



Crane Operator Certification & Licensing Authority

2024 Annual Report





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BC Crane Safety provides health and safety leadership for crane and hoisting operations across diverse industries in all regions of British Columbia.

Photography by Roberta Sheng-Taylor, Albert Wang, and Site Partners*. Writing and Editing by Michelle Harding. Design and Layout by TAP Graphics Ltd.*

** Stock imagery also utilised.*

Message from the Chair

Jeff Gorham



I was elected Chair of the BC Crane Safety Board of Directors in mid-2023. A lot has happened since then.

The first few months of this year saw several crane-related incidents in the B.C. Lower Mainland. One was fatal, resulting in the death of Yuridia Flores who was working on the Oakridge development site when a tower crane dropped its load. We express our deepest condolences to her loved ones. We will never forget.

BC Crane Safety has always been committed to addressing and improving safety standards in the industry. I'm greatly encouraged to see a growing spirit of co-operation and agreement amongst industry stakeholders who have stepped up to pull together to share best practices and support each other in the collective effort to produce and communicate guidance for effective safety protocols and preventive maintenance.

In the year ahead, I look forward to maintaining this momentum. BC Crane Safety continues toward ISO/IEC 17024 alignment, which will ensure that our certification program is in line with international standards. We've begun to increase our outreach to industry and are developing systems to support regular certification renewals and supervisor qualifications in consultation with the crane community.

I'm pleased to have been involved in developing new offerings for training in rigging and refresher courses for crane operators. We at BC Crane Safety will continue to do everything we can to support all training institutions and companies to meet OHS regulations and safety standards.

Finally, I want to extend sincere thanks to the BC Crane Safety staff and Directors and welcome Chris Green from the Yukon Workers' Safety and Compensation Board. I'm also pleased to be working with Paulette Higgins from SkilledTradesBC and thank Michael Paine and Doug Younger from WorkSafeBC for their unwavering support and collaboration.

I'm looking forward to a busy and productive 2025. Together, we are making a difference.

Message from the Executive Director

Clinton Connell



2024 was a challenging year for B.C.'s crane industry. Several tower crane-related incidents, including the tragic fatality at the Oakridge development site, heightened and renewed the industry's focus on rigging, inspections, and operator and supervisor competencies.

In response, new resources and changes were introduced in ongoing consultation with industry. We saw the Notice of Project Tower Crane (NOP-TC) come into effect, requiring contractors to submit all safety and compliance documentation two weeks before major activities. This ensures all parties have met their due diligence responsibilities in advance. BC Crane Safety, alongside WorkSafeBC, developed the Tower Crane Binders to conveniently organize and describe assembly/disassembly requirements as a companion resource.

To enhance exam security, robust electronic proctoring for Provisional Operator exams was implemented in 2024, and the SkillRecord app became compulsory for tracking seat-time hours for trainees and apprentices.

I anticipate that 2025 will be a year of positive and transformational change. We will introduce an expanded assessment of rigging knowledge and applied theory as a prerequisite for Provisional Operators applying for their exams. Our continuing progress toward ISO 17024 alignment will introduce the certification renewal element into the system, supported by an expanded SkillRecord Passport app for a streamlined, accessible digital renewal process. Stakeholders will receive updates throughout the year as pilot programs roll out in 2025.

Our global collaborations continue in full force across areas such as regulations, certifications, equipment inspections, resources and safe work practices. I would like to acknowledge key collaborators including WorkSafeBC, SkilledTradesBC, International Union of Operating Engineers, Canadian Crane Rental Association, Specialized Carriers & Rigging Association, National Commission for the Certification of Crane Operators, European Association for Abnormal Road Transport & Mobile Cranes, Crane Industry Council of Australia, and International Crane Stakeholders Assembly.

I would like to extend my heartfelt appreciation to the entire BC Crane Safety team for their unwavering dedication, determination, and hard work throughout this challenging year. Your resilience and commitment to our goals have been truly inspiring. Special thanks also to the loyal group of consultants who've partnered with us, offering both their expertise and support. We also welcomed several newcomers to the group this year, who all immediately engaged to make a positive impact. Together, we've overcome obstacles and made remarkable strides, and I'm proud of what we've accomplished as a team!

PART 1 – WHAT WE DO

BC Crane Safety — Crane Operator Certification & Licensing Authority for B.C.

BC Crane Safety was established in 2005 as a not-for-profit association (BC Association for Crane Safety). In response to several crane-related incidents, fatalities and a lack of standards for operator competencies, BC Crane Safety created a crane operator certification program for British Columbia.

The development of the certification program was led by industry stakeholders to satisfy their demand for mandatory certification.

We are B.C.'s **crane operator certification authority** and administrator as designated by WorkSafeBC. We are a **Health and Safety Association (HSA)** providing leadership and support for health and safety in crane hoisting operations and serve as an advisory body for regulatory matters. We work with industry, labour, regulators, and governments to create and implement competency-based **standards** for assessments and certification.

Primarily funded by WorkSafeBC, we are grateful for their support in fostering innovation and collaboration. The focus of everything we do is to promote health and safety for workers, workplaces, and the public. That's why we continue to develop resources and "next practices" to help support all our stakeholders in the many industries that benefit from safe, effective crane operations.



Our Guiding Principles

Our Vision:

Safe and competent crane, hoisting, and rigging operations throughout British Columbia.

Our Mission:

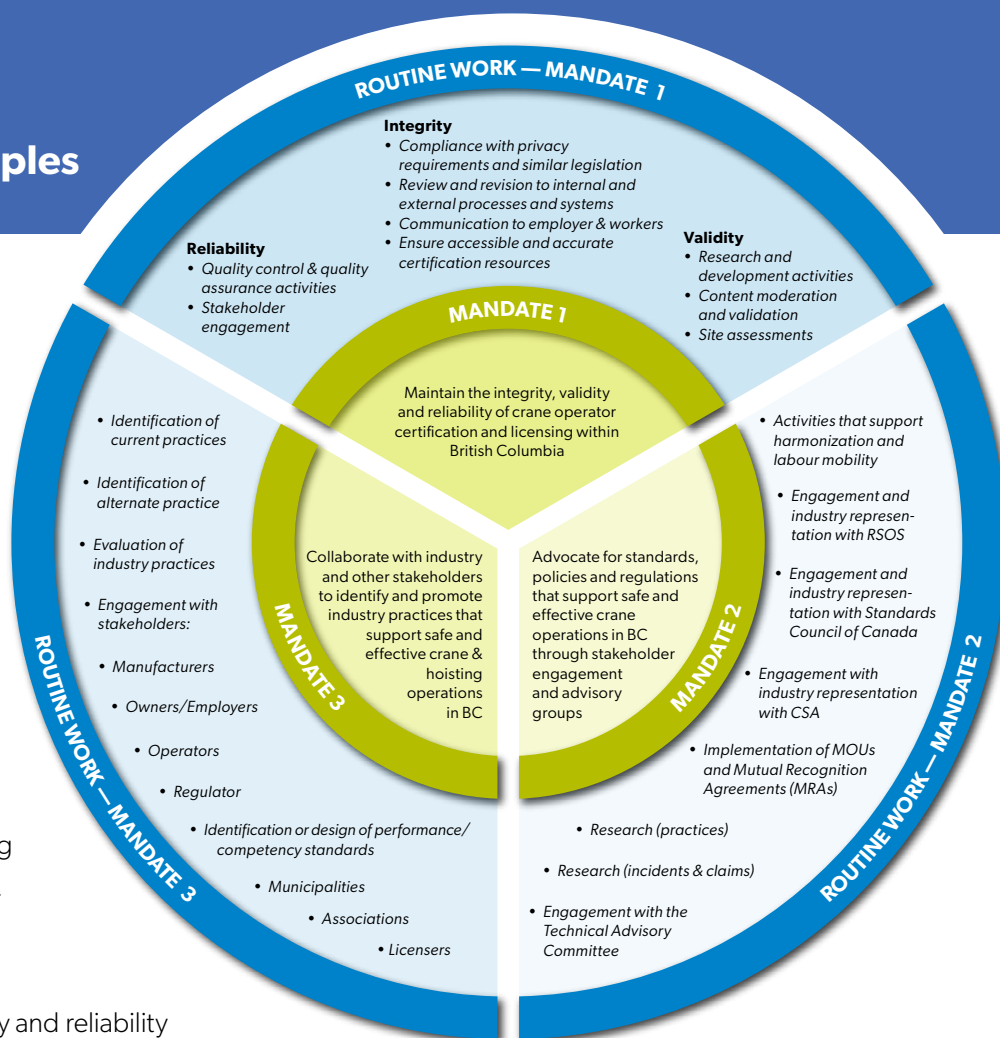
To engage with our stakeholders concerned with cranes, hoists and rigging, including employers and workers, across multiple sectors to support safe crane and hoisting operations in British Columbia.

Our Mandate:

- Maintain the integrity, validity and reliability of crane operator certification and licensing within British Columbia
- Collaborate with industry and other stakeholders to identify and promote industry practices that support safe and effective crane & hoisting operations in B.C.
- Advocate for standards, policies and regulations that support safe and effective crane operations in B.C. through stakeholder engagement and advisory groups.

Our Organizational Objectives:

- Promoting accident-free crane operations throughout British Columbia.
- The establishment in British Columbia of a cost-effective crane operator qualification regime that:
 - Involves documented proof of competency.
 - Includes theoretical and practical assessments.
 - Is accessible and available at all levels of industry.



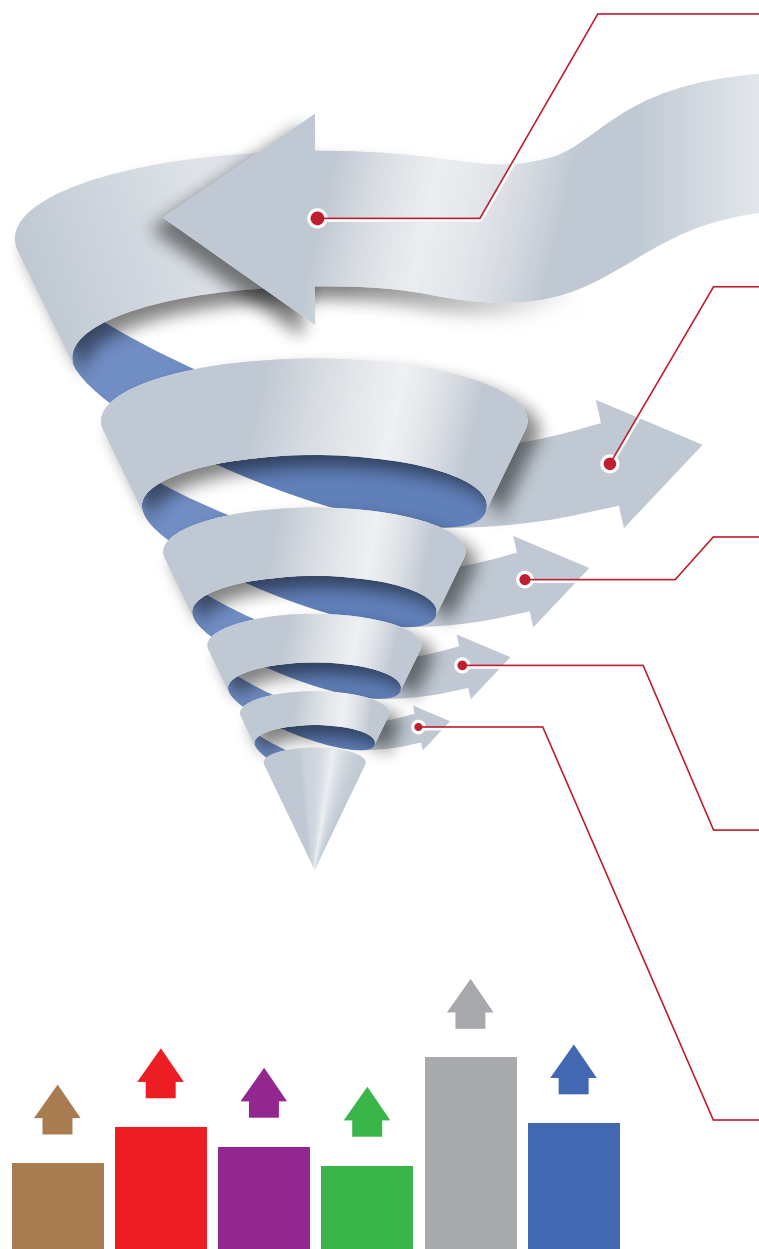
- Promoting the attractiveness of the industry to prospective entry-level crane operators and the timely achievement of their qualifications.
- Serving as an industry advisory body to agencies in a position to oversee qualifications and standards.
- Serving as an advisory body to the Workers' Compensation Board of British Columbia (WorkSafeBC) regarding regulatory matters and other matters related to occupational health and safety as they impact the crane industry.

