



BANKABLE | OPTIMIZED | VALUE-DRIVEN

USA

417 5th Ave, Suite 804
New York, NY 10016
Tel: 917 720 5685

CANADA

56 Temperance Street, 7th Floor
Toronto, Ontario M5H 3V5
Tel: 416 789 4655

PHILLIPINES

ASPACE Unit KLM
Crossroads Mall, Gov. M. Cuenco Ave.
Kasambagan, Cebu City
Tel: +63 917 129 9603

www.uge-engineering.com

Statement of Qualifications

Professional Solar + Storage Engineers

Feasibility Studies
Design and Engineering
Construction and Commissioning
Owner's Engineer

WE PROVIDE ENGINEERING AND CONSULTING SERVICES TO CLIENTS WORLDWIDE

This document presents an overview of the experience and qualifications of UGEngineering. We are a firm that offers a full complement of solar + storage design, engineering, and testing services.

Included is a list of our projects and capabilities along with a generalized scope of services offered. We've also forged solid partnerships with additional consultants to provide a broader scope of services that allow our clients to enjoy the benefits of a **single point of accountability**.

With over **500MW** of global solar + storage experience across more than **700 projects** and over **80 years** of direct industry experience among our team of experts, we provide thoughtful engineered solutions to ensure smooth permitting and constructability for your projects. We understand that each system is an asset for our clients, and we help ensure bankable ROI on your projects.

If we could assist in any way with your projects, please contact us:

Edgar Lim, NABCEP PVIP - Managing Director

edgar.lim@ugei.com

+1 979 574 6420

Alex Fedyk, NABCEP PVA - Project Coordinator

alex.fedyk@ugei.com

+1 236 795 7009

Ben Rodgers, NABCEP PVIP - Design Manager

ben.rodgers@ugei.com

+1 416 479 8580

Samir Abdul-Sahib, P.Eng. - Senior Design Engineer

samir.sahib@ugei.com

+1 416 309 8715

Ronmar Gonzales, P.E.E. - Engineering Manager

ronmar.gonzales@ugei.com

+63 917 129 9603

WE LOOK FORWARD TO PARTNERING WITH YOU!

TABLE OF CONTENTS

1. Company Background	3
1.1. Our story.....	3
1.2. UGEngineering Leadership.....	3
2. Professional Services	4
3. Representative Project Experience	6
3.1. Project Feasibility.....	6
3.2. Engineering & Design.....	6
3.3. Construction & Commissioning Support	8
3.4. Owner’s Engineer, Financier IE & General consulting	8
4. UGEngineering Team Members and Experience	9
5. Extended List of Previous Experience.....	10

