

WORLD DEMOLITION SUMMIT 2023

CONFERENCE - AWARDS - NETWORKING

17-18 OCTOBER 2023

TORONTO, CANADA

The fifteenth year of the major international event celebrating excellence and innovation within the demolition industry

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DELEGATE INFORMATION PROGRAMME AND SPEAKERS

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Welcome to

TORONTO

Dear Delegate,

On behalf of Demolition & Recycling International (D&RI), KHL and the National Demolition Association, I would like to extend the warmest of welcomes to the 2023 World Demolition Summit and trust that you will find the events of today stimulating, informative and rewarding.

The conference programme provides what we believe is a balanced mix between theoretical and practical topics, covered by speakers with vast industry experience. A number of the most challenging demolition projects of the year will be presented in detail during the course of the day.

We hope it meets with your approval, but will be delighted to receive your feedback on any aspect of the programme.

CONFERENCE EVALUATION – Included in your documentation is an evaluation form. Both the organisers and the speakers would be grateful if you would complete them. Please be honest. They are an essential source of information on how we can improve future events. The forms will be collected at the registration desk at the end of the day.

LUNCH – Details of the lunch and refreshment break areas will be announced during the conference.



REGISTRATION DESK – The KHL personnel staffing the registration desk by the entrance will be happy to deal with any queries you may have.

MOBILE/CELL PHONES – Please switch your mobile/cell phone to silent during presentations. They can be disruptive for speakers and can interfere with the audio-visual systems.

QUESTIONS – Please feel free to ask questions. If you do so, state your name and company. Written questions can be handed to the staff on the registration desk.

Leila Steed

Editor, D&RI, KHL Group

SCHEDULE

REGISTRATION STARTS:

08:00

CONFERENCE STARTS:

09:00

COFFEE BREAK:

10:40

LUNCH:

12:50

COFFEE BREAK:

15:00

CONFERENCE ENDS:

17:00

AWARDS

DRINKS RECEPTION:

18:30

AWARDS DINNER:

19:30

FINISH

23:30

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Programme

Wednesday 18 October

0800 REGISTRATION AND OADC NETWORKING BREAKFAST

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MORNING SESSION

Morning Conference Chair

Agnes Wietryznski, President and CEO, QM Environmental



0900 Welcome and opening remarks

James Milburn, President, National Demolition Association

0910 Challenges to be addressed as a client

Pierre Migny Torres, Project Director, EDF, and Pierre Alexandre Druet, Site Director and Deconstruction Technical Advisor, EDF

0940 The Blueprint: A Case Study in Strategic Demolition Planning

LaJuan Counts, Executive Director, City of Detroit Construction & Demolition Department

1010 Johnsonville Fossil Plant, Tennessee

Dennis McGarel, Vice President Sales and Estimating, Brandenburg Industrial Service Company

1040 – 1120 COFFEE AND NETWORKING BREAK

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1120 Risk Analysis during mechanical demolition of Champlain Bridge

Dr. Ahmed Amir Khalil, Director of Engineering, ASI
Simon Hebert, Civils Work Manager and Project director, Delsan-AIM Environmental Services

1150 Industrial demolition project: Redcar Steelworks in the north of England

Tom Koerner, Operations Director, Thompsons of Prudhoe, United Kingdom

1220 The rapid demolition of the Gardiner Expressway eastbound ramp, Toronto

Brian Priestly, Executive Vice President of Operations, North America, Priestly Demolition

1250 – 1400 LUNCH AND NETWORKING BREAK

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AFTERNOON SESSION

Afternoon Conference Chair

Margaret Taylor, Executive director, Ontario Association of Demolition Contractors



1400 Decommissioning of former OPG Thunder Bay Generating Station

Christina Murray, Director of Business Development, York 1 Demolition
Jeremy Later, Operations Manager, York 1 Demolition

