



ORGANIZATION OF  
CANADIAN NUCLEAR  
INDUSTRIES

*Clean Energy for a Low Carbon Economy*

# Annual Report 2019



# THE OCNI TEAM

**Ron Oberth**, President and CEO

**Marina Oeyangen**, Director of Operations

**Alison Fernandes**, Manager, Nuclear  
Economic Development

**Ruth Puckrin**, Accounting

**Lauren Lowns**, Communications &  
Community Relations

**Sarina Harrison**, Office Administration



Pictured from left: Lauren Lowns, Marina Oeyangen, Ron Oberth, Ruth Puckrin, Sarina Harrison and Alison Fernandes at the 2019 SNC-Lavalin Suppliers Day.

# MILESTONE



The Organization of Canadian Nuclear Industries (OCNI), the 'leading and trusted voice of the Canadian nuclear supply chain', is proudly celebrating 40 years of serving the nuclear industry in Canada.

This important milestone marks the growth and success of our organization. Since its inception in 1979, the OCNI membership has grown to an impressive 250+ members and annually OCNI hosts over 20 events. These events not only connect those within the nuclear industry but it's local citizens as well.

*Thank you to our members,  
staff and friends in the community for  
40 amazing years!*

## Our Members' Nuclear Products & Services

Advertising, Marketing & Communications  
Business Development & Consulting  
Calibration & Testing Services Measuring & Test  
Equipment  
Chemicals and Related Products  
Contracting & Project Management  
Electrical Equipment & Components (Misc.)  
Engineering Services  
Equipment Qualification & Testing  
Fluid Control Equipment (Valves, Pumps &  
Related Equipment)  
Industrial Maintenance  
Information Technology (Computers, Systems,  
Software)

Instrumentation (Misc.)  
Machining and/or Fabrication (General)  
Material Handling, Packaging & Shipping  
Equipment and Services  
Medical Products & Services (Nuclear)  
NDE  
Nuclear Fuel (Mining, Processing, etc.)  
Radiation Shielding Products  
Raw Materials (Castings, Forgings, Bar, etc.)  
Training and Simulation  
Waste Management Decommissioning

# About OCNi

OCNi is an association of leading nuclear industry suppliers in Canada and abroad. In 2019 we grew to 252 members – our highest membership to date.



**250+** members



**15,000**

highly qualified nuclear specialists employed by OCNi members



**2 offices**

**Pickering Office:**

1550 Kingston Road, Suite 219  
Pickering, Ontario L1V 1C3

**Bruce County Office:**

625 Godrich Street,  
Port Elgin, Ontario N0H 2C0

## STRATEGIC FOCUS AREAS



CONNECTION



CAPACITY



GLOBAL REACH



ADVOCACY

### OCNi VISION:

Lead and strengthen a thriving Canadian nuclear supply chain.

### OCNi MISSION:

Promote the Canadian nuclear industry for the benefit of our members and by offering services that enable members to be successful in the domestic and global nuclear industry.

### OCNi GOAL:

Founded in 1979, OCNi is the leading and trusted voice of the Canadian nuclear supply chain actively promoting the production of safe, reliable and *clean nuclear energy for a low carbon economy*.

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# OCNI President's Message

**OCNI continues to support member companies and Canada's nuclear industry by undertaking initiatives and managing programs/events in our four key focus areas:**



**1. Connection** – Supplier Days and networking events that enable members to meet and learn about the needs and emerging requirements of our domestic customers and to form supplier partnerships that broaden their capabilities;

**2. Capacity** – Seminars and Workshops that inform member companies about emerging demands for services, products new technologies and assist them in building the capacity and capabilities to support Ontario's \$25B life extension projects, Pickering extended operations, Point Lepreau and Chalk River revitalization;

**3. Global Reach** – Market studies and trade missions that enable members to assess offshore opportunities and connect with offshore customers and partners in order to create demand beyond the Canadian life extension projects;

**4. Advocacy** – Local Supplier Engagements that showcase for local, provincial and federal elected officials how the Canadian nuclear industry creates valuable and sustainable jobs in their local communities.

**Here are some of the highlights and major achievements of OCNI over the past year:**

- Completed the "Skilled Trades Employment Pathway to the Clean Energy Sector" (STEP) program under a \$500 K grant from the Ontario Ministry of Training, Colleges and Universities (MTCU) under which we trained and placed 32 pre-apprentices in member companies including 10 young women and eight Indigenous people;
- Became a partner with OPG, EPSCA, the International Brotherhood of Boilermakers in a program at Durham College to recruit, train and place 100 pre-apprentice boilermakers on the Darlington Refurbishment Project;
- Strengthened our Indigenous Engagement Program by retaining Joseph Bastien, of Wiikwemkoong First Nation, to manage the program under the leadership of Mike Ruyseveldt of Six Nations and the Grand River;
- Launched the OCNI "Equal by 30" Program to promote gender balance across the nuclear supply chain and announced the inaugural "Balance is Business" Award for a person who best supported work force diversity;
- Organized a Strategy Session among the OCNI Board and OCNI's major domestic customers (OPG, Bruce Power, NB Power and CNL) to align OCNI programs and initiatives with the needs of our major customers/partners;
- Held an OCNI Board Meeting in New Brunswick after which OCNI Directors engaged with NB Power leaders and the two local advanced SMR developers as part of our strategy to become a more pan-Canadian supplier organization;
- Formed an Integrated Project Delivery (IPD) Task Team chaired by OCNI Director Ahab Abdel-Aziz to help "socialize" the IPD project model – held IPD Workshops with OPG, CNL (Big Room), and a planned Workshop with Bruce Power;
- Continued our very impactful Local Supplier Engagement Program with events in Welland, Burlington, Etobicoke, Concord; Mississauga, Peterborough, Pickering, Paisley and Waterloo;
- Commissioned a three year "International Business Development Strategy" (IBDS) for the Canadian nuclear industry with co-funding from CanExport Associations (formerly Global Opportunities for Associations) and the CNA;
- Launched a project, also with CanExport and CNA co-funding, to develop alliance models through which the Canadian nuclear industry can compete more effectively for large offshore projects;
- Signed an MOU with Bruce Power and Bruce County under which OCNI became a partner in the Bruce Economic Development and Innovation program;
- Led five International trade missions to Romania, France (ITER Project), South Korea and the USA (WMS & SMR);
- Invited and hosted 10 women leaders of the nuclear industry from Europe, Asia and the USA to participate in the Clean Energy Ministerial / Mission Innovation Conference hosted by Canada in Vancouver in May;
- Announced the awards of the first two Martyn Wash Memorial Scholarships to students at Ontario Tech (UOIT).