1. COMPANY BACKGROUND

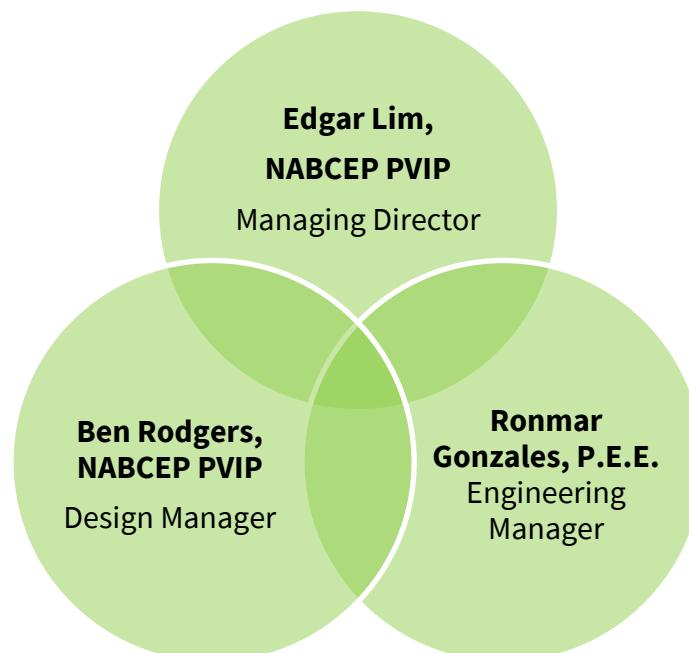
1.1. OUR STORY

Our parent company, **UGE International Ltd.** ("UGE"), was founded in 2008. It was listed on the TSX Venture Exchange (TSXV: UGE) in August 2014, and has offices in New York City, Toronto, and Cebu. Today, UGE is a collection of businesses, all dedicated to providing the world with renewable energy. UGE has a rich history and continues to evolve with the rapidly changing renewable energy industry.

In 2016, UGE entered the Canadian solar market, acquiring Endura Energy, an experienced provider of solar engineering and EPC services. A year later, UGE acquired Carmanah Solar Power Corp's solar engineering and EPC business. Together, the companies added hundreds of megawatts to UGE's history, including some of Canada's first commercial solar projects. While UGE later exited the EPC services market, its engineering group, **UGEngineering**, has leveraged all UGE's collective experience in providing engineering and consulting services to solar clients worldwide.

Now with over 500MW of C&I and utility projects under our belt and 80+ years of direct industry experience, we are one of the leaders in solar + storage engineering globally. Experience has enabled our team with a proficiency of building codes and value engineering. We engineer all our systems from an owner's perspective to ensure they are bankable and optimized for your unique application.

1.2. UGENGINEERING LEADERSHIP



2. PROFESSIONAL SERVICES

UGEngineering is proud to service our clients with an engineering team to develop safe, reliable, and bankable solutions. We offer extensive international experience in the design and engineering of **C&I, and utility scale projects**. The types of projects we have completed include **rooftop, ground-mount & carport solar projects, microgrids, and energy storage**.

Our suite of engineering services includes:

Project Feasibility – We advise all aspects of a project, including complete financial & technical project assessments. We are a trusted advisor for C&I and utility-scale clients with experience executing projects for both domestic and international markets.

- Load Review & System Sizing
- Performance Analysis and Energy Simulations
- Equipment Evaluation
- Site Assessments
- Drone Surveys
- Solar Array Layout and Optimization
- Utility Interconnection Documents (Site Plan, Single Line Diagrams, 3-Line Diagrams)
- Evaluate unique site-specific considerations

Engineering & Design - We take pride in designing safe and reliable code-compliant packages. These drawings permit well to ensure your project stays on schedule. Our team of engineers have substantial experience designing roof and ground-mounted projects with challenging geographies and in unique environments.

- Conceptual Designs
- Issue for Permit Drawings Packages (IFP)
- Issued for Bid/Construction Drawing Packages (IFC)
- DAS/SCADA Design
- Electrical Studies - Grounding, Power Flow, Arc Flash, Short Circuit, Power Conditioning
- Complex Grid Interconnection Design
- Medium Voltage Design



Construction & Commissioning Support – Leveraging our substantial experience, we will work with you to seamlessly reach final completion of your projects and provide detailed close-out/handoff reviews.

- Testing and Commissioning Protocol and Results Review
- As-built Drawing Packages
- Performance Verification
- Closeout Sign-off Documentation
- Operations and Training Plans
- Substantial Completion Punch List Generation and Remediation Verification

Owner’s Engineer, Lender IE, & General Consulting – We partner with Asset Owners and Independent Power Producers (IPPs) to ensure that their systems are engineered to the highest safety and reliability standards. We apply an owner’s eye to all our consulting efforts to ensure your projected ROI is achieved.