1430 The Why of Demolition; Building a Brand

Simone Bruni, Founder and CEO, Demo Diva Demolition

1500 – 1530 COFFEE AND NETWORKING BREAK

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1530 Survey into people shortages, problems and solutions

Jonathan Cox, Marketing Director, Rye Group

1600 The use of explosives in felling selected structures, as compared to conventional demolition methods

Mark Loizeaux, Owner and President, Controlled Demolition

1630 Closing comments

1645 Close of conference

1830 – 1930 Pre-dinner drinks reception

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1930 – 2200 Dinner and Awards

2200 Post-dinner drinks

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2330 Finish

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We are constantly striving to improve our events. To help us do this, please could you complete the evaluation form, available from registration or in your delegate packs.

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Information on the Speakers

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MORNING SESSION CHAIR

Agnes Wietrzynski

President and CEO, QM Environmental



Agnes Wietrzynski is an authentic business leader who has been elevating the environmental industry to new levels for the last 13 years.

As a former refugee and immigrant to Canada, Agnes comes from very humble beginnings and has worked tirelessly for her achievements.

While working in the industry she completed her MBA at Queen's University in Kingston, Ontario, and was also recognised with the Creativity and Innovation Award.

Agnes has overseen business operations, major infrastructure projects, emergency response, industrial services and business development.

With a grassroots approach to business, she has adapted strategies to meet changing industry circumstances. Agnes has driven and navigated through accelerated growth of companies and has led integration following merger and acquisition activity. She was recognised in 2022 by Onsite Magazine as one of the Top 40 under 40 in Construction in Canada.

James Milburn

President, National Demolition Association



James Milburn discovered his interest in demolition while attending Purdue University's Building Construction Management programme.

He joined the National Demolition Association (NDA) while still enrolled at Purdue and was a founding member of its first student chapter. After college, James worked for two demolition contractors.

James founded Milburn Demolition in 2014 and has worked diligently on growing the company ever since. This year, he began a two-year term as President of the NDA, and in the capacity, he will give the association's welcome to delegates at the start of the World Demolition Summit conference programme.

AFTERNOON SESSION CHAIR

Margaret Taylor

Executive Director, Ontario Association of Demolition Contractors



Margaret is a senior level executive with extensive hands-on experience in business leadership, team management and negotiations, and has been a main player in the construction industry in Ontario for over 20 years.

Prior to starting with the Ontario Association of Demolition Contractors (OADC), Margaret was the CEO for one of the largest environmental abatement and interior demolition companies in Ontario.

For the past several years, Margaret has been the executive director for the OADC. Margaret and her team provide board leadership and governance, team leadership for bargaining, grievance and jurisdictional support for members, administrative services, event and meeting coordination.

Simone Bruni

Founder and CEO, Demo Diva Demolition



PRESENTATION

The Why of Demolition; Building a Brand

With no construction experience, US\$250 start-up money, and a woman in a male-centric industry, Simone Bruni has built not only a successful demolition business but also a brand.

Building Your Brand in Demolition starts with "Why".

- What is your personal why
- The why of your company.

Why Build a Brand

- Branding builds relationships
- Branding builds the power of influence
- Branding Builds a Legacy

Voted in 2022 as one of New Orleans' most iconic businesses, Demo Diva's signature pink excavators, trucks and dumpsters are synonymous with her resilient-go-girl attitude across the state Louisiana.

In this session, Simone will share stories and examples, including the pitfalls, of building her brand over the last 18 years.

BIOGRAPHY

Simone did what many Louisiana natives did post Hurricane Katrina, she reinvented herself. Following her natural instincts and skills derived from a long career in hospitality and tourism, Simone Bruni turned helping her neighbours into a fully-fledged business success.

Simone lost her home in the Katrina floods. She was laid off and with no construction experience, she took on the daunting

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Speakers

task of rebuilding her home. She discovered a niche. Demolition was the first step to coming home. Simone targeted women customers with her company name and branding. However, it was not only women who needed her help but an entire devastated community.