A handwritten signature in blue ink, appearing to read "Ron C. Oberth".

Ron Oberth  
President and CEO

# OCNI Board Of Directors 2018-2019

**James Gandhi**  
**Chair**  
Aecon Nuclear



**Doug Burton**  
**Vice-Chair**  
DB2 Consulting



**Brian Agnew**  
**Treasurer**  
Mirion Technologies



**Beth Buckmaster**  
**Secretary**  
Hatch Ltd.



**Desiree Norwegian**  
Abraflex (2004) Ltd.



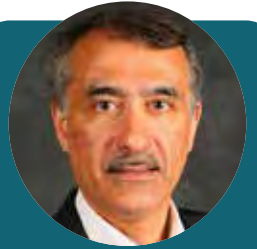
**Doug Brophy**  
AECOM



**Jack Scott**  
Alberici Constructors Ltd



**Narinder Bains**  
ATS Automation



**Jun Tang**  
BWXT Canada Ltd.



**Benoit Parent**  
Cummins Sales and Service



**Ahab Abdel-Aziz**  
Gowling WLG (Canada) LLP



**Yung Hoang**  
Kinectrics Inc.



**Michele Cheng-Newson**  
Lakeside Process Controls Ltd.



Along with the OCNI Board of Directors, OCNI has several Operational Committees to ensure the needs of its membership are met and that the key nuclear industry issues are addressed by OCNI.

## CONNECTION



Bruce Power  
Supplier Day

COG/OCNI MCR/Refurb Workshop

Annual General  
Meeting & Conference



Strategy Session w/  
Bruce Power, OPG,  
NB Power and CNL



OCNI Christmas  
Luncheon

## CAPACITY



G4SR-1 Conference in  
Ottawa

IPD Task Team  
formed

HU Program for Tier  
2/3 Suppliers

CSA/OCNI N285.0.1  
Workshop



STEP Program Completed

## GLOBAL REACH

Trade Mission to  
Romania



WM Symposia



ITER Business Forum

## ADVOCACY

Hydrogen Project at  
Bruce County Council

Hill Day

Supplier Event  
Terrestrial Energy



Toronto Global  
Forum

CNA  
Conference

Q1

Q2



OCNI Advanced  
Manufacturing  
Workshop



OCNI Golf  
Tournament

OPG Supply Chain  
Forum

OPG Pickering Suppliers  
Day & Workshop



Westinghouse  
Suppliers Day



OPG Darlington Suppliers  
Day & Workshop



CNL Pre-Event  
Dinner & Industry  
Day



Boilermarkers Pre-  
Apprenticeship Program

FNMI Engagement  
First Newsletter



OCNI Summer Student  
Brighton Johnston at the  
Saugeen Golf Tournament

International SMR & Advanced  
Reactor Summit



South Korea  
Trade Mission



Incoming Argentina Delegation



Incoming  
French Delegation



CEM Conference

CRPA  
Conference

CNS  
Conference



Supplier Event  
Rolls-Royce



Women in Nuclear  
Conference

Q3

Q4



**6** Supplier Days

**4** Networking events

**8** OCNi/Utility Innovation Workshops

## **Strengthen Linkage between OCNi suppliers and utilities/customers**

OCNi organized six successful supplier events over the year at SNC-Lavalin, Bruce Power, OPG Pickering, Westinghouse, Canadian Nuclear Laboratories and at the Darlington Energy Complex. These events especially benefit our smaller suppliers in showcasing new and innovative products to engineering, maintenance, and procurement staff at our major customer sites.

In a successful and ongoing initiative, OCNi worked closely with the CANDU Owners Group (COG) in organizing a series of one-one innovation workshops. The COG/OCNi Workshop on MCR and Refurb Innovation in November featured sessions on innovations, lessons learned and 3D printing of nuclear components in major component replacement and refurbishment both at Bruce Power and OPG.

The OCNi Board held a one-day strategic planning session with our four domestic customers to help us better understand our customers priorities and ensure that OCNi program and services for members are aligned to the needs of our customers. The discussions resulted in five key outcomes/actions: Integrated Project Delivery (IPD) Models, Supplier Capability and Capacity, Advocacy, Beyond Refurbishment/MCR and Supply Chain Localization.

Following a very successful meeting on July 8 in Saint John among NB Power Executives and the OCNi Board, Ron Oberth participated in the ARC Nuclear Canada Supplier Forum in Saint John on September 12. The New Brunswick Energy Minister and the MP for the local riding spoke enthusiastically about making New Brunswick a hub for advanced reactor technologies and related infrastructure - by moving quickly. OCNi suppliers with a local presence that are teaming/supporting ARC Canada (AECOM, Worley Canada, ES Fox) participated along with local suppliers, CNSC and ExDev Agencies.

Finally, the Annual OCNi Golf Tournament in June and the OCNi Christmas Lunch bring our members together in a social setting and remind us that business and friendship go hand in hand. OCNi donations through fund-raising at these events support local charities to assist those less fortunate than us.



# OCNI SNAPSHOTS



Presentation during the 2018 SNC-Lavalin Suppliers Day in October.



