



CORPORATE PROFILE

November 2024



OUR TEAM
OF PROFESSIONALS



J. BRIAN BLAHEY

CERTIFICATIONS, REGISTRATIONS & AFFILIATIONS



Principal & Founder
JBB Consultants & Engineers Inc.

EXPERIENCE

30 Years

EDUCATION

University Manitoba
Bachelor of Science, Mechanical

University of Manitoba
Master of Business Administration

PROFESSIONAL AFFILIATIONS

- **P.Eng** - British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Nunavut, Nova Scotia
- **IIAR** - International Association of Ammonia Refrigeration
- **IIR** - International Institute of Refrigeration
- **US Ice Rink Association** – Member
- **ASHRAE** - American Society of Heating Refrigeration and Air Conditioning Engineers
- **MSCEWE** – Manitoba Sub-Committee of Energy Water Efficiency
- **National Energy Code for Buildings (NECB)** - Mechanical Member Manitoba Amendments
- **Department of Labour** - Refrigeration Class I & II Operator Trainer

CERTIFICATIONS

- **CEA** - Certified Energy Auditor (CIET)
- **CEC** - Construction Estimator Certified (CIQS)
- **CRE** - Certified RETScreen Expert (CIET)



PROFESSIONAL REGISTRATIONS



“

Teaming with Experience

- J.B. Blahey, P.Eng
Founder

CORE COMPETENCIES

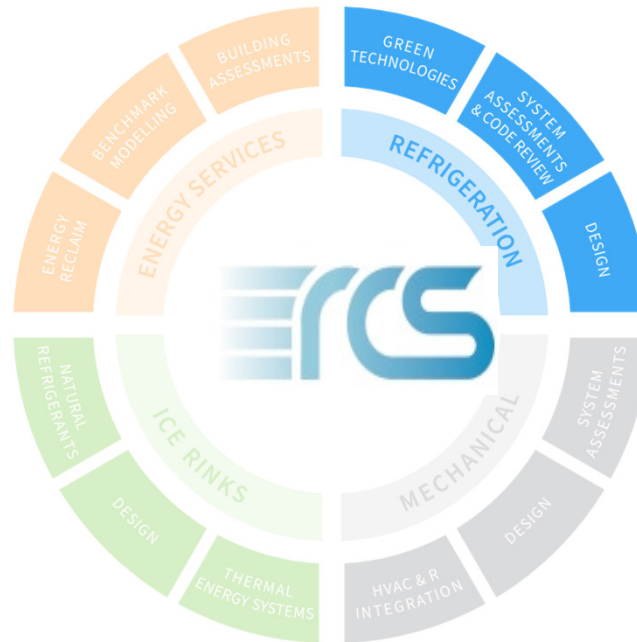


ICE RINKS & RECREATION



- Natural Refrigeration (Co2 & Ammonia) design Services
- Outdoor Pads, Ribbons and Trails
- Co2 Transcritical Direct Floor Technology
- Project and Contract Management
- Schematic Design
- Quantity Surveyor & Cost Analysis
- Class A through D estimating Services
- Commissioning Services (CxAlloy)
- Code Reviews and Reporting
- Full Service Design and Engineering
- Project / Construction Management Service
- Full Cycle Design Services
- International and Municipal Experience
- Design-Build Contractor for 30+ years
- Integrated Design Process
- Provincial Operators Code Knowledge
- CSA B52 Refrigeration Code
- Dasher boards + Glass Refurbishment and Replacements
- As-Built Surveys + Drawing Services
- Retrofits, Chillers, Floors, Engine Room
- Outdoor Machine Houses

REFRIGERATION



- Schematic Design
Industrial Cooler & Freezer storage design
- As-Built Surveys + Drawing Services
Commercial Refrigeration and Warehouses
- Project and Contract Management
Commissioning Services (CxAlloy)
- Technical Integrity + Safety Systems Audits
Code Reviews and Reporting
- Natural Refrigeration (Co2 & Ammonia) Design Services
Project / Construction Management Service
- Full Cycle Design Services