Our Values:

- Leadership
- Transparency
- Professionalism
- Stewardship
- Partnership

Our Work Management System

We use a logic model system to manage our work. It's an effective tool that assists in planning and implementing programs, managing our workflow, and evaluating and reporting on what we do. We rely on this logic model to ensure we effectively manage association resources to meet our corporate objectives.



The program logic model is defined as a picture of how the organization does its work—the theory and assumptions underlying the program. A program logic model links outcomes (both short and long-term) with program activities/processes and the theoretical assumptions/principles of the program.

BC Crane Safety Logic Model: 2024 (January 1, 2024)

1 Corporate Focus

Competency Standards and Advancement	Operator Certification Program and Administration	OHSE and Strategic Initiatives/Outreach
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2 Services and Activities

Develop and maintain occupational competency standards.	Develop and maintain education and training resources.	Manage and oversee certification assessment.	Manage and oversee crane operator registration and service platform.	Develop strategic and corporate communications and stakeholder outreach.	Conduct industry and occupational research.	Develop OHS management systems and support.	Manage strategic partnerships and out-of-province accreditation.
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3 Products

Current industry compliant standards, resources and assessments.	Valid and cost-effective credentials; secure, accessible micro-credential platform records.	Labour market efficiency and competitiveness (quality & supply).	Brand recognition, Industry Influencer and COE (Centre of Excellence).	Integration of competency standards into OHS management.	Strategic industry partner relationships.
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4 Outcomes

Standards alignment across sectors and with other jurisdictions.	Professional, safe crane operators in all certified crane classes.	Enhanced safety commitment and competency among employers and supervisors, and improved safety climate in the work environment. Reduced crane related incidents and claims costs.	Effective and accepted maintenance and renewal. Well-crafted regulations.
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5 Impacts

Positive safety impact in all sectors where cranes operate as evidenced by reduced number, frequency, severity of incidents, and claims costs across related trades.

Good evaluation reflects clear thinking and responsible program management. (W.K. Kellogg Foundation, 2004.) Performance measures give (stakeholders) information on how well... programs are performing and whether the programs are achieving what was intended. This is one of the key ways (associations) demonstrates accountability and helps ensure scarce ...resources are being applied in ways that provide the most value for (stakeholders). (Auditor General of Canada 1997, McDavid and Hawthorn, 2004).

PART 2 – WHO WE ARE

Our Board of Directors

The BC Crane Safety Board of Directors is a stakeholder Board which means only people who own cranes, operate them, or employ crane operators are allowed to be voting members. Our Board also includes non-voting representatives from WorkSafeBC, the Yukon Workers' Safety and Compensation Board, SkilledTradesBC and Fulford Certification.

Our Board represents a cross-section of stakeholders including:

Crane types:

- Mobile Cranes
- Boom Trucks
- Tower Cranes
- Self-Erect Cranes

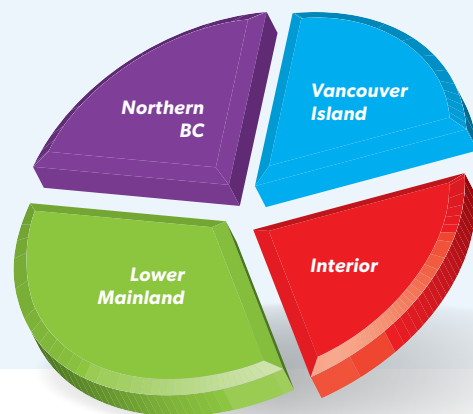
Industry sectors:

- Heavy Industry
- Engineering
- Construction
- Oil and Gas
- Power and Utilities
- Marine and Piledriving
- Manufacturing
- Industrial Moving

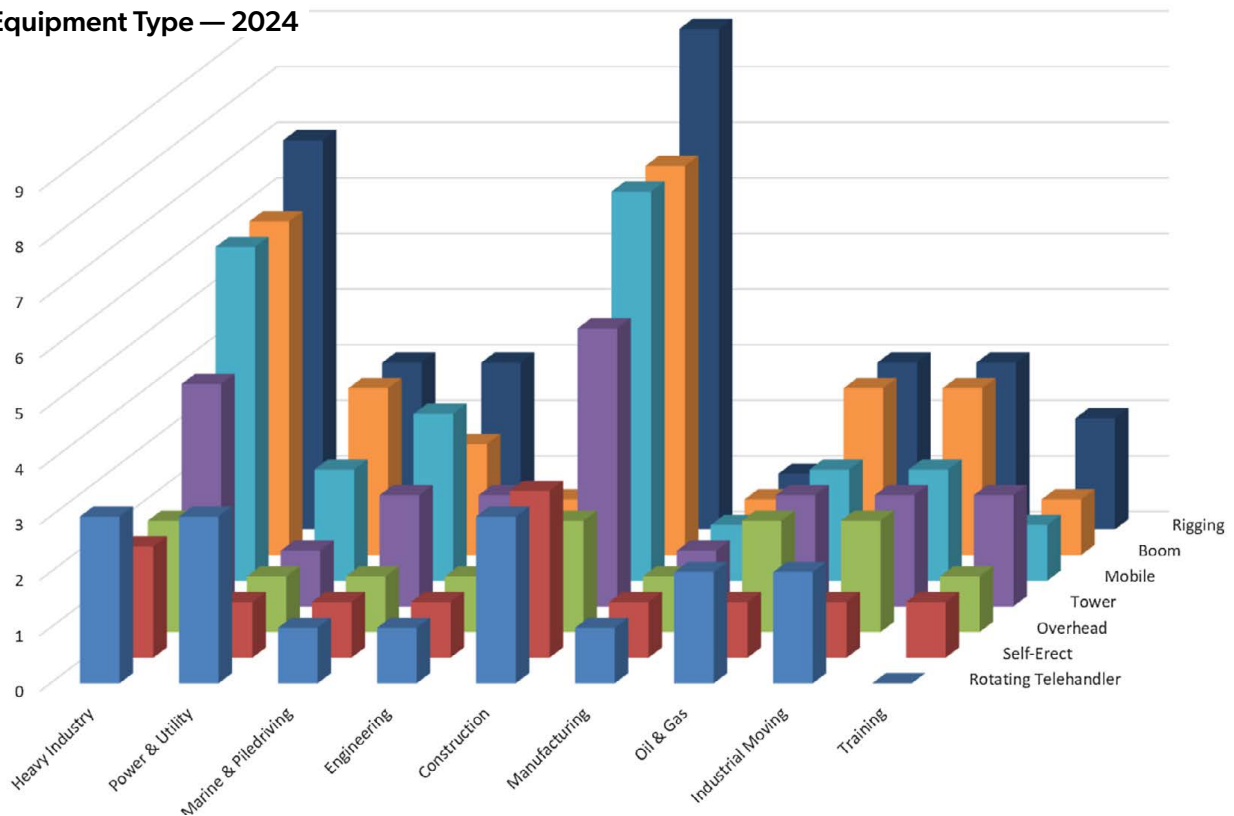
Regions in B.C.:

- Lower Mainland
- Interior
- Vancouver Island
- Northern B.C.