Demo Diva Demolition is blazing a trail in a male dominated industry and reinvented the recipe for construction marketing, PR, social media and customer service that creates strong brand identity and raving “fans” instead of customers. Starting with an opportunity and a single hot pink dumpster on the campus of Xavier University (conveniently placed in full view of I-10 traffic!), the Demo Diva has become not just an inspirational business success story, but a local business icon.

LaJuan Counts

Executive Director, City of Detroit
 Construction & Demolition Department



PRESENTATION

The Blueprint: A Case Study in Strategic Demolition Planning

In this informative session, Detroit’s Demolition Director shares insights into the city’s high-volume annual demolitions, the challenges of initiating a new demolition programme, managing contracts, building community trust, and essential tips for achieving a successful and safe demolition programme, regardless of its scale.

BIOGRAPHY

LaJuan Counts is the Executive Director of Demolition for the City of Detroit and a 30-year veteran in construction and contractor management.

In 2020, she was appointed by Detroit Mayor Mike Duggan to lead the newly-formed Demolition Department and oversee the execution of a US\$250 million bond initiative created to address more than 8,000 blighted residential properties. She has led major construction and development projects, including a \$101 million high-rise apartment complex.

Before taking the helm of Detroit’s Demolition Department, Ms Counts served in various roles with the City of Detroit, including Superintendent of Building Maintenance and General Services Director, where she managed maintenance services for more than 140 facilities.

In late 2022, Mayor Duggan returned responsibility for Capital projects and Facilities back to LaJuan Counts, instituting a “cradle-to-grave” philosophy with responsibility for the construction and care for all city-owned properties throughout their useful life.

Ms Counts, who has been with the City of Detroit over 26 years, earned a BS in Building Construction Technology from Michigan State University and is a proud member of Alpha Kappa Alpha Sorority, Incorporated.

Jonathan Cox

Marketing Director, Rye Group



PRESENTATION

Survey into people shortages, problems and solutions

This session will explore key issues relating to the talent and skills crisis in demolition with reference to results from Rye’s research into the key issues, and explore solutions and strategies to address this key industry challenge. Delegates can expect an interactive and thought-provoking and presentation.

BIOGRAPHY

Jonathan has extensive marketing experience, having worked with major brands such as Mercedes Benz, Total and the Institute of Directors. Having established his own marketing business in 2019, Jonathan began working with the team at Rye in early 2020 to develop its strategic positioning and profile in the market.

Jonathan has led Rye’s carbon auditing process and worked with the business to implement a variety of environmental measures. He has built up strong media and industry links to share learnings and initiatives and evolving plans.

Alexandre Druet

Site Director and Deconstruction Technical Advisor, EDF



Joint presentation with Pierre-Migny Torres (see page 18)

PRESENTATION

Challenges to be addressed as a client

EDF has decided to go greener in its energetic mix since the beginning of 2000.

To achieve the reduction of fossil fuel power plants, it has already implemented the deconstruction of 10 power plants, and still has a programme for the next 15 years to decommission the equivalent of 11 GW of power plants.

Considering the high risk of this type of activities, the constant evolution of the regulation regarding waste and hazardous materials, and the technical challenges onsite, how can a client organise itself to address this type of decommissioning programme?

As a specifier, what are the main issues to prepare a contract, select a contractor, and keep a relationship with all the contractors to always improve and focus on safety results?

This presentation will highlight the main technical and organisational challenge that EDF must address to perform such a decommissioning programme.

The presentation will also include examples of onsite realisation and co-working with contractors.



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Speakers

BIOGRAPHY

Alexandre works as site director and deconstruction technical advisor in the EDF thermal engineering department. He holds a master's degree in industrial engineering specialised in the dismantling of industrial works.

Alexandre has been working on deconstruction projects at EDF since 2007. With more than 10 years of onsite experience, he has taken charge of several tender processes.

This experience made him technical advisor on all the projects of the EDF fossil fuel fired power plants deconstruction programme.