ENERGY SERVICES



- 🌍 Green Energy Systems
- 🌍 Building and System Assessment Reports
- 🌍 Code Analysis and Review Reports
- 🌍 Quantity Surveyor & Cost Analysis
- 🌍 Energy Code Services
- 🌍 Recreational Ice Rinks
- 🌍 Sports Center Recreational Venues
- 🌍 NHL, NBA, CHL & AHL Venue Experience
- 🌍 Energy Audits (ASHRAE Level I through III)
- 🌍 Feasibility Reserve-Fund Studies
- 🌍 Energy Budget Reports & Studies
- 🌍 HVAC& R Integrated Thermal System Design
- 🌍 Life-Cycle Costing Analysis (LCCA)
- 🌍 Comparative Refrigerant Energy Payback

MECHANICAL HVAC & R



-  Schematic Design
-  As-Built Surveys + Drawing Services
-  Project and Contract Management
-  Technical Integrity + Safety Systems Audits
-  Heavy Industrial Ventilation Design
-  Ultra Critical Humidity and temperature
-  Integrated HVAC&R
-  Commissioning Services (CxAlloy)
-  Growth Chamber Design Experience
-  Code Reviews and Reporting
-  Project / Construction Management Service
-  Full Cycle Design Services
-  Deep Industrial Commercial experience
-  Dehumidification Design

**FULL HEAT RECLAMATION AND ENERGY REDUCTION
SYSTEMS**

OUR SERVICES



KEY DIFFERENTIATOR

We are flexible, nimble and quick to assimilate to the requirements and needs of any number of construction delivery methods and cognizant of the deep and earnest needs of all of our clients' their construction and team representatives, stakeholders & leaders as well as our cohorts and other project consultants & designers involved in each project.

RCS Inc Partners are focused on environmentally friendly, energy conscious system design, utilizing natural refrigerants where possible and desired, with specialized expertise in Ammonia and Co2 thermally coupled energy reclamation and recycling integrated systems.

PROFESSIONAL CERTIFICATIONS & AFFILIATIONS



Association
of
Professional Engineers
and Geoscientists
of the
Province of Manitoba

Incorporated March 27th, 1920

This is to Certify that
James Brian Peter Blahey

*has been registered as A Member of the Association of Professional
Engineers and Geoscientists of the Province of Manitoba and
is entitled to practice professional engineering in the Province of
Manitoba in accordance with the provisions of The
Engineering and Geoscientists Professions Act.*

Given under the Corporate Seal of the Association this

Twenty-fifth day of October A.D. 2006

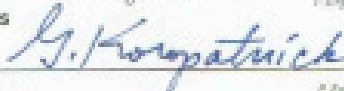
Duplicate of Certificate Issued Sixteenth Day of August A.D. 1994

Certificate No. 6338





D. S. Jayas *P. Eng. President*



G. Koropatnick *P. Eng. Registrar*



Association of Professional Engineers and Geoscientists of the Province of Manitoba
(Operating as Engineers Geoscientists Manitoba)

Incorporated March 27, 1920

CERTIFICATE OF AUTHORIZATION

This is to certify that

JBB Consultants & Engineers Inc.

is hereby authorized to engage in the practice of professional engineering in the Province of Manitoba in its own name in accordance with the provisions of The Engineering and Geoscientific Professions Act.



This Certificate is subject to cancellation in accordance with the provisions of the Engineering and Geoscientific Professions Act and the By-laws of the Association of Professional Engineers and Geoscientists of the Province of Manitoba. The certificate is valid from the date printed on this certificate, to the date shown on the validation sticker affixed.



Certificate No. **5592**

Given under the corporate seal of this Association December 21, 2019

Grent Koropatnick
Grent Koropatnick, P. Eng. PECESG & Registrar




This Diploma Certificate

is to certify that

James Brian Peter Blahy

having complied with the requirements of the

Engineering and Geoscience Professions Act

was on the 6th day of March 2019 admitted and

registered a Professional Member of

**The Association of Professional
Engineers and Geoscientists of Alberta**

and is entitled to practise Professional Engineering within

the Province of Alberta and to take and use the title of

Professional Engineer

In witness whereof the seal has been hereto affixed

as of the 20th day of March 2019



N. Dwyer

*Nina Dwyer, P.Eng., PEC, FGC (Hon.)
President*

F. Nagendran

*Jay Nagendran, P.Eng., M.Sc., QEP, QCE, PEC, FGC (Hon.)
Regional CEO*

APENS - NOVA SCOTIA

Association of Professional Engineers of Nova Scotia



*Incorporated by Act, Chapter 186, May 22nd, 1920,
Amended and Consolidated by Act, Chapter 148, 1991*