AGM Keynote Speaker Mike Rencheck, President & CEO Bruce Power.



OPG Pickering Suppliers Day opening remarks by Frank Guglielmi, Deputy Site Vice President, Pickering Nuclear, OPG.



Bruce Power Suppliers Day, November 2018.



2019 OCNI Golf Tournament, Best Foursome.



2019 Westinghouse Suppliers Day. Opening remarks by Eddie Saab, President, Westinghouse Canada.



Cheque presentation to the Durham Hospice at the 2019 OPG Darlington Suppliers Day.

## HIGHLIGHTS

### October – December 2018

- SNC-Lavalin Suppliers Day
- COG/OCNI Refurbishment/MCR Workshop
- Bruce Power Suppliers Day
- Annual General Meeting & Conference
- OCNI Christmas Luncheon

### January – March 2019

- Board Strategy Session w/ Bruce Power, OPG, NB Power and CNL

### April – June 2019

- OPG Supply Chain Forum
- OCNI Golf tournament
- OPG Pickering Suppliers Day & Innovation Workshop

### July – September 2019

- Westinghouse Suppliers Day
- OPG Darlington Workshop & Suppliers Day
- CNL Pre-Event Dinner & Industry Day



- 1 FNMI Engagement Newsletter
- 2 Integrated Project Delivery (IPD) Workshops
- 2 OCNi/COG/CSA Workshops

## **Increase Supplier Capacity for Domestic and International Projects beyond Refurbishment / MCR**

As part of the G4SR-1 Conference in Ottawa in November, OCNi and CNL hosted a SMR Developer/Component Supplier “Speed-dating” Session. Twelve leading SMR Vendors met one-on-one with 20 OCNi suppliers to discuss how they could supply equipment and services to support the deployment of SMR’s and vSMR’s in demonstration projects at CNL Sites and in commercial on-grid/off-grid applications of SMR’s.

OCNi and COG hosted a Focus Group Session on December 6 to seek input and advice from Tier 2/3 suppliers on their needs for HU programs that align with the nature of their business. COG will incorporate the SME Focus Group outcomes in to a new COG document that will be made available to all OCNi members: *“Principles and Guidance on Metrics for Monitoring Human Performance Excellence at Vendor Controlled Locations.”*

As actioned at the OCNi Strategy Session, OCNi formed an Integrated Project Delivery (IPD) Task Team chaired by Ahab Abdel-Aziz with OPG, BP and CNL along with several suppliers (ATS, Aecon, SNC-Lavalin, Hatch, Bird Construction and Plan Group). The Task Team held two successful Workshops at OPG and CNL. OCNi has created a “Virtual Library” for IPD documents.

OCNi hosted an informative seminar on Advanced Manufacturing in April. Metal Additive Manufacturing, or 3D printing, offers the possibility to produce complex parts without the design constraints of traditional manufacturing routes. The Canadian SMR Roadmap calls for the Canadian Nuclear Industry to look at advanced manufacturing as means to reduce SMR capital costs.

OCNi became a partner in the Boilermakers Pre-Apprenticeship Program, along with OPG, International Brotherhood of Boilermakers (IBB), EPSCA and Durham College. The program was launched on April 29 with a ceremony at Durham College to address a potential skills shortage on the area of the Darlington Refurbishment Project.

OCNi’s First Nations, Métis, Inuit (FNMI) Engagement Program under the leadership of Mike Ruyseveldt of Promotion contracted Joseph Bastien to be the OCNi Indigenous Engagement Liaison Consultant. OCNi has started work toward its PAR (Progressive Aboriginal Relations) Certification and held Indigenous Cultural Awareness Training for staff and Directors in July.

OCNi and CSA organized a workshop in April to assist member companies on the new developments with the N285.0.1 standard and the general requirements for pressure retaining systems and components.

# OCNI SNAPSHOTS



Boilmaker apprentices, representatives from Durham College, OPG, IBB and OCNI gathered at Durham College on April 29th to celebrate the inaugural three-week program.



OCNI Indigenous Summer Student Brighton Johnston at the Networking Breakfast Registration.



OCNI/CNL hosted a Supplier Speed-dating Session in Ottawa.



The inaugural OCNI Indigenous Engagement Quarterly Newsletter issued in August.



OCNI Staff and Board Members participate in the Indigenous Cultural Awareness Training in July.

## HIGHLIGHTS

### October - December 2018

- G4SR-1 Conference; OCNI/CNL Speed-Dating Session
- HU Program for Tier 2/3 Suppliers

### January – September 2019

- IPD Task Team
- Advanced Manufacturing Seminar
- Skills Catalyst Fund – STEP Program Completion
- CSA/OCNI N285.0.1 Workshop
- Boilmakers Pre-Apprenticeship Program
- FNMI Engagement Program

### Future Supplier Capacity OCNI Supports

- Martyn Wash Memorial Scholarships (2)
- Boilmakers Apprenticeship at Durham College
- Yearly bursary program awarded to Engineering Students in four universities
- Yearly bursary program awarded to Skilled Trades Students in six colleges





- 5** Trade Missions Abroad
- 2** Incoming Trade Missions
- 1** MOU Signed by Canada and ROMATOM

## **Develop International Opportunities for OCNi Companies**

OCNi led a successful trade mission of 11 companies to Romania for a four-day mission from October 29 - November 1. This mission was highlighted by the signing of a new three-year MOU between OCNi and ROMATOM at the Canadian Embassy Reception on October 30th.

As part of a discussion with Prince's Trust Canada Ron Oberth, along with Mike and Carol Rencheck, participated in Prince's Trust week in London including dinner at Buckingham Palace with HRH. This event was coordinated with meetings with UKNIA, Canadian High Commission and Urenco/U-Battery in London.

