Electrical



IVY EV Charging Network



The Ivy Joint Venture - Shell ReCharge Solutions
(formally Greenlots)

- Level 3 Fast Chargers
- ABB 50kW

Multiple EV charging projects were installed for two of Ontario's largest utilities, which formed a joint venture to deploy DC Fast Chargers across the province and 401 corridor.

- Arcadian Projects provided equipment installed on pre-cast concrete to facilitate winter construction in Northern Ontario.
- Provided civil works for complete installation.

Trades: Electrical & Millwrighting



Some Local Partners



Affiliations & Certifications



Energy



Construction



Business | H&S



Contact Information



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