Board Representation by Region — 2024



Board Member Representation by Sector and Equipment Type — 2024





Jeff Gorham
(Chair)

International Union of Operating Engineers Local 115, Burnaby, B.C.

Jeff Gorham is Administrator at IUOE Local 115 Training Association (IUOETA), a national leader in delivering training supporting a range of industries including road building and heavy construction, mobile crane operation and asphalt paving. In 2025, new training opportunities will be introduced for tower crane operators. The IUOETA also participates in the development of national occupational standards for heavy equipment operation, working closely with SkilledTrades BC. Jeff has been contributing his expertise and knowledge to BC Crane Safety through his service on the Board since 2016 and became Chair in 2023.



Gary Klynsoon
(Vice Chair)

NorLand Group, Burnaby, B.C.

Gary Klynsoon is Senior Vice President — Industrial Services with NorLand Limited. His career in the crane, rigging and industrial moving business includes previous tenures at Apex Industrial Movers, GWIL, Eagle West, EW Wind Energy and SureSpan. Gary is a Red Seal-certified crane operator and a Professional Project Management leader, with more than 30 years of experience in strategic planning, project management, team development and a focus on safety-first operations. Gary joined the BC Crane Safety Board in 2022.



Ryan Stewart
(Secretary/Treasurer)

Arsenal Engineering, Abbotsford, B.C.

Ryan Stewart is a professional engineer originally from northern B.C. He obtained his mechanical engineering degrees (BSc and MSc) from the University of Alberta. After completing his degrees, he worked in northern Alberta for a few years before moving to the Lower Mainland. Ryan started Arsenal Engineering Ltd. at the end of 2014. Arsenal provides engineering consulting and non-destructive testing services with a focus on construction and lift equipment. Ryan joined the BC Crane Safety Board of Directors in 2019.

Our Board of Directors



Jason Gilmore

(Past Chair)

**Can Ridge Industries,
Pitt Meadows, B.C.**

Jason Gilmore is an active crane operator and equipment owner with more than 35 years of experience in the industry. In January 2025, he joined Can Ridge Industries in Pitt Meadows as a representative of the company. Can Ridge, established in 1999, is a full-service crane company providing transportation and industrial moving services for commercial and industrial products throughout British Columbia. Their logistics division also services all of Canada and United States. Jason joined the BC Crane Safety Board of Directors in 2016 and served as Chair from 2021 to 2023.



Kiewit

Steve Gibson

Kiewit, Edmonton, AB

Steve Gibson is Project Crane and Equipment Manager at Kiewit. With more than 20 years' experience as a crane operator, equipment maintenance supervisor and trainer, Steve has had the opportunity to get to know many areas of the crane industry including lift planning, rigging, scheduling, inspecting, incident investigation, piling operations, tower cranes, barge mounted cranes, heavy lift and transport and assembly/disassembly operations. Steve sits on multiple crane committees across Canada and has served as a valued member of the BC Crane Safety Board of Directors since 2015.



Matthew Blackwell

RKM Crane Services, Langley, B.C.

Matthew Blackwell has been actively involved in the crane and hoisting industry for more than 20 years. He started in the residential construction sector as a tower crane operator and then moved into the mobile crane industry. As an apprentice, he worked through several training programs, becoming trade-qualified in both tower and mobile crane operations. Today, he is the General Manager of RKM Crane Rentals in the Lower Mainland. Matthew joined the BC Crane Safety Board of Directors in 2020.



Dennis Bamford

Maxum Cranes, Vancouver, B.C.

Dennis Bamford was initially a crane operator and contract lift supervisor in the UK for 13 years where he received his formal training. He moved into technical sales in B.C. in 2004 and subsequently underwent training in sales/marketing and safety, also obtaining his red seal crane operator certification. Dennis joined Maxum Crane Rentals in Burnaby in 2014 in the role of General Manager. Maxum is a safety leader providing services to many industries in B.C. including a specialization in the film industry. Dennis joined the BC Crane Safety Board of Directors in 2020.



Eric Nipius

Oxford Builders Supplies, Abbotsford, B.C.

Eric Nipius is Director of Operations at Oxford Builders Supplies which specializes in the assembly and dismantling of tower cranes and construction hoists, as well as related matters such as electrical, transportation, formwork, training, below-the-hook lifting devices, propane fuel supply, temporary heat, as well as various construction equipment rentals. He has served as Service Manager, Crane Chargehand, and lead technician for Leavitt Cranes and shift mechanic at a B.C. sawmill. He is a Red Seal Industrial Mechanic (Millwright). Eric joined the BC Crane Safety Board in 2022.



Craig Longmuir

Fraser River Pile and Dredge, New Westminster, B.C.

Craig Longmuir has been working with FRPD since 1990 and is currently in the role of VP, Construction. Craig holds a diploma in Engineering Technology from BCIT and a certificate of Management Excellence from UBC. He serves on the Jurisdictional Assignment Plan Board of Directors for Construction Labour Relations of B.C. His unique expertise in the marine sector and in managing crane-based heavy construction projects makes him a valuable addition to the BC Crane Safety Board of Directors which he joined in 2022.

Our Board of Directors



Dana Tosoni

**Two Pillars Construction
Surrey, B.C.**

Dana Tosoni is Crane Manager at Two Pillars Construction. He began his crane career as a rigger in 2006 and moved on to crane operations, pre-erection crane service and eventually became Lead Erector under the direction of Morrow Equipment. Dana has led crane operations for various companies throughout Western Canada on commercial and industrial projects. With his specialized expertise in mobile cranes and the assembly, reconfiguration and dismantling of tower cranes, Dana has been a valued member of the Board since mid-2023.