- Proposal Document Support and Technical Exhibit Writing
- Proposal Technical Review and Ranking
- Document Review for Compliance
- Construction & Commissioning Management
- Performance Monitoring and Reporting
- Asset Management and O&M Services

3. REPRESENTATIVE PROJECT EXPERIENCE

Market Leading Experience – We have unparalleled experience in designing rooftop and ground mount solar + storage projects globally. In addition to our extensive in-market expertise in the USA, Canada, and the Philippines, we also have international experience including Nigeria, Burkina Faso, and China



3.1. PROJECT FEASIBILITY

Project: Pamnoguin Micro-grid (1.5MWp/2.5MWh) - Burkina Faso
Client: Sodigaz
Role: Feasibility Study, Issued for Tender Package, IFC package

Project: Mojave-Kern County Solar Farm (400MW) - California
Client: Private Developer
Role: Product Due Diligence, and Interconnection Application

3.2. ENGINEERING & DESIGN

Project: Prowind, 4 Project Solar Farm Portfolio (25MW) - New York, USA
Client: Prowind
Role: Issued for Tender Package, Performance Modelling, Code Compliance

Project: PDSB, 29 School Rooftop Portfolio (6.64MW) - Ontario, Canada
Client: Potentia Renewables
Role: IFC Package, Project Management & Commissioning

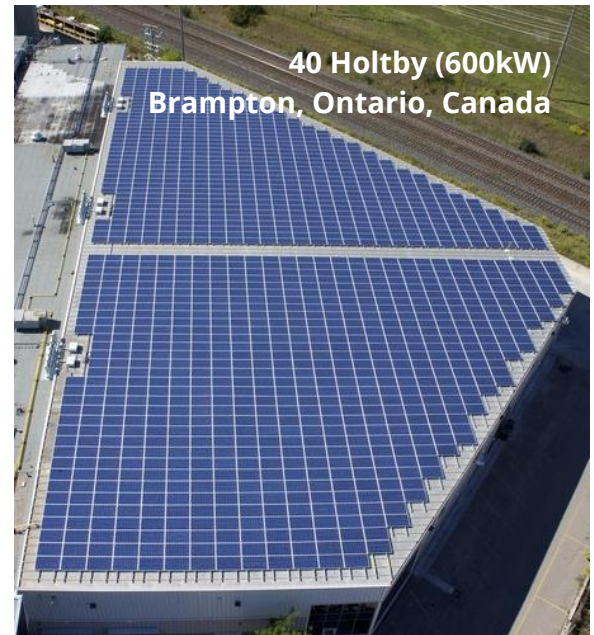
Project: PSWRI Rooftop 3 Project Portfolio (3.95MW) – Philippines
Client: Philippines Spring Water Resources
Role: IFC Package, Project Management & Commissioning

Project: Borno State, 20 Project Mini-grid Portfolio (1MW) - Borno, Nigeria
Client: EMONE
Role: IFC Package, Product Validation

Project: Peavine Community Solar Farm (4.97MW) - Alberta, Canada
Client: Peavine Metis Settlement
Role: Front End Engineering Design, Development of Cost Estimate, EPC Schedule, and O&M program

Project: Ashbridges Bay Rooftop (850kW) - Ontario, Canada
Client: Associated Engineering
Role: Issued for Tender Package, IFC package

Project: M Lhuillier Foods Rooftop Portfolio (259kW) - Cebu, Philippines
Client: M Lhuillier
Role: IFC Package, Project Management & Commissioning



3.3. CONSTRUCTION & COMMISSIONING SUPPORT

Project: Hoods Mill Solar Farm (2.9MW), Maryland, USA
Client: PSI International
Role: Commissioning and Close-out

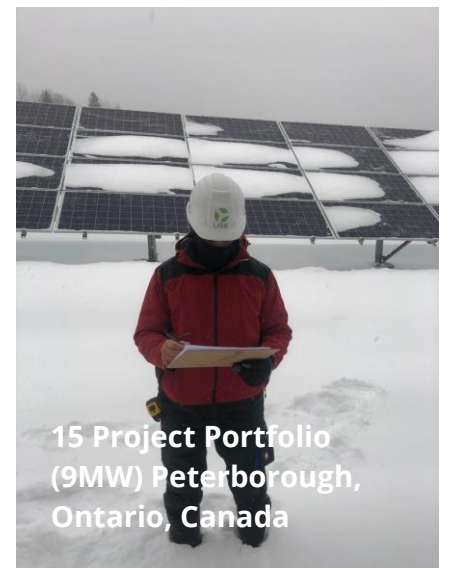
Project: Neo Grande Rooftop (99kW) – Cebu, Philippines
Client: Mark Yang
Role: Commissioning and Close-out