Simon Hébert

Civils Work Manager and Project Director, Delsan-AIM Environmental Services



Joint presentation with Ahmed Amir Khalil (page 15)

PRESENTATION

Risk analysis during mechanical demolition of multiple span

This presentation provides guidance on structural risk analysis during demolition of multiple span bridges by presenting a case study for demolition planning of the three-km-long Champlain Bridge. The deconstruction of the original Champlain Bridge in Montreal is performed by the Nouvel Horizon St-Laurent (NHSL) group formed by Pomerleau and Delsan-AIM Environmental Services. The deconstruction work will be done within the project's global \$400-million envelope. The original Champlain Bridge deconstruction project began in July 2020 and will take place over a period of 43 months, until January 2024.

BIOGRAPHY

Living in Montreal, Canada, Simon has worked in the demolition industry for more than 20 years mainly in civils infrastructure dismantling. He started his career in the demolition industry in 2001 working as a project manager for a demolition contractor specialises in bridges and highway overpass removal. After many years of services, Simon joined the Delsan-AIM Environmental Services Team in 2015 to develop and manage the civils department.

Delsan-AIM Environmental Services was established in 1994 and has been a leading environmental services company that combines decommissioning and demolition expertise with the recycling capabilities of American Iron & Metal (AIM) – an international leader in metal recycling. With its 25+ years of experience and 2,000+ completed projects, Delsan-AIM is an industry leader maintaining the highest standards of service through technically proficient project management, health and safety, flawless execution, and innovative solutions.

As part of Delsan's team, Simon is responsible of the civil works division and oversees the civils business development, estimation, project management, key accounts, and client relationship in the Eastern Canada region. Specialised in project management, he has a degree in Business Administration, a PMP certification and now studying for an MBA.

Ahmed Amir Khalil

Director of Engineering, Applied Science International (ASI)



Joint presentation with Simon Hébert (see page 15)

PRESENTATION

Risk analysis during mechanical demolition of Champlain Bridge

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BIOGRAPHY

Dr Khalil is a pioneer in the area of engineering simulations for demolition planning with 25 years of structural engineering experience. During the past 15 years he specialised in numerical modelling of the demolition of structures, whether mechanically in stages or induced through implosion or cut and pull techniques.

The team led by Dr Khalil at Applied Science International performed engineering simulations for a variety of industrial structures including cooling towers, silos, tanks, boilers, reactors, conveyers, and stacks. He oversaw demolition planning for special structures such as prestressed and cable stayed bridges with various demolition methodologies. He performed demolition simulations for steel, masonry, and reinforced concrete structures comprising hospitals, sports stadiums, as well as residential and commercial buildings. In 2020, his team did the engineering modeling for the tallest building in the world to be demolished by implosion. In addition to structural analysis, he manages performing numerical simulations to ensure vibration, noise, and dust generated by demolition activities are within acceptable performance limits.

Tom Koerner

Operations Director, Thompsons of Prudhoe, United Kingdom



PRESENTATION

Industrial demolition project: Redcar steelworks in the north of England

BIOGRAPHY

Tom Koerner joined Thompsons in 2014 where he quickly demonstrated his ability and experience within the industry. Tom is a highly-trained demolition professional who is client-

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Speakers

focused and strives for excellence in performance. Tom is responsible for the overall management of all Thompsons of Prudhoe high-profile and complex demolition/decommissioning projects across the business. Tom is an Appointed Person for Lifting Operations, holds a CCDO Black Card and is a Chartered Construction Manager. In 2021 Tom was invited to join the Thompsons of Prudhoe board of directors as operations director.

Jeremy Later

Operations Manager, York1 Demolition

Joint presentation with Christina Murray
(see page 19)



PRESENTATION

Former OPG Thunder Bay Generating Station Decommissioning

The former coal fired power generation station had three boilers over 91.4 m (300 ft), three turbines, three precipitators over 60.96 m (200 ft), a 198 m (650 ft) concrete stack, a water inlet and outlet, and associated outbuildings. Work started onsite in April 2021 with a large asbestos abatement of Boiler# 1 and prepping the stack for felling and removal of the turbine hall to the north of the boilers.