OCNi led a delegation of nine suppliers, OPG and UNENE to the ITER Business Forum in Entebes France in March. The ITER Organization (IO) hosted the Canadian delegation for a private tour and meetings at the ITER Site on March 25 - sending a strong signal that the IO believes that Canada can make important contributions to the ITER project. Development of a Nuclear Cooperation Agreement (NCA) between ITER and Canada is underway and could be signed in early 2020 to enable transfer of tritium-related technologies to ITER.

In March, Marina Oeyangen led a Trade Mission of eight OCNi companies along with NWMO, CNSC, NRCan and CNA to the Waste Management Conference in Phoenix, AZ at which Canada was featured.

Canadian contingent including utilities, CNSC and NRCan joined the OCNi Trade Mission to Atlanta in April signaling that Canada is primed and ready to move forward with SMR projects at a Chalk River site and in New Brunswick.

OCNi led a successful Trade Mission to South Korea in May with GOA funding to explore and develop opportunities in the South Korean decommissioning market - on the heels of a visit of KHNP officials to Canada last December.

Following a competitive process, a contract to develop and socialize "Collaborative Structural Models for Team Canada Consortia" was awarded to the team of Strapolec/MZ Consulting/Bucephalus on August 12. This project will be undertaken in collaboration with CNA with majority funding by CanExport Associations (formerly GOA).

In September, OCNi supported Business France in organizing visits to OPG and Bruce Power for a delegation of 15 French companies along with the French supplier association AIFEN/GIN.

# OCNI SNAPSHOTS



Canadian delegation (representing OCNI, ATS Automation, OPG, Rolls Royce, MDA, Canadian Nuclear Laboratories, Tyne Engineering, Laker Energy Products, SNC-Lavalin, Promotion Nuclear and UNENE) with Trade Commissioner Denis Trottier (fifth from the left) greeted by ITER Director General Dr. Bernard Bigot (back row third from the right).



OCNI Delegates at the Canada booth in South Korea for the Korea Atomic Power Annual Conference.



Delegates at a Dinner Reception in Phoenix, AZ for the Waste Management Conference in March.



The incoming French Delegation pictured at a presentation at Bruce Power in September.



Marina with Marcelo Salvatore, Director for Nuclear Technology Assessment within the Argentina Ministry of Energy at the SMR & Advance Reactor Summit in Atlanta.

## HIGHLIGHTS

### October – December 2018

- Romania Trade Mission

### January – September 2019

- WM Symposia
- ITER Business Forum
- International SMR & Advanced Reactor Summit
- South Korea Trade Mission
- Argentina Delegation Visit
- French Delegation Visit



## **5** Federal, Provincial & Local Government Engagements **10** Local Supplier Engagement Events

### **Pro-active Government and Public Advocacy for Nuclear Power in coordination with the Ontario Nuclear Advocacy Committee including, Bruce Power, OPG, CNA, OCNl, Unions and major suppliers**

OCNI's Local Supplier Engagement Program continues to be a key component of the Ontario Nuclear Advocacy (ONA) program. Supplier events were held at Terrestrial Energy in Oakville, ASW Steel in Welland, Laveer Engineering in Burlington, Lakeside Process Controls in Mississauga, Rolls-Royce Civil Nuclear Canada in Peterborough, Sartrex Power Control Systems Inc. in Thornhill, Abraflex (2004) Ltd. in Paisley, ANRIC Enterprises Inc. in Etobicoke, UCC Industries International in Pickering and EXO Insights in Waterloo.

OCNI and CNL supported the Hydrogen Business Council (HBC) in a presentation to Bruce County's Economic Development Committee on October 18. The HBC proposal was accepted by the Committee who actioned staff to work with HBC in developing applications to secure government co-funding for hydrogen demonstration projects at Bruce.

OCNI participated in the CNA Hill day to meet with Members of Parliament on October 30 and the Queen's Park Day on November 21. OCNI sent two people, Desiree Norwegian of Abraflex and Bharath Nagia of NPX, for Queen's Park Day at which the focus was on women and youth.

Canada hosted the Clean Energy Ministerial/Mission Innovation (CEM10/MI4) in Vancouver in May. This international event hosted Energy Ministers for 25 countries along with an Innovation Showcase. CNA and OCNI co-hosted a side event during CEM10/MI4 "Women and Young Leaders Talk Nuclear" that discussed innovative ways to deploy nuclear technologies both domestically (mining remote communities) and internationally to support a low carbon future.



**Local Supplier Engagement event at Abraflex (2004) Ltd. on June 14, 2019.**



**Local Supplier Engagement event at UCC Industries International on September 6, 2019.**



# OCNI SNAPSHOTS



Ron delivering concluding remarks at the afternoon Plenary Sessions at the Toronto Global Forum.



OCNI Staff and Board Members took a tour of the Darlington Energy Complex in March 2019.



Sarina Harrison with OCNI Board Member Brian Agnew (right) and Mirion Technologies' Ralph Bose (Left) at the 2019 CRPA Conference.



Marina Oeyangen speaks with The Honourable Amarjeet Sohi, Minister of Natural Resources, at the 2019 CNA Conference in Ottawa.



OCNI and CNA co-hosted a side event "Women and Young Leaders Talk Nuclear" in Vancouver during the Clean Energy Ministerial (CEM) and Mission Innovation (MI) Ministerial in May. The panellists talked about the importance of lifting up the careers of women and young professionals for a successful future of new nuclear.