Project: Central Seafoods Rooftop (99kW) – Cebu, Philippines
Client: CSI
Role: Operations & Maintenance

Project: Skills Training Center (71kW) – Ontario, Canada
Client: Durham College
Role: Operations & Maintenance



Hoods Mill (2.9MW)
Woodbine, Maryland, USA



15 Project Portfolio
(9MW) Peterborough,
Ontario, Canada

3.4. OWNER'S ENGINEER, FINANCIER IE & GENERAL CONSULTING

Project: Brooks Solar Farm (17MW), Alberta, Canada
Client: Elemental Energy
Role: Owners Engineer, Project Management and Commissioning Verification



Skills Training Center (71kW)
Whitby, Ontario, Canada

4. UGENGINEERING TEAM MEMBERS AND EXPERIENCE

Our experienced team of registered professional engineers and engineers in training bring together decades of solar expertise. In addition to the current professional and technical certifications held by our team, regular training ensure relevant skills are continuously updated, adding to our overall value:

<i>Site Feasibility Studies</i>	<i>Grounding Plans & Studies</i>	<i>Production Verification</i>
<i>Project Development</i>	<i>Coordination Studies</i>	<i>Performance Monitoring</i>
<i>Project Financial Analysis</i>	<i>Arc-Flash Studies</i>	<i>Repowering Design</i>
<i>Helioscope & PVsyst</i>	<i>Short Circuit Studies</i>	<i>Project Management</i>
<i>HOMER Simulations</i>	<i>Electrical Design Calculator</i>	<i>Equipment Evaluation</i>
<i>Utility Management</i>	<i>Medium Voltage Design</i>	<i>Equipment Procurement</i>
<i>AHJ Submittals & Approvals</i>	<i>Complex IC Strategy</i>	<i>Contractor Bid Review</i>
<i>Electrical Design (DC/AC) Array</i>	<i>Construction Support</i>	<i>And more...</i>
<i>Layout Optimization</i>	<i>Commissioning Support</i>	

Certifications and Solar + Storage Experience:

- Edgar Lim (Managing Director), NABCEP PV Installation Professional, B.Sc. (ME) - 12 years of experience
- Ben Rodgers (Design Manager), NABCEP PV Installation Professional, B.A., M.A. - 20 years of experience
- Samir Abdul-Sahib (Senior Design Engineer), P.Eng., B.Sc. (EE) - 15 years of experience
- Dr. Nima Khoshsirat (Senior Design Engineer), Ph.D., M.Sc (EE), B.Sc (EE), Senior IEEE Member - 5 years of experience
- Andrew Johnson (Development Design Manager) - 10 years of experience
- Earl Baldomaro (Engineering Manager), REE, B.Sc. (EE) - 5 years of experience
- Jeferson Carreon (Design Engineer), REE, B.Sc. (EE) - 2 years of experience
- Ali Shah Babwani (Engineering Associate), MEng. (EE) - 2 years of experience
- Ronmar Gonzales (Engineering Manager), P.E.E., B.Sc. (EE) - 2 year of experience
- Stefannie Toth (Engineering Associate), EIT, B.Sc. (Renewable Energy) - 2 year of experience

“I would like to extend my thanks to you and your engineering team for making our solar project a success. We very much enjoyed working with you and found everyone at UGE a pleasure to work with. All your work, from design verification to the construction documents were beyond our expectations. We will be sure to bring future projects to you for you to help with.”

— Jamie Pilkey, Wattsavers Inc.