Past Board Directors

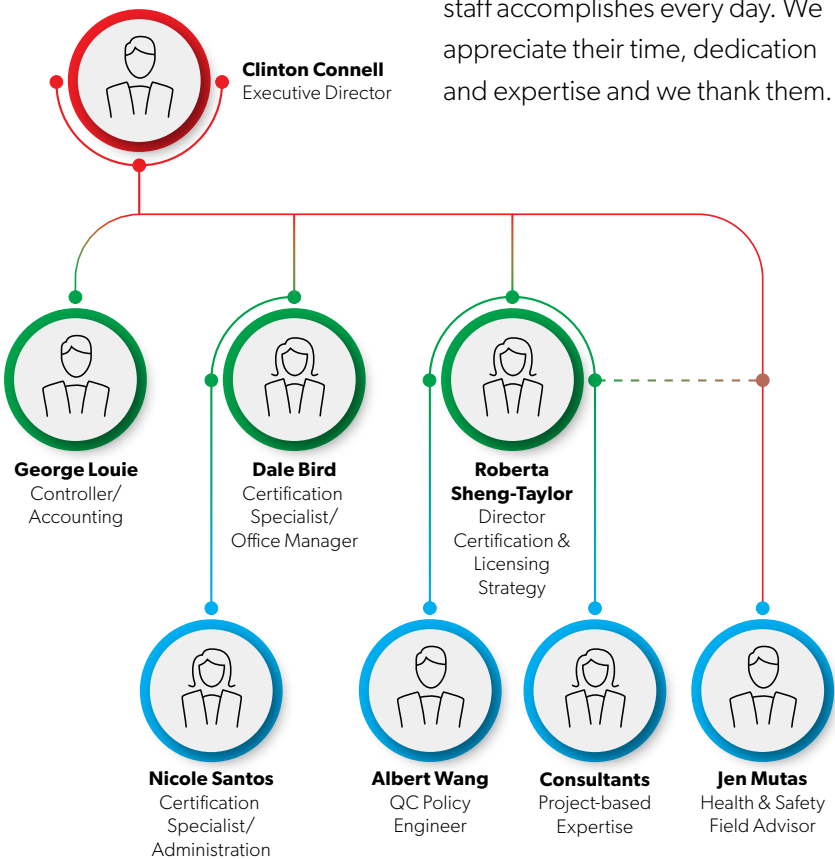
BC Crane Safety is grateful for the valuable contributions of our past Board members. They have seen us grow from just an idea in 2004 to a world-class certification authority now. All our past Directors have been driven by their commitment to developing and delivering a practical, effective crane operator certification system that works for everyone and maintains the highest global standards of safety and competence.

The BC Crane Safety success story would not be possible without their leadership and expertise.

Our Staff

We're proud of our team. Each staff member is a talented and experienced professional in their area of expertise including occupational health and safety, certification analysis and management, finance, administration, and operations.

The BC Crane Safety team keeps us going every day, managing occupational health and safety queries and initiatives, taking telephone enquiries, processing assessment records and certification applications and finances to support employers, supervisors and operators in the field. This is just a small fraction of what our staff accomplishes every day. We appreciate their time, dedication and expertise and we thank them.



PART 3 – BC CRANE OPERATOR CERTIFICATION

Certification by the Numbers — 2024

Thanks to the help of our assessment partners, Fulford Certification and SkilledTradesBC, there are more than 24,800 credentialed crane operators currently registered in B.C. There are about 1,670 new operators progressing through the system, working to earn their certifications every day.

BC Crane Safety oversees six levels of credentials for 11 different crane classifications.

Full Scope Certification means the person can operate the type of crane they were assessed on and any classified as being below that designation. There are no other restrictions.

The **Provisional** designation is intended for trainees and apprentices. It allows operators to gain experience under supervision by competent and qualified people until they get their Full Scope certification.

The **Limited Scope** designation means that the operator is permitted to operate a crane at a specific address for a specific employer. A change of employer means the operator needs a new certificate.

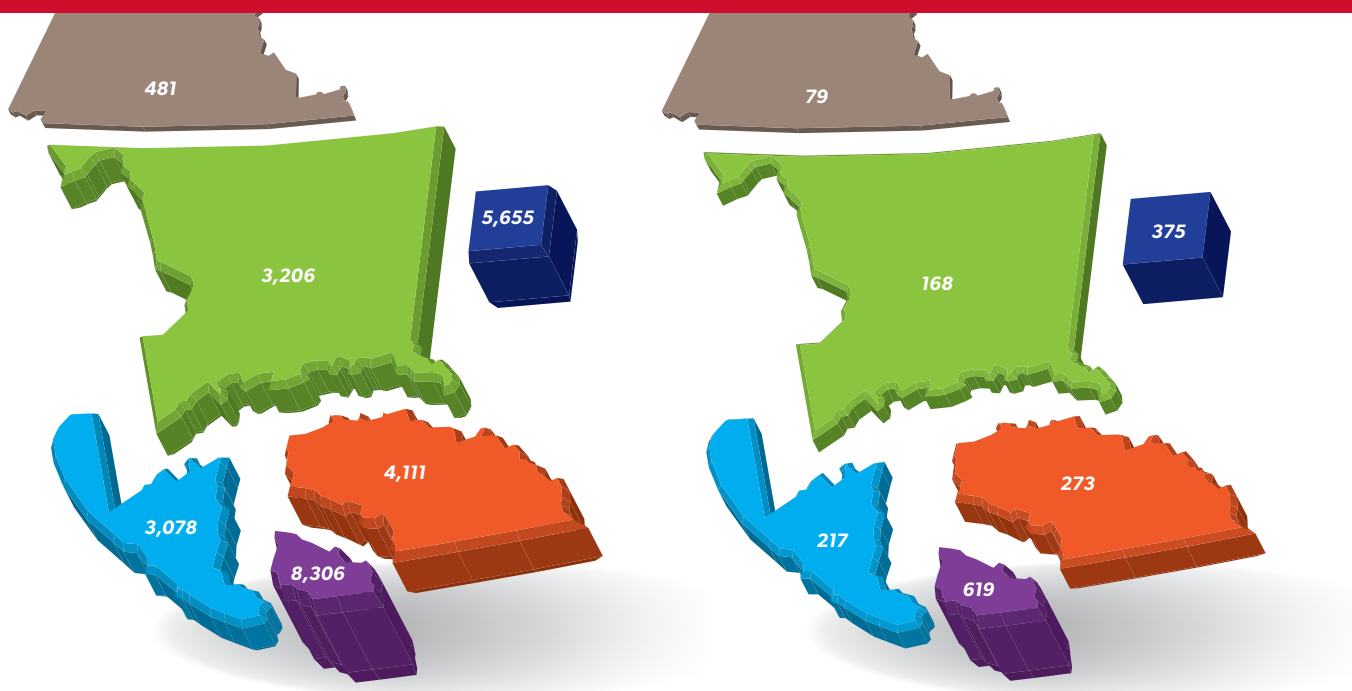
The **Crane Mechanic** credential is intended to allow mechanics to operate a crane for the purpose of repair and maintenance only. No commercial lifts are allowed.