## HIGHLIGHTS

### October – December 2018

- Bruce Hydrogen Business Council (HBC)
- Hill Day with WiN / CNA
- Local Supplier Engagement Event (*Terrestrial Energy*)
- Toronto Global Forum

### January – September 2019

- CNA Conference
- Clean Energy Conference Ministerial
- Canadian Radiation Protection Association (CRPA) Annual Conference
- CNS Conference
- Local Supplier Engagement Events (*ASW Steel, Laveer Engineering, Lakeside Process Controls, Rolls-Royce, Sartrex Power Control Systems, Abraflex (2004) Ltd., ANRIC Enterprises Inc, UCC Industries, EXO Insights*)
- Women in Nuclear Conference

- 2** Job Fairs & Information Sessions
- 6** Networking events (Talk Tuesdays)
- 10+** Charity and Regional Economic Development Events

**Bruce Power, Bruce County and OCNI signed a five-year MOU on May 2 to include OCNI as an equal partner in the Bruce Nuclear Economic Development and Innovation Initiative. Under the MOU a Manager of Nuclear Economic Development and Innovation was named for OCNI's Port Elgin office.**

OCNI's Bruce Office continues to have a strong presence in Bruce County and with Bruce Power. OCNI's Alison Fernandes was named the Manager of Nuclear Economic Development and Innovation. In July, Alison supported the Bruce Power "New Supplier/Supplier Partnering" Session and received accolades from Mike Rencheck, President and CEO, Bruce Power for her efforts.

The Ontario Nuclear Innovation Institute began operating out of OCNI's Port Elgin office in January. The Nuclear Innovation Institute (NII) is Canada's leading-edge nuclear research facility and centre of excellence for talent development and business innovation. NII announced in June it's intention to expand it's footprint in Bruce County and lease a site of their own. As OCNI and NII are aligned with common objectives of promoting innovation and economic development in the Bruce Region the two organizations have agreed to share new office space in Port Elgin. OCNI therefore will be subleasing our 625 Goderich Street office in January 2020.

OCNI and member companies participated in and sponsored the 2019 Gran Fondo Lake Huron bike tour that raised \$170,000 for the Saugeen Memorial Hospital Foundation.

On August 21, 2019 members of Bruce Power's Indigenous Relations Supplier Network visited Neyaashiinigmiing to tour the community, and hear about the Nawash Housing project and the Ice Rink initiative.

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**"It is the opportune time to expand our partnership to include OCNI. The expertise, services and support they provide to the regional nuclear supply chain will enhance our ability to continue to grow this initiative, while encouraging more suppliers to establish a presence in our communities."**

***James Scongack,  
Executive Vice President, Corporate Affairs & Operational Services,  
Bruce Power***

# OCNI SNAPSHOTS



James Scongack, Bruce Power's Executive Vice President, Corporate Affairs & Operational Services, Mitch Twolan, Bruce County Warden and Ron Oberth signed a Memorandum of Understanding in May, 2019.



OCNI Director Desiree Norwegian and OCNI's Alison Fernandes attend the Saugeen Job Fair.



OCNI and Bruce Power hosted a Career Fair & Information Session in October.



Bruce Power sponsored a build day at the Neyaashiinigiing Habitat for Humanity Build Site. Staff from OCNI, ES Fox, and Abraflex took part.



Bruce Power CEO Mike Rencheck presenting a cheque for \$170,000 to Tracy Murray, Executive Director of the Saugeen Memorial Hospital Foundation.

## HIGHLIGHTS

### October – December 2018

- OCNI / Bruce Power Career Fair & Information Session

### January – September 2019

- Saugeen and Nawash Job Fairs
- Bruce Power, Bruce County & OCNI MOU
- Innovation Showcase
- Habitat for Humanity Build at Nawash
- National Indigenous People Day
- Saugeen First Nation Food Bank Golf Tournament
- Gran Fondo Lake Huron
- Handbags for Hospice Gala in support of the Tiverton Hospice





# Skilled Trades Employment Pathway to the Clean Energy Sector (STEP)

**133** STEP Applicants

**4** Nuclear-101 Training Courses

OCNI is proud to have received a grant of nearly \$500,000 from the Ontario Government's "Skills Catalyst Fund" to help address a pending shortage of skilled trades when the \$25B Darlington and Bruce Life Extension projects reach their peak demand for trades in 2022 to 2024.

The overall scope of the project was to launch an outreach, talent acquisition, and industry educational training program attracting unemployed and underemployed youth, Indigenous and women to trade apprenticeships with the goal of offering career pathway guidance and placement of S.T.E.P program graduates and applicants to employment opportunities.

During the one-year pilot project we researched, assessed star apprentices and developed an effective skills-based training program followed by an extensive outreach and skilled trades campaign ending in the collection of 133 applicants interested in learning more about the STEP training program. Following the fourth and final 3-week training program we were still receiving inquiries and applications on a regular basis although no further funding was available to implement additional class-room based training.

OCNI contracted with the CNS to deliver four Nuclear-101 training courses (August 29/30, 2018, October 25/26, 2018, January 21, 2019 and February 20/21, 2019).

The course continued to provide information to help young adults:

- Get a picture of what it is like to work in a nuclear facility, and where you could fit in that picture.
- Feel comfortable with concepts such as energy and radiation and nuclear wastes.
- Understand the precautions that are taken to protect the employees and the public.
- Understand the role that nuclear energy can play in curtailing climate change.
- Understand that there is more to nuclear than just the generation of electricity.
- Bust myths about nuclear.
- All in all, be better prepared for a career in nuclear.



**STEP Session 1 Graduates in October, 2018.**



**STEP Session 3 Graduates in January, 2019.**



**NUCLEAR  
CAREERS**

OCNI launched an outreach and talent acquisition portal for attracting unemployed youth and job seekers to the nuclear industry in December 2018.

The “Nuclear Careers” site creates awareness of the skilled trades and technical jobs available in our industry.

The demand for qualified candidates to fill positions required in the Nuclear sector is expected to grow in the near and long-term future as Ontario increasingly relies on secure, low-cost, low-carbon sources of energy. Traditional sources of supply for trades in the Nuclear sector may not be sufficient to meet this demand. Therefore, there is a growing need to source the talent supply needed from non-traditional demographics such as youth, women, and Indigenous groups.