5. EXTENDED LIST OF PREVIOUS EXPERIENCE

Client	Project	kWdc	State	Country	Type	Scope of Work	Client Type
Elemental Energy	Brooks Solar (Alberta's First Solar Farm)	17,000	Alberta	Canada	Ground	OE	Utility Client
Sunny Shores LP	Spark Solar	14,000	Ontario	Canada	Ground	Project Engineering	Project Developer
Evergreen Power	Peterborough Utilities	13,200	Ontario	Canada	Ground	Project Engineering	Municipal Client
Sustainable Power	SASCO	9,000	Ontario	Canada	Ground	IE	Project Developer
AGRIS Solar Co-operative	Solar Gardens	7,800	Ontario	Canada	Ground	Project Engineering	Project Developer
Prowind	Eveland	7,110	New York	USA	Ground	Project Engineering	Project Developer
Prowind	Olean	7,110	New York	USA	Ground	Project Engineering	Project Developer
GreenLife	GreenLife	6,600	Ontario	Canada	Ground	Project Engineering	Project Developer
Anvil Crawler	Hay Solar Portfolio	6,300	Ontario	Canada	Ground	Project Engineering	Project Developer
Soventix Canada Inc.	Green Timiskaming	6,300	Ontario	Canada	Ground	Project Engineering	Project Developer
Oya Solar	Oya Solar Minnesota	6,175	Minnesota	Canada	Ground	Project Engineering	Project Developer
Prowind	Batavia	5,690	New York	USA	Ground	Project Engineering	Project Developer
Rural Energy Construction Inc.	Sculler Solar Gardens	5,640	Ontario	Canada	Ground	Project Engineering	Project Developer
Prowind	Sun Valley	5,370	New York	USA	Ground	Project Engineering	Project Developer
Oya Solar	Oya Solar Clarington	4,000	Ontario	Canada	Ground	IE	Project Developer
Hoods Mill	PSI International	2,896	Maryland	USA	Roof	Project Engineering	Corporate Client
ConEdison	5 Site Portfolio in NYC	2,800	New York	USA	Roof	Project Engineering	Utility Client
Asante Energy	Moody Air Force Base	2,460	Georgia	USA	Roof	Project Engineering	Federal
Cleave Energy Holdings Ltd	Cleave Energy	2,418	Ontario	Canada	Roof	Project Engineering	Project Developer

Client	Project	kWdc	State	Country	Type	Scope of Work	Client Type
Enerpro	Bahamas	2,400	Bahamas	Bahamas	Roof	IE	Hospitality Client
Solar Power Network	Solar Power Network	1,800	Ontario	Canada	Roof	Project Engineering	Project Developer
Elle Management	Elle Management	1,800	Ontario	Canada	Roof	Feasibility Analysis	Private Equity Group
Hampstead	PSI International	1,716	Maryland	USA	Roof	Project Engineering	Corporate Client
PSWRI	Bulacan - Nature's Spring	1,410	Bulacan	Philippines	Roof	Project Engineering	Commercial Client
PSWRI	Laguna - Nature's Spring	1,250	Laguna	Philippines	Roof	Project Engineering	Commercial Client
School District in MN	School District - Boeckman	1,208	Minnesota	USA	Roof	Project Engineering	EPC Client
TerraGen Solar	TerraGen Solar IE	1,200	Ontario	Canada	Roof	IE	EPC Client
SunRise Power	SunRise Power	1,188	Ontario	Canada	Roof	IE	EPC Client
EMONE Nigeria	EMONE	1,017	Borno State	Nigeria	Microgrid	Project Engineering	Government Agency
BMW	BMW Microgrid	97.7	Colorado	USA	Microgrid	Project Engineering	Retail Client

HEADQUARTERS - USA

417 5th Ave, Suite 804
New York, NY 10016
Tel: 917 720 5685

CANADA

56 Temperance Street, 7th Floor
Toronto, Ontario M5H 3V5
Tel: 416 789 4655

PHILLIPINES

ASPACE Unit KLM
Crossroads Mall, Gov. M. Cuenco Ave.
Kasambagan, Cebu City
Tel: +63 917 129 9603

www.uge-engineering.com