The stack was felled using explosives in September 2021, the precipitators were detached from the boilers and dropped using explosives in December, and finally the top hung boilers were toppled using explosives in June 2022. A large piece of the project is the sorting, categorising, preparing, and shipping offsite the ferrous and non-ferrous scrap metals.

Large second member shears and torch men have been working diligently to move the material offsite via truck and rail. The project included abatement of the boiler refractory, demolition of the power generating station, processing and disposal of all construction and demolition waste, and recycling all scrap steel.

BIOGRAPHY

Jeremy has been with York 1 since 2013. He began his career as a general labourer and worked his way up to becoming the senior site superintendent and then operations manager for his former company.

After 11 years there, he decided to take his knowledge, and join the team at York 1. He is a senior site supervisor and has proven to be an outstanding asset and wealth of knowledge to every member of the team.

He has proven his ability to take on any task with enthusiasm and without significant supervision. His duties have included but were not limited to heavy equipment operator, equipment manager, asbestos and mould abatement (Type 1 to 3), operation of site equipment, handling of hazardous material and supervision of site crews and trained in in-situ chemical remediation.

Mark Loizeaux

Owner and President,
Controlled Demolition



PRESENTATION

Explosives demolition applications and their future in our changing society

Mr Loizeaux's presentation is going to cover the types of structures and site circumstances that lend themselves to explosives demolition operations on both standard and emergency projects.

He will cover the pros and cons of explosives applications based on construction, structural configuration, structural condition, and the nature and proximity of adjacent improvements to remain. He will also speak to how our society is changing and how the explosives demolition industry "culture" is responding to those changes.

BIOGRAPHY

Mark Loizeaux is President and Owner of Controlled Demolition Incorporated (CDI), one of the leading international demolition firms performing both conventional and explosives demolition, as well as dismantling operations for a range of clients.

Since CDI was formally founded as an exclusive entity for explosives demolition in 1960, Mark Loizeaux has worked his way up through the company, beginning as a field labourer and becoming president of CDI and chairman of the Loizeaux Group of Companies in 1986.

Mark acts as an expert technical witness on legal claims cases and in technical research committees where such expertise and hands-on experience is required.

He also regularly speaks to professional groups and universities, at safety seminars, and works with regulatory agency committees on different aspects of explosives and demolition operations.

Dennis McGarel

Vice president sales and estimating,
Brandenburg Industrial Service Company



PRESENTATION

Johnsonville Fossil Plant, Tennessee

On 31 July 2021 personnel from the Tennessee Valley Authority (TVA) witnessed the demolition of a 182 m (600 ft) smokestack and 10 boilers and precipitators at Johnsonville Fossil Plant (Johnsonville) in New Johnsonville, Tennessee. They were the last remaining elements of TVA's oldest coal-fired power facility.

Brandenburg Industrial Service Company started plant demolition in 2019. It began with the abatement of 10 boilers and the concurrent demolition of outbuildings as well as the removal of the turbines, turbine hall and all marine features. Strip-out was essential because the boiler structure had to have the lower 37 feet clear of equipment and piping to facilitate the implosion of all 10 units. Demolition/abatement took place adjacent to a functional switchyard, water treatment building and tanks. Access to the treatment plant had to be maintained

Speakers

at all times. Live utilities surrounded and ran through the site. Coordination with water navigational vessels was critical as the work required use of a 300 t crawler crane to remove two large barge unloaders.

Demolition was completed on time and on budget and Brandenburg's efforts facilitated the recycling of approximately 100,000 t of steel and about 100,000 t of brick, block and concrete. The 150 Brandenburg professionals completed the 34-month project in 550,000 man-hours.