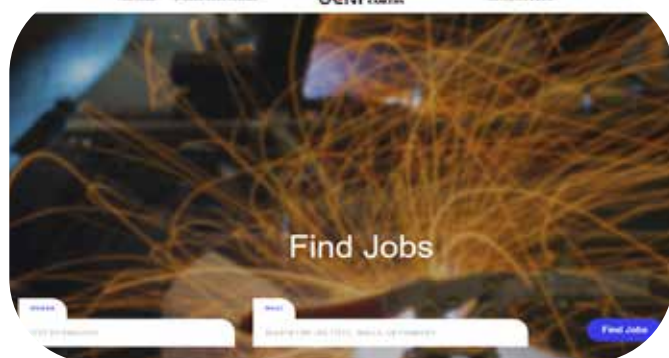
The “Nuclear Careers” site will assist OCNI and member companies in matching underemployed youth, women and Indigenous peoples with apprenticeships and “on the job learning positions” in the nuclear supply chain.

Features of “Nuclear Careers” site:

- a) students can post their resumes and job interests and
- b) member companies can post job postings

The site matches the students/job-seekers with jobs - so both students/job-seekers and employers will get “matches” based on the information posted. The Site is dynamic with new entries and removals i.e. jobs filled or job-seekers off the market and currently includes live job postings from Ontario Power Generation and SMEs.

**Thank you for using nuclearcareers.ca**



# OCNI MEMBERS YEAR IN REVIEW

OCNI members are playing increasingly important roles in ensuring the safe and on-time/on-budget delivery of four Darlington Refurbishment Projects and six Bruce Major Component Replacement Projects over the next 15 years. With support from Ontario Power Generation and Bruce Power, OCNI organized a series of events at suppliers across Ontario to recognize successful Refurbishment Project/MCR deliveries as well as innovations, a technology license agreement, and partnerships with academic institutions.

## Terrestrial Energy

October 26, 2018



Terrestrial Energy is integrating a series of unique innovations to create the Integral Molten Salt Reactor, or IMSR®. The IMSR® uses a liquid nuclear fuel, a molten salt. Terrestrial Energy has applied to construct a demonstration plant at the Chalk River Site.



## ASW Steel

February 15, 2019

ASW Steel received nuclear certification to supply steel for refurbishment projects. ASW Steel is a premier specialty steel-making facility that over its history, was at the center of many technological advancements. ASW was also prominent among suppliers of specialty steel to the first Candu nuclear programs.



## Laveer Engineering

February 15, 2019



Laveer supplies engineering services to support the Canadian and US nuclear power generation market. Over the last few years, Laveer has established a growing demand for its niche services resulting in an increase in staff, client partnerships and expansion of office space.



## Lakeside Process Controls

April 12, 2019

This event at the Lakeside office in Mississauga celebrated not only Lakeside's recognition as one of Canada's Most Admired Workplace Cultures, but also its important contributions to the Canadian nuclear industry as well as the high value and sustainable jobs it has created in the local community.



## Rolls-Royce Civil Nuclear Canada

April 26, 2019



Rolls-Royce is a key supplier to the reactor refurbishments at both Darlington and Bruce, and is also instrumental to important waste management initiatives at CNL's Chalk River Laboratories. This event celebrated Rolls-Royce's accomplishments, current initiatives and upcoming contributions to the industry.







## Sartrex Power Systems Controls

June 10, 2019

Sartrex is a high-tech scientific instrumentation company, supplying custom designed control and safety instrumentation to nuclear power plants including OPG Darlington, OPG Pickering, Military and other related markets worldwide. This event celebrated Sartrex's achievements and the local benefits in job growth in Concord.



## Abraflex (2004) Ltd.

June 14, 2019

Abraflex is the first Aboriginal business in Canada to be awarded a license from the Canadian Nuclear Safety Commission showing trust in Abraflex' Safety mindedness. Abraflex is currently the exclusive supplier of the Mark III Plastic suit for Bruce Power



## ANRIC Enterprises Inc.

July 23, 2019

OCNI was proud to congratulate ANRIC Enterprises Inc. on their contributions to the Ontario and offshore nuclear industries over the last 25 years in consulting and training. OCNI commends ANRIC founder Richard Barnes on his receipt of the ASME Melvin R. Green Codes and Standards Medal in late 2018.



## UCC Industries International

September 6, 2019

UCC Industries International is a leading supplier to the Canadian nuclear industry and has been the number one choice for genuine Unistrut Metal Framing and Lindapter Steel Connections for 20+ years. They house a recently expanded 18,000 square ft warehouse & celebrated expansion into the U.S. market.



## EXO Insights

September 24, 2019

OCNI was proud to congratulate EXO Insights for supplying high-tech industrial safety training to Ontario Power Generation and Bruce Power and their associated contractors. EXO Insights helps global energy companies uncover the full performance potential of their workforce using EXO's Biometric VR/AR solutions.



**OCNI is proud to support a strong nuclear industry and showcase our booming supply chain. Congratulations to our members on a productive 2019!**

**252** members at year-end compared to 242 at the previous year-end  
**13** members in Quebec and New Brunswick  
**7** members in western Canada  
**18** International members

## Financial Health

OCNI continues to demonstrate revenue growth and sound financial management. Total revenue increased to \$2.12M in 2019 compared to \$1.7M for the prior year. Our expenses exceeded our revenues for the year as OCNI committed funds to support our Port Elgin Office, increased spending on our Indigenous Engagement program, co-funded development of a comprehensive International Business Development Strategy for the Canadian nuclear industry and invested in a boilermakers pre-apprenticeship program at Durham College to address a critical skills need on the Darlington Refurbishment Project.

OCNI's financial health (\$1M in net assets) enabled us to create a General Reserve Fund of \$850,000 as an internally restricted fund for use in the event of unexpected operating losses, one-time unbudgeted costs or wind-up obligations.