The **Letter of Permission** is meant to allow a prospective operator to find out if operating a crane seems like a good fit before going on to get a Provisional for training. Direct supervision is always required.

Credential Recognition means that an operator from outside B.C. has had their out-of-province credential assessed and has met the requirements for certification.



Certification by the Numbers 2024



Total Active Registrations by Region — 2024

- Vancouver Island
- Interior
- Lower Mainland
- Northern BC
- Yukon
- Other Jurisdictions

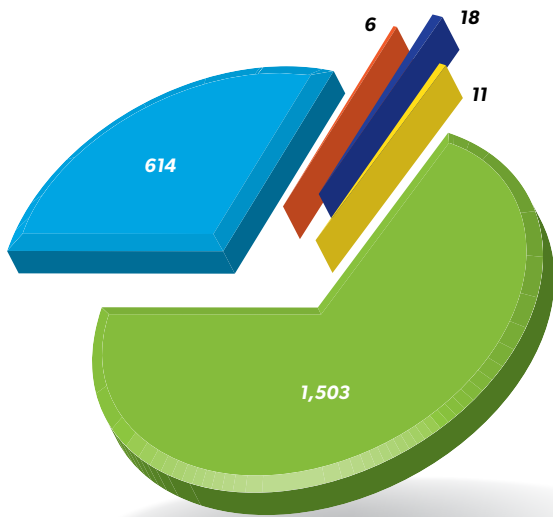
In 2024, BC Crane Safety had 24,837 active crane operator registrations on record

New Registrations by Region — 2024

- Islands/Sunshine Coast
- Interior
- Lower Mainland
- Northern BC
- Yukon
- Other Jurisdictions

Crane operations touch industries in all parts of BC, the Yukon and beyond. BC Crane Safety staff processed 1,731 new registrations in 2024.

registration and certification



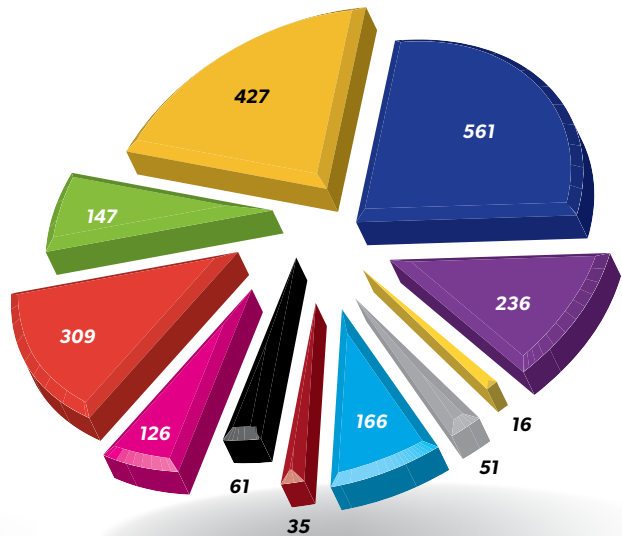
Certifications by Credential Type — 2024

- Full Scope
- Provisional
- Limited Scope/Fixed Location
- Crane Mechanic
- Letter of Permission

In 2024, BC Crane Safety authorized 2,152 crane operator credentials across all levels, classifications and regions.

competency evaluation

certification renewal



Certifications by Crane Type — 2024

- Folding Boom 10 tonnes & under
- Folding Boom 22 tonnes & under
- Folding Boom unlimited
- Stiff Boom 20 tonnes & under
- Stiff Boom 40 tonnes & under
- Stiff Boom unlimited
- Mobile Crane 20 tonnes & under
- Mobile Crane hydraulic 80 tonnes & under
- Mobile Crane
- Self-Erect Tower Crane
- Tower Crane

The Crane Mechanic and Letter of Permission designations are not tied to a particular type of crane and are therefore not included here.



The Safety Impact of Crane Operator Certification

The benefits of certification speak for themselves. Certification has led to a proven reduction in crane-related incidents in B.C. It also gives BC Crane Safety certified operators access to more opportunities to earn competitive incomes and enjoy satisfying careers. Because the BC Crane Safety certification program is so widely respected in the global community, operators have expanding opportunities to engage in various national and international markets.

Representatives from more than fifty industries that use cranes came together in 2004 to demand a certification program in B.C. That's why BC Crane Safety was formed: to develop the program — for industry and by industry.

Certification became a regulatory requirement in B.C. in 2007 and was adopted in the Yukon Territory in 2009. So far, no other Canadian jurisdictions have made the choice to raise the bar of safety in crane operations so high. Why? Developing a certification program and the required standards upon which it must be based takes an enormous amount of effort, determination and co-operation from industry. B.C. is particularly fortunate to have the necessary, ongoing will and support from stakeholders to maintain the integrity of our program.

Soon, BC Crane Safety's certification process will include a periodic maintenance element. This will attest to the currency of operators' competencies, knowledge and experience. It simply means that certified full scope crane operators will be able to show they are keeping up with OHS regulations, technology and work practices over the course of their careers.

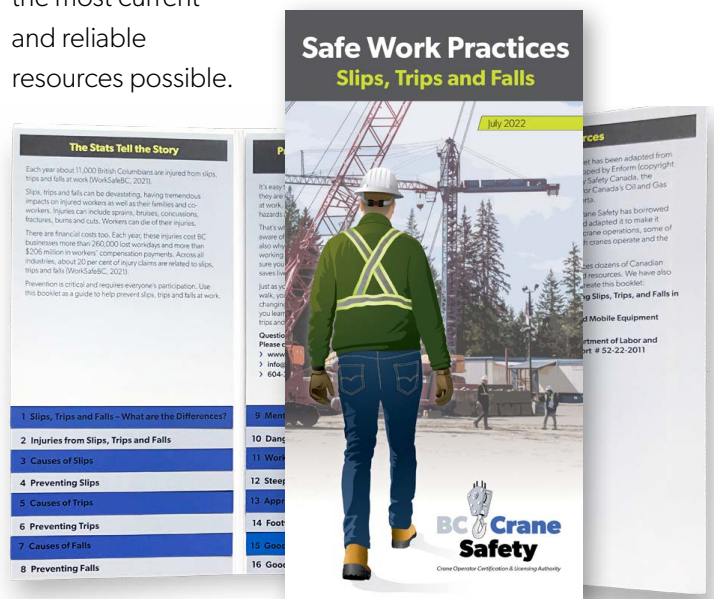
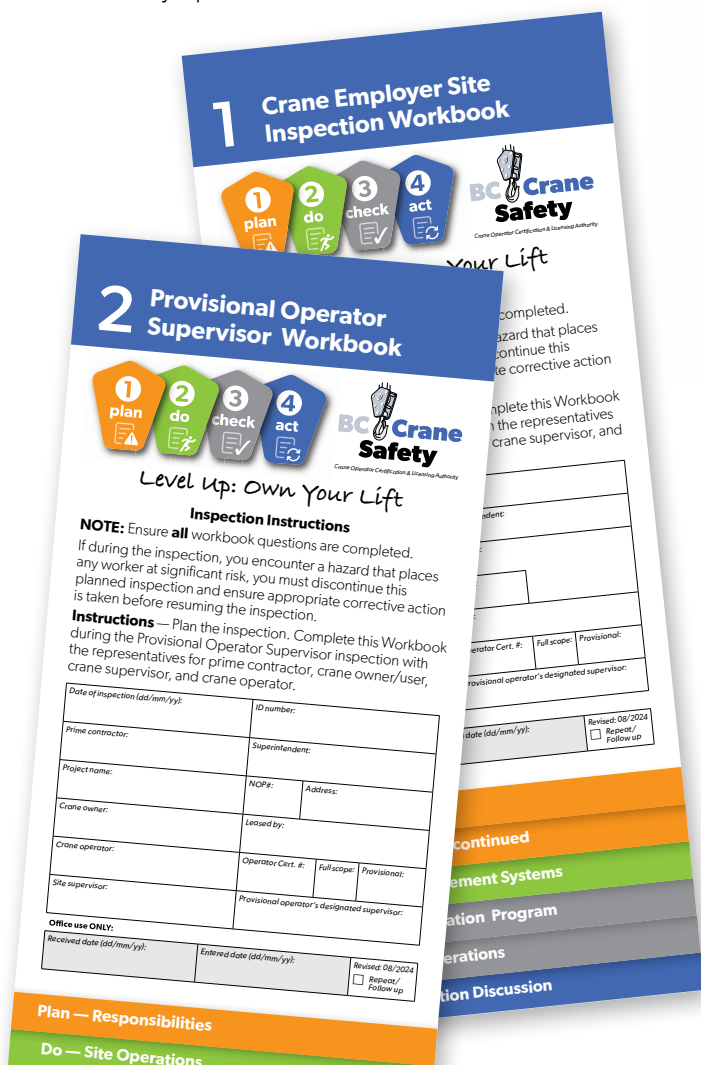


PART 4 – SUPPORTING THE INDUSTRY

BC Crane Safety plays a critical role in supporting B.C.'s thriving community of industries with a stake in safe crane operations. We regularly make a variety of occupational health and safety resources available to help support stakeholders implement safe work practices and fulfill their occupational health and safety responsibilities.

But there's more to it than due diligence. Our resources are designed to be practical, useful and easy to understand so that a focus on safety becomes a natural and fully integrated part of everyday work, resulting in safer workplaces, reduced risk, and a stronger safety culture. Our emphasis is on promoting commitment to the view that safety is not something that is "added on", but a proactive and regular part of doing site safety in daily operations.

Our stakeholder-driven resources help crane-using industries seamlessly weave robust safety management systems into everyday site operations and business practices. To achieve this, we work with collaborators like crane operators, employers, supervisors and owners. We also work closely with municipalities and provincial, territorial and international regulators, unions, trade associations and educators to provide the most current and reliable resources possible.



- We post hazard alerts and safety bulletins that address issues emerging from crane-related near misses, incidents or accidents.
- We develop current safe work practices such as inspection forms and workbooks, operator competency standards and orientation resources, mobile and tower crane/self-erect crane assembly/disassembly checklists, Infoflips, and provide worksite supervisors with helpful toolbox talks.
- We track leading trends and data on issues that can impact cranes and crane-related activities, operations, and upcoming health and safety requirements.

See them all on our *Resources and Health and Safety* pages at www.bccranesafety.ca

Here are some examples of the resources we produced in 2024. You can find them all, and many more on our Health and Safety page at www.bccranesafety.ca

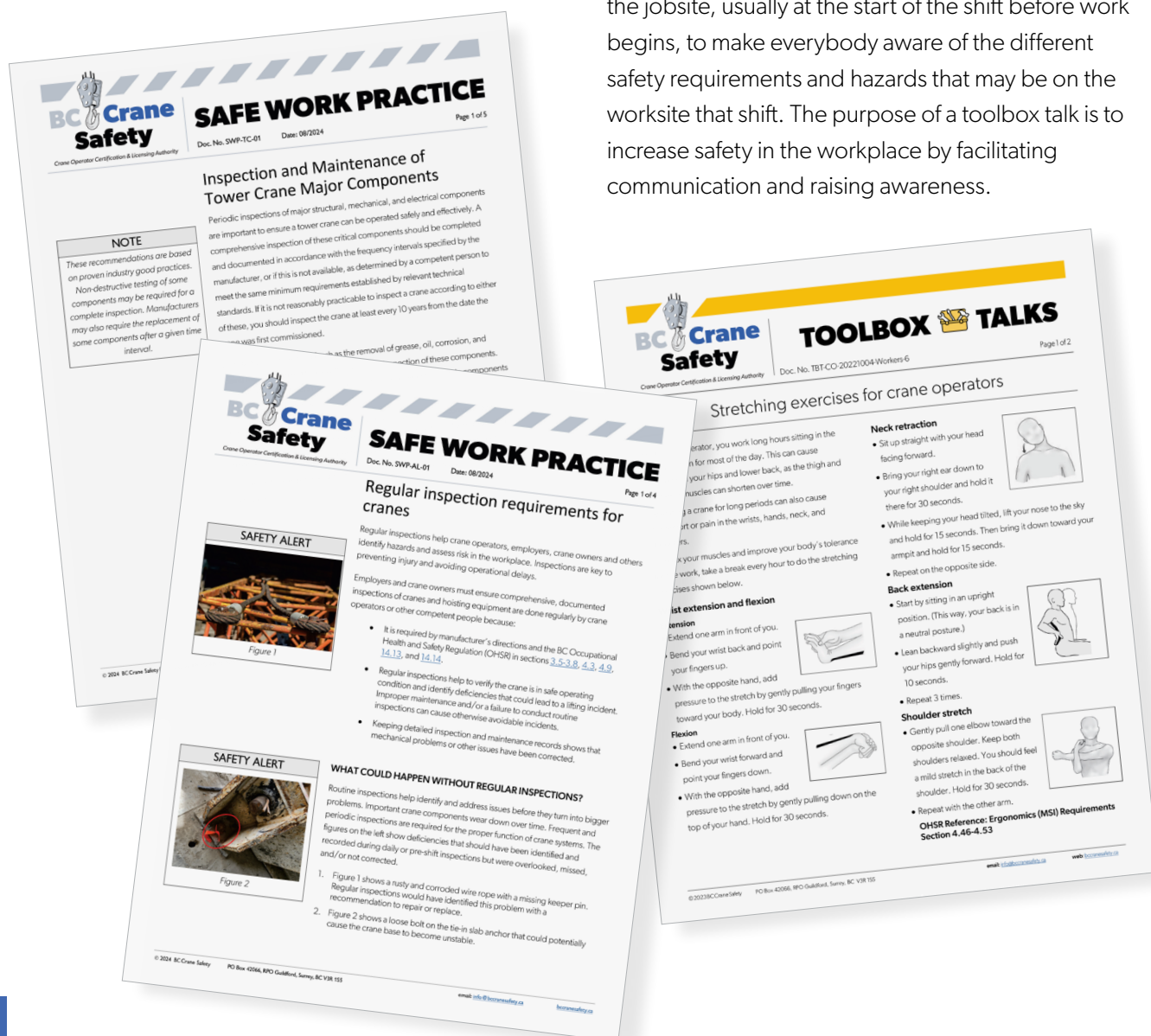
Safety Bulletins and Alerts

BC Crane Safety creates and publishes new Safe Work Bulletins and Hazard Alerts every year in collaboration with WorkSafeBC and other subject-matter experts. Our goal is to present regulatory requirements and important safety information in useful, easy-to-understand formats. Highlights from 2024 include bulletins addressing Regular Inspection Requirements for Cranes, and Inspection and Maintenance of Tower Crane Major Components.

Toolbox Talks

Supporting the safety goals of, and enhancing performance for, small and medium-sized crane companies in B.C. is a top priority for BC Crane Safety. Typically, these companies face resource constraints that can make it challenging to develop their own safety awareness tools in-house.

A toolbox talk meeting (sometimes called a tailgate meeting or morning safety talk) is a short session on the jobsite, usually at the start of the shift before work begins, to make everybody aware of the different safety requirements and hazards that may be on the worksite that shift. The purpose of a toolbox talk is to increase safety in the workplace by facilitating communication and raising awareness.



Staying Connected

BC Crane Safety toolbox talks cover five main categories: Equipment and Materials, Rigging, Site Administration, Workers, and Worksite Environment.

This year, we created a soon-to-be published series of 30 new crane-related toolbox talks, adding to our growing library of nearly one hundred talks. Anyone is welcome to use them, and more topics are being developed all the time.

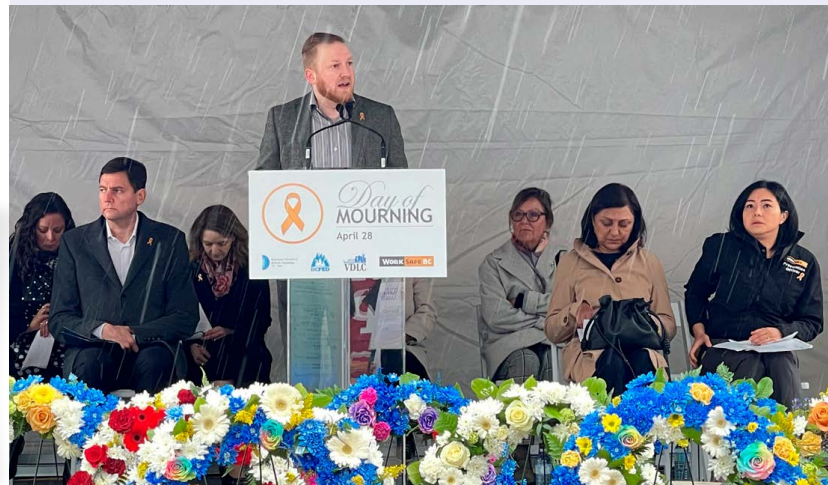
BC Crane Safety Remembers

Oakridge Development Site Fatality — February 21, 2024

We mourn the loss of Yuridia Flores, who was tragically killed during a workplace incident at the Oakridge Development site in Vancouver when a tower crane lost its load. BC Crane Safety sends sincere condolences to her family and loved ones as the anniversary of her death approaches as we publish this report.

Day of Mourning — April 28, 2024

BC Crane Safety honours the annual Workers' Day of Mourning which has been held for more than forty years to remember workers who have lost their lives on the job. This solemn day is meant to inspire action to prevent further tragedies.



Kelowna Memorial — July 12, 2024

In 2021, a workplace incident involving a tower crane in Kelowna took the lives of Patrick and Eric Stemmer, Jared Zook, and Cailen Vilness, all construction workers. The falling crane also hit another building, claiming the life of Brad Zawislak. BC Crane Safety continues to support the community's recovery and the development of a new memorial park to commemorate those lost in the tragic event.



Staying Connected

BC Crane Safety in the Global Community

BC Crane Safety works with organizations and associations around the world to share and learn about new developments in provincial, national, continental and international standards, regulations and crane safety best practices.

BC Crane Safety is a member of:

COCA – Council of Construction Associations

BCTA – BC Trucking Association (*B.C.*)

CCRA – Canadian Crane Rental Association
(*Canada, USA, France, the Netherlands, Australia, Taiwan*)

SC&RA – Specialized Carriers and Rigging Association (*USA, International*)

ESTA – European Association for Abnormal Transport and Mobile Cranes (*EU*)

BC Crane Safety has affiliated relationships with:

EGBC – Engineers and Geoscientists of BC