BIOGRAPHY

Dennis has been with Brandenburg for more than 25 years. He has held several positions and is currently vice president of sales and estimating.

At this year's World Demolition Summit, Dennis will speak about the complex Johnsonville plant demolition, which was voted overall World Demolition Award winner ('Best of the Best') at the 2022 event.

Brandenburg was established over 50 years ago and is one of the USA's premier companies specialising in demolition and environmental remediation.

The company has five regional offices located throughout the USA and employs more than 800 people. Dennis is a member of the Board of Directors of the USA's National Demolition Association.

Pierre Migny-Torres

Project Director, EDF



Joint presentation with Alexandre Druet (see page 13)

PRESENTATION

Challenges to be addressed as a client

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As a specifier, what are the main issues to prepare a contract, select a contractor, and keep a relationship with all the contractors to always improve and focus on safety results?

This presentation will highlight the main technical and organisational challenge that EDF must address to perform such a decommissioning programme.

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Speakers

The presentation will also include examples of onsite realisation and co-working with contractors.

BIOGRAPHY

Pierre works as a deconstruction projects director at EDF's thermal engineering department. He holds a master's degree in mechanical engineering from Arts et Métiers Paristech, and a specialised master's in civil engineering of major energy works, from Centrale Paris.

After graduating in 2014, he worked as technical manager on asbestos removal and deconstruction works, and then oversaw several tender processes to select contractors.

He also developed deconstruction services offering abroad for electrical companies.

Since 2021, he has been in charge of implementing the fossil fuel power plants deconstruction programme at EDF.

Christina Murray

Director of Business Development, York1 Demolition



Joint presentation with Jeremy Later (see page 17)

PRESENTATION

Former OPG Thunder Bay Generating Station Decommissioning

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Large second member shears and torch men have been working diligently to move the material offsite via truck and rail. The project included abatement of the boiler refractory, demolition of the power generating station, processing and disposal of all construction and demolition waste, and recycling all scrap steel.

BIOGRAPHY

Growing up in a family demolition business, Christina quickly learned everything from preparing estimates, invoicing and accounting to running the small machines in the yard.

After graduating high school, Christina became the family's fourth generation in the demolition field. She started onsite as a labourer, eventually operating skidsteers, payloaders, excavators, roll off trucks and dump trucks, also working as a lead hand and then a foreman. After a few years of onsite work,

she moved into the office as a junior estimator.

In 2009 Christina joined Budget Environmental as demolition estimator, a role which also project management, safety, human resources and anything in between. As the team grew, Christina continued to focus on the demolition team's clients and overall growth, taking the Business Development role in 2016.

In early 2022, the entire Budget Group, including Budget Demolition was sold. At that time Budget Demolition employed around 110 people with sales of C\$35 (US\$26 million) and was the fourth largest demolition company in Canada.

Since the acquisition, Christina has taken a role at York1 as director of business development for the Infrastructure Division, which includes demolition, excavation, shoring, construction services and telecom.

Brian Priestly

Executive Vice President of Operations, North America, Priestly Demolition



PRESENTATION

The rapid demolition of the Gardiner Expressway eastbound ramp, Toronto

The rapid demolition of the Gardiner Expressway eastbound ramp was a hugely challenging project for the Priestly team, with only five weekends to complete the work and Monday morning road reopening of a major commuter highway in downtown Toronto.

With over 9,000 hours logged in just five weekends, this project proved to be an example of what can be achieved with strong leadership, excellent planning, the right technology, and a highly trained and dedicated crew.

BIOGRAPHY

Brian Priestly joined the Priestly Demolition team in 1997.

Starting as a demolition labourer, Brian has worked his way up the ranks to vice president of operations, overseeing all Priestly's on-site activity, engineering, logistics, and safety, while managing projects upward of C\$120 million (US\$88 million) annually.

Brian is an active member of the National Demolition Association, serving on various committees, as well as holding the position of vice president of the board of directors with the Ontario Association of Demolition Contractors.

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