## Corporate Citizenship

OCNI is proud to have made cash donations and in-kind support in some cases to the following local charities and communities over the past year:

- Algonquins of Pikwakanagan First Nation
- Durham Region Hospice
- Habitat for Humanity Durham Inc.
- Hearth Place Cancer Support Centre
- Huron Shores Hospice
- Kabaeshiwim Respite Women's Shelter
- Nawash community
- Ontario Shores Foundation for Mental Health
- Saugeen Memorial Hospital Foundation
- Simcoe Hall Settlement House
- Wounded Warriors
- Yonge Street Mission

## Scholarships and Student Bursaries

To ensure the sustainability of our nuclear industry OCNI supports scholarships and bursaries for students in nuclear engineering and skilled trades programs at the following institutions:

- Ontario Tech (two Martyn Wash Memorial Scholarships)
- McMaster University
- University of New Brunswick
- Conestoga College
- Durham College
- Fanshawe College (Huron/Bruce Region Indigenous Student Scholarship)
- Georgian College
- Loyalist College (Indigenous Skilled Trades Bursaries)
- Mohawk College
- Sheridan College



**Evan Wash with Martyn Wash Memorial Scholarship recipient Michele Hoffmann.**



## OCNI Financial Report for the Year Ending September 30, 2019

(In Thousands of Dollars Canadian)	2019	2018
<b>Revenue</b>		
Membership Fees	\$566	\$555
Event Revenue	\$785	\$724
Trade Missions - Govt. Funding and Participant Fees	\$269	\$146
Skills Development Program	\$306	\$149
Port Elgin Office Expense Recovery	\$77	\$27
Grants and Sponsorships	\$60	\$80
Canadian Nuclear Law Organization Support Fee	\$15	-
Investment Income	\$40	\$15
	<b>\$2,118</b>	<b>\$1,696</b>
<b>Direct Costs</b>		
Event Costs	\$364	\$332
Trade Mission Costs	\$297	\$145
Skills Development Program	\$306	\$149
	<b>\$967</b>	<b>\$626</b>
<b>Expenditures</b>		
Salaries and Benefits	\$528	\$446
Communications and Govt Relations	\$119	\$103
Indigenous Engagement	\$41	\$18
Market Studies	\$30	-
Accounting, Legal, Insurance	\$43	\$31
Sponsorships, Memberships and Donations	\$42	\$63
Scholarships and Bursaries	\$21	\$19
Travel and Conferences	\$69	\$49
Office Rent, Suppliers and Printing	\$120	\$94
Contract Services	-	\$24
Bank & Merchants Charges	\$25	\$20
Port Elgin office representative	\$96	\$50
AGM and Amortization	\$18	\$39
	<b>\$1152</b>	<b>\$967</b>
<b>Excess (Deficiency) - before special project</b>	<b>(\$1)</b>	<b>\$103</b>
Boilermakers Program at Durham College	(\$36)	\$0
	<b>(\$37)</b>	<b>\$103</b>
<b>Net Assets</b>	<b>\$999</b>	<b>\$1,037</b>



# 2019 Member List



## A - D

3M Canada Company  
A & C Tool Inc.  
ABB Inc.  
Abraflex LTD.  
Aberfoyle Metal Treathers Ltd.  
Acier Inoxydable PinAcle/PinAcle  
Stainless Steel  
Acuren Nuclear Services Inc.  
Advanced Measurement & Analysis  
Group (AMAG)  
AECOM Canada Ltd.  
Aecon Nuclear  
AeroTek Manufacturing Ltd.  
Aerotek ULC  
Aggreko  
Ahlberg Cameras AB  
Alberici Constructors, Ltd.  
Alithya  
Alps Welding Ltd.  
AlumaSafway  
Amidyne Solutions  
ANRIC Enterprises  
Anvil International, LLC  
APTIM Canada Services Corporation  
ASI Group Ltd.  
ASW Steel Inc.  
ATS Automation  
Avatara Software Inc.  
Avensys Solutions  
Aveva Inc.  
Avion Technologies Inc.  
AZZ / NLI  
Baker Hughes (GE) - Bently Nevada  
B.C. Instruments  
BCS Inc.  
Benchmark Maintenance Services Inc.  
BFC Technologies Inc.  
BHI Energy Canada Inc.  
Big Red Oak  
Bird Construction  
Black & McDonald  
Bluedrop Learning Networks  
Brotech Precision CNC Inc.  
Bucephalus Inc.  
BWM Industrial Automation  
BWXT Canada  
Cahill Constructors Limited  
Cambridge Materials Testing Limited  
Cameco Corporation  
Camfil Canada Inc.  
Canada Forgings Inc. (CanForge)  
Canada Metal North America Ltd.  
Canadian Nuclear Laboratories (CNL)  
Canadian Nuclear Partners  
Canadian Power Utility Services Limited  
Canadian Radiation Protection  
Association (CRPA)  
Cavendish Nuclear  
CB Automation Inc.  
CCN  
Central Machine & Marine Inc.  
CIMS Limited Partnership  
City of Owen Sound  
Commissioning & Technical Services  
(N.A) Ltd. (CTSNA)  
Contro Valve Inc  
Conuar FAE  
Conval Process Solutions Inc.  
County of Renfrew

CRG Energy Projects Inc.  
Crossby Dewar Inc.  
CTS Consulting  
Cummins Canada ULC  
Curtiss-Wright Nuclear Canada  
DB2 Consulting  
Delta T Heat Exchangers Inc.  
Diakont  
Die & Machine technologies Inc.  
Durham Instruments Inc.

## E - M

E. S. Fox Ltd.  
Earle M. Jorgensen Canada (EMJ)  
EFI Concepts  
Elemental Controls  
EnergySolutions Canada Corporation  
Energy Steel  
EXO Insights Corp.  
Eugen Seitz AG  
Framatome  
Fusering  
Glenair Inc.  
Girotti Machine  
Globotech Inc.  
Gowling WLG  
Great Lakes Industrial Controls Inc.  
Green Tweed & Co.  
Hamilton X Packaging & Pallets Co Ltd.  
Harbour Technologies  
Hatch Ltd.  
Henry Controls Inc.  
Heritage Safety Products Ltd  
Hitachi Canada (branch of Hitachi  
America; Ltd.)  
Hooper Welding Enterprises Limited  
Hoskin Scientific Limited  
Howard Marten Fluid Technologies, Inc  
HumanSystems Incorporated  
Hydra-Fab Fluid Power Inc.  
Hydro Inc.  
Ian Martin Group  
IMI NH / IMI-Critical  
Infogrinder Inc.  
Integra Technologies Ltd.  
Intergraph Canada Ltd  
Iris Power LP  
Ironpride Consultants Inc.  
Isowater Corporation  
J. A. Plourde Performance Ltd.  
Jensen Hughes Consulting Canada Ltd.  
Kanata Electronic Services Ltd.  
KEPCO Engineering & Construction  
Company  
Kinectrics Inc.  
Krohne, Inc  
Krueger Custom Steel & Machining LTD  
KSB Pumps Inc.  
L3 MAPPS Inc.  
Laker Energy Products Ltd.  
Lakeside Process Controls  
Laveer Engineering Limited  
LEMO Canada  
Liburdi Automation Incorporated  
Little Lakes Machine & Tool Co Ltd.  
LLH Knightsbridge Corp.  
MAG Tool Inc.  
Marilyn Clarke Legal Services  
Marsh Instrumentation Ltd  
Marshield - a Div of Mars Metal Co.

Matrix North American Construction Ltd  
McCann Equipment Ltd.  
McMaster University Nuclear  
Operations and Facilities  
MDA  
Mersen Canada  
Mirion Technologies (Canberra), Inc.  
Mirion Technologies (IST Canada) Inc.  
Mod-Tronic Instruments Limited  
Moltex Energy Canada Inc  
MVT Performance Inc.  
MZ Consulting

## N-S

NA Engineering Associates Inc.  
Nefab Inc.  
New Era Group  
Niagara Energy Products  
Niagara Fasteners  
Nordion Inc.  
North American Crating Inc.  
NPX  
Nuclear Equipment Supply Team  
(NEST)  
Nuclear Insurance Association of  
Canada (NIAC)  
Nucleom Inc.  
Nu-Source, LLC  
Nu-Tech Precision Metals Inc  
Nuvia Canada  
Olympus NDT  
Ontario Tech University  
Pajarito Scientific Corporation  
Pall Canada Ltd  
Parabola Solutions  
Paragon Energy Solutions LLC  
Patriot Forge  
PCL Industrial Construction Inc.  
Perma-Fix Canada Inc.  
Plan Group Inc  
PLC Fire Safety Solutions  
Primo Instrument Inc., Trescal Group  
Promation Nuclear Ltd.  
PTAG  
Quantum CNC Inc.  
R. P. Moleschi & Associates  
Radiation Measurement Systems  
Radiation Safety Institute of Canada  
Rapid Evac Emergency  
Communications Inc.  
RCM Technologies Canada Corp  
REEL COH Inc.  
Revenew International LLC  
Rider Levett Bucknall (Canada) Ltd.  
Ritepro Corporation  
RN TOOLING CORPORATION  
Rolls-Royce Civil Nuclear Canada Ltd.  
ROTORK CONTROLS (CANADA) LTD  
RPC Radiy  
RSB Logistic Inc.  
RSCC Wire & Cable LLC  
SDT North America  
Sargent & Lundy Canada Company  
Sartrex Power Control Systems Inc.  
Schneider Electric  
Schulz Electric Company  
Seals Unlimited  
SHAWCOR - Connection Systems  
Sitco Precision Machining Co. Ltd.  
SNC-Lavalin Nuclear Inc.

South Paw  
Special Electronics & Designs Inc./  
Rescom Sales In  
Stern Laboratories Inc.  
Stevcon Packaging & Logistics  
StonCor Group/RPM Canada  
Strategic Policy Economics  
Strite Industries Ltd.  
Stuart Hunt & Associates Ltd.  
Stuart Olson Industrial Constructors  
Sulzer Pumps (Canada) Inc.  
Sunny Corner Enterprises Inc.  
Swagelok Central Ontario  
Swagelok Southwestern Ontario  
Sylvan Automation Ltd.

## T-Z

Team Industrial Services  
Technel Engineering  
Technical Standards & Safety  
Authority (TSSA)  
Terrestrial Energy Inc.  
Tetra Tech  
The Georgian College of Applied  
Arts & Technology  
The Municipality of Kincardine  
The Regional Municipality of  
Durham  
Thermon Heating Systems  
Thomas Thor Holdings  
THORBURN FLEX INC  
Tioga Pipe  
Topax Protektive Packaging  
Toshiba International Corporation  
Toshont Power Products Inc.  
TRC Limited  
Trillium Flow Technologies  
Triumph Gear  
TW Metals  
TYNE ENGINEERING INC  
U-Battery Canada Ltd.  
UCC Industries International  
Ultra Torq Bolting Tools  
Umbrella Surface Technologies Inc.  
Unified Engineering  
UniTech Services Group  
UNENE  
Univeristy of Strathclyde,  
Advanced Nuclear Research  
Centre  
University of Toronto, (IMDI)  
Veolia Nuclear Solutions  
Unlimited Imaging  
WAG QA  
Weir-Jones Engineering  
Westinghouse Electric Canada Inc.  
Westlake Industries  
Wittenstein  
Worldwide Imaging and  
Detection Systems Inc.  
Worley  
XL Tool Inc.



# Canadian Nuclear Industry



**76,000** Jobs Across Canada  
**\$17B** Annual Impact on Canada's GDP  
**15%** of Canada's Electrical Generation

## Organization of Canadian Nuclear Industries

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