This is to Certify that

James Brian Blahey, P.Eng.

of

Winnipeg, Manitoba

was duly registered as a

Member

*on the 28th day of September, 2020
and, as such, is entitled to practice
Professional Engineering in Nova Scotia*

No. 20200457



Crysta Cumming

*Crysta R. R. Cumming, P.Eng.
President*

Paul Mann

*Paul Mann, CD, P.Eng.
CEO and Registrar*

*This certificate is the property of the Association of Professional Engineers of Nova Scotia
and must be returned to the Registrar, on demand*

NAPEG - NUNAVUT

NORTHWEST TERRITORIES AND NUNAVUT ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS



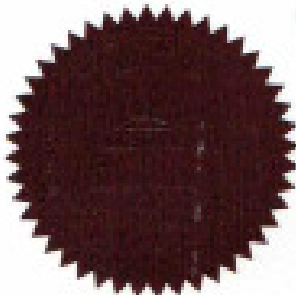
James Brian Peter Blahey

has been registered as a Licensee under the provisions of the *Engineering and Geoscience Professions Act* of the Northwest Territories and the *Engineers and Geoscientists Act of Nunavut* and is entitled to Practice as a

Professional Engineer

In the Northwest Territories and Nunavut Given under the corporate Seal of the Association.

*Given under the Corporate Seal
of the Association in Yellowknife*



Registration Number: L2692

Date of Reinstatement: October 11, 2019

President:

[Signature]

Executive Director:

[Signature]

THIS CERTIFICATE IS THE PROPERTY OF THE ASSOCIATION AND MUST BE SURRENDERED WHEN REQUESTED

THE ASSOCIATION OF

PROFESSIONAL ENGINEERS AND GEOSCIENTISTS

OF THE
PROVINCE OF BRITISH COLUMBIA

CERTIFICATE OF REGISTRATION

ISSUED IN ACCORDANCE WITH THE "ENGINEERS AND GEOSCIENTISTS ACT"

THIS IS TO CERTIFY THAT

James Brian Peter Blahey

HAS BEEN ADMITTED TO MEMBERSHIP UNDER THE PROVISIONS OF THE ACT
AND IS ENTITLED TO USE THE TITLE

"PROFESSIONAL ENGINEER"

IN THE PROVINCE OF BRITISH COLUMBIA
GIVEN UNDER OUR HAND AND SEAL

FEBRUARY 14, 2019



[Signature]

PRESIDENT

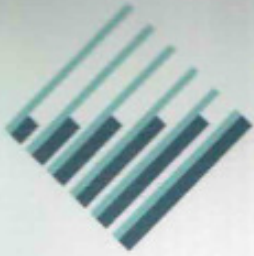
[Signature]

REGISTRAR

REGISTRATION NO. 48587

THIS CERTIFICATE IS THE PROPERTY OF THE ASSOCIATION AND MUST BE SURRENDERED WHEN REGISTRATION CEASES

PEO - ONTARIO



Professional Engineers Ontario

L i c e n c e

Issued under the Professional Engineers Act to

James Brian Peter Blahey

Licence Number: 100540903

who is hereby entitled to practise as a

P r o f e s s i o n a l E n g i n e e r

in the Province of Ontario and who is registered as a member of
the Association of Professional Engineers of Ontario

Given under the Corporate Seal of the Association at the
City of Toronto this:

27th day of May, 2019

Nancy L. Hill P. Eng
President

John Zuccon P. Eng
Registrar

NAPEG - NORTHWEST TERRITORIES

NORTHWEST TERRITORIES ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS

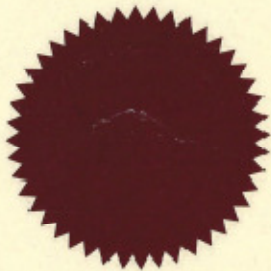
This is to certify that

J. Brian P. Blahey

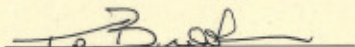
has been registered as a Licensee
under the provisions of the *Engineering and Geoscience Professions Act* of the Northwest Territories and
the *Engineers and Geoscientists Act* of Nunavut
and is entitled to Practice as a

