

Arcadian PROJECTS

SOLAR 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.



Integrity Mold



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

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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





The Arcadian Toolkit



Our people are our pride.

Our team of knowledgeable professionals takes a progressive and responsible approach to supporting our clients.

Get to know us



Our People



Luke Shantz
President & CEO

Luke is a visionary entrepreneur with 15+ years of experience, providing strategic leadership at Arcadian Projects while driving innovation and low-carbon solutions in the construction sector.

Adam Fraser, CEM
Energy Project Manager

Adam brings expertise in solar, battery storage, and EV systems, supporting projects through precise design, budgeting, and a strong focus on safety compliance.

Plamen Notov
Director of Energy Services

With nearly 20 years in the energy sector, Plamen delivers practical, results-driven solutions that improve system reliability and support sustainability.

Todd Lorentz, ME
Vice President

Todd brings 25+ years of experience in manufacturing and construction, with expertise in contract management and project risk mitigation.

Jerry Arai
Energy Project Development

Jerry progressed from apprentice to Project Manager at AP over the past 15 years, supporting clients with innovative energy projects through strong technical expertise and system integration.

Jeff Vidmar
Data Analytics & Design Technician

Jeff brings over 15 years of renewable energy experience, supporting clients in optimizing system design through data-driven insights and incentive expertise.

Mike Binns, CPA, CA
Director of Finance

Michael brings 20+ years of experience, providing strategic financial leadership that supports growth, efficiency, and risk management.

Some Local Partners



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



Slits Dairy Farm



Slits Dairy Farm in Brunner, ON, is split between three different properties, holding 250 cows which can produce 10,000 litres of milk per day. This solar net metering system will help offset energy consumption.

- Pitched rooftop
- Net Metering
- 120 kWdc
- 90 kWac
- 261 solar panels

Trades: Electrical & Millwrighting



Erb Transport



Having integrated LED lighting, conservation upgrades and energy monitoring in multiple locations, Erb Transport head office in Baden, ON, now showcases a new large net metering system on their roof.

- Flat rooftop
- Net Metering
- 600 kWdc
- 500 kWac

Trades: Electrical & Millwrighting



Hillmanor Holsteins



Hillmanor Holsteins, a state-of-the-art dairy farm in Mitchell, ON, is equipped with a 150 kW solar system installed by the AP Solar Team. The project's large barn roof required a coordinated crew of nine to complete the installation.

- Flat rooftop
- Net Metering
- 150 kWdc
- 100 kWac
- 320 solar panels

Trades: Electrical & Millwrighting



Terra Nova Nordic Spa & Cafe



The Terra Nova Nordic Spa & Café in Woodstock, Ontario partnered with Arcadian Projects to design and install a **118.26 kWdc** commercial solar photovoltaic (PV) **net metering system**. The system was designed to help reduce operating costs, offset electricity consumption, and lower the facility's environmental footprint.

- Supply and installation of a rooftop solar PV system
- Installation of solar modules and inverter system
- Electrical integration, including connection to existing electrical infrastructure
- Transformer and system integration upgrades to support solar interconnection
- System commissioning and ESA inspection approval

Trades: Electrical



Fischer Canada



This project involves the supply and installation of an **887.84 kWdc / 750 kWac rooftop solar photovoltaic net metering system**, including solar modules, ballasted racking, inverters, monitoring, and electrical tie-in to the facility's main electrical infrastructure.

- Installation of a rooftop solar PV system, including engineered racking and ballast design
- Supply and installation of 1,432 solar modules and 6 inverters
- Installation of rapid shutdown and safety systems
- Electrical balance of system components, including AC combiner and disconnects
- Electrical tie-in from rooftop array and inverters to the main electrical room switchboard
- Supply, installation, and commissioning of solar monitoring system

Trades: Electrical



Conestoga College Solar Net Metering



A Blackstone Energy project, Arcadian Projects completed the solar installation scope of work for the Doon Conestoga College campus.

- Flat rooftop
- Net Metering
- 1.35 MWdc
- 1.2 MWac
- 1,800 solar panels

Trades: Electrical & Millwrighting



Terra Nova Farm



This project features a **164.7 kWdc / 66 kWac rooftop solar photovoltaic net metering system** designed to generate on-site renewable energy and reduce electricity costs. The installation includes 270 solar modules, seven inverters, rooftop racking with critter guard protection, and a complete electrical interconnection to the facility's existing electrical infrastructure.

- Installation of rooftop solar modules with flush-mount racking and critter guard protection
- Supply and installation of solar inverters and rapid shutdown equipment
- Installation of AC and DC electrical components, including combiner and disconnect switches
- Electrical interconnection between the solar array, inverters, and utility metering infrastructure, including trenching and conduit installation
- Supply, installation, and commissioning of the solar monitoring system

Trades: Electrical



Affiliations & Certifications



Energy



Construction



Business | H&S



Contact Information



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