Professional Engineer

In the Northwest Territories and Nunavut
Given under the corporate Seal of the Association



Date of Registration: May 10, 2013
Registration Number: L2692


PRESIDENT


EXECUTIVE DIRECTOR

APEGS - SASKATCHEWAN

The Association of Professional Engineers and Geoscientists of Saskatchewan

This is to Certify that

J. Brian Blahey

*was registered as a Member January 10, 2020 in accordance with The Engineering
and Geoscience Professions Act and is entitled to take and use the title of*

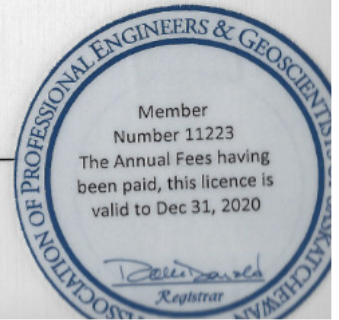
Professional Engineer

*In Witness Whereof We have hereunto affixed the official seal of
The Association of Professional Engineers and Geoscientists of Saskatchewan*



[Signature]
Registrar

[Signature]
President



Certificate No. 11223

A member must attach the annual licence to this certificate.

ASHRAE - Atlanta

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.



THIS IS TO CERTIFY THAT

James Brian Blahey

HAS BEEN GRANTED THE GRADE OF

Member

AND IS ENTITLED TO ALL THE RIGHTS AND

PRIVILEGES AS PROVIDED BY THE

CONSTITUTION AND BYLAWS OF THE SOCIETY

March, 2006

Secretary

President

INCORPORATED
NEW YORK 1895

CIQS - CDN INSTITUTE QUANTITY SURVEYORS



Canadian Institute of
Quantity Surveyors

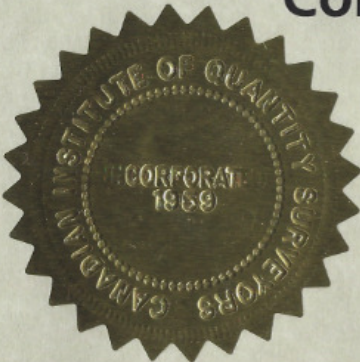
Institut canadien des
économistes en construction

This is to certify that

J. Brian Blahey

having completed the prescribed education requirements and gained the
required technical experience is hereby entitled to use the designation

Construction Estimator Certified (CEC)



Dated this 11th day of May 2018

Certificate Number: CEC1219

Chair

Secretary

Member of Council

This certificate remains the property of the Institute

AEE - ASSOCIATION ENERGY ENGINEERS



CERTIFIED
ENERGY
AUDITOR

The Association of Energy Engineers

CERTIFIES THAT

James (J. Brian) Blahey

has completed the prescribed standards for certification, has demonstrated a high level of competence and ethical fitness for energy auditing, and is hereby granted the title of

CERTIFIED ENERGY AUDITOR

Terry Niehus

CEA Board Chair

Francine Deslin

CEA Certification Director

December 31, 2017

Certification Expiration Date

2201

AWARDED BY:



The Association of Energy Engineers



LEED - LEED GREEN ASSOCIATE



The Learning Resources Network

IN PARTNERSHIP WITH

Canada Green Building Council

HAS CONFERRED UPON

James Brian Blahey

A Certificate of Achievement

LEED Green Associate Exam Preparation

AND VERIFIES THE ABOVE HAS SUCCESSFULLY COMPLETED THIS CERTIFICATE PROGRAM,
HAVING MET ALL THE REQUIREMENTS OF THE PROGRAM AND PASSED ALL THE TESTS AT
THE 80% LEVEL OR ABOVE.

October 2012

3.2 ILUs and 3.2 CEUs are also awarded

A handwritten signature in blue ink that reads "William A. Howe".

President, LERN

THIS CERTIFICATE IS AWARDED BY THE LEARNING RESOURCES NETWORK (LERN),
THE LEADING ASSOCIATION IN CONTINUING EDUCATION IN THE WORLD,
AND ITS SPONSORING COLLEGES, UNIVERSITIES, SCHOOLS, ASSOCIATIONS AND OTHER ORGANIZATIONS.


CO2 ACADEMY - EDE, AMSTERDAM (NL)



This is to certify that
JBB Consultants & Engineers Inc
is a member of



Membership valid 2/1/19 through 1/31/20



Jeff Theiler
Chief Operating Officer



Ray Ferry
President



A program of U.S. Figure Skating and USA Hockey



THE ASSOCIATION OF ENERGY ENGINEERS®



Certifies the admission of

James (J. Brian) Blahey

to the grade of

Member

*in the Association of Energy Engineers, an organization founded
in 1977 to increase and diffuse the knowledge of energy engineering
and promote its practical applications.*

2014



Frank Thumann

Executive Director

Ruth Whitlock

Executive Administrator



The Canadian Institute for Energy Training

certifies that

J. Brian Blahey

has met the prescribed standards for the use of RETScreen Expert,
and is hereby granted the title of

Certified RETScreen Expert

As of December 11, 2018

Mathieu Côté, Executive Director

THE ASSOCIATION OF
ENERGY ENGINEERS®



Awards this certificate to

BRIAN BLAHEY

as having completed

**FUNDAMENTALS OF ENERGY AUDITING
CIET TORONTO
FEBRUARY 18-21, 2014**

2.0 C.E.U

Executive Director



As a leader in the field of Technical Audits, Health and Safety Solutions for Ice Rinks and Refrigerated facilities, Refrigeration Compliance Solutions Canada Inc. (RCS Inc.), its employees, affiliates, sub-contractors, sub-consultants and strategic partners, shall hold at its core, all established, published and mandated Health and Safety and Environment & Pandemic (HSEP) policies and standards at the forefront of what we do, along with applicable in-force civic, provincial & federal health and safety protocols.

RCS Inc. is committed to providing all employees, clients and cohorts a safe and healthy workplace for all those individuals affiliated with our firm. To do so, RCS Inc. has goals and targets to achieve Zero Incidents to people, property and environment, RCS Inc., supports these goals by following the applicable HSEP Program of our clients, that are in line and closely follows all legislated requirements in all regions that we operate and perform our business duties. Employee and sub-consultants/ contractor participation, adherence, belief and willfulness to meet and exceed these policies are paramount to our Zero Incident goal. All our employees and partners must assist to identify, prevent and eliminate workplace hazards and reduce the risk of injury in all workplace scenarios. RCS Inc. is committed to keeping our employees fully informed with regards to procedural, regulatory and industry best practices

RCS Inc. OWNERS, MANAGEMENT AND LEADERS ARE EXPECTED TO:

- ✦ Establish and set a safety-first culture; demonstrating full commitment the client's safety programs as applicable to the work we undertake on their behalf.
- ✦ Provide any required personal protective equipment (PPE) needed to carry our tasks, contractual requirements and deliverables.
- ✦ Ensure all tools, measurement devices and equipment are used and maintained to manufacturers stated requirements and guidelines.
- ✦ Investigate, report any and all accidents, near-misses, incidents and identify and implement corrective as well preventative measures and root cause review to avoid future and repeat incidents.
- ✦ Apply and ensure compliance with required policy, procedures, guidelines and rules that have been adopted to promote Occupational Health and Safety.

RCS Inc. EMPLOYEES AND SUB-CONSULTANTS AND CONTRACTORS ARE EXPECTED TO:

- ✦ Be fully responsible for the company's safety policy, initiatives and follow outlined practices, procedures and legislated requirements.
- ✦ Wear and use all appropriate personal protective equipment as supplied, required and intended.
- ✦ Inform their partners and co-workers of any and all unsafe conditions and as possible, improve and enhance safety measures immediately.
- ✦ Identify and communicate safety hazards to others.
- ✦ Be accountable and responsible for their own individual safety and safety of others within their work places.

As part of this continuous improvement and evolving HSEP Plan, RCS Inc. ownership and senior managers, in line with its core values, goals and strategic vision, are consistently pursuing and enhancing & supporting its efforts to build and develop a superior, industry leading HSEP culture within the company and those that we conduct business with. Together, these steps and all future additions and improvements to our HSEP Policy, any and all mandates by local provincial, federal and international health, will enhance and enable RCS Inc. to meet its goal to remain an incident, accident and injury-free company and continually safe working environment.

J. Brian Blahey, MBA, P.Eng
VP, Secretary, Co-Owner RCS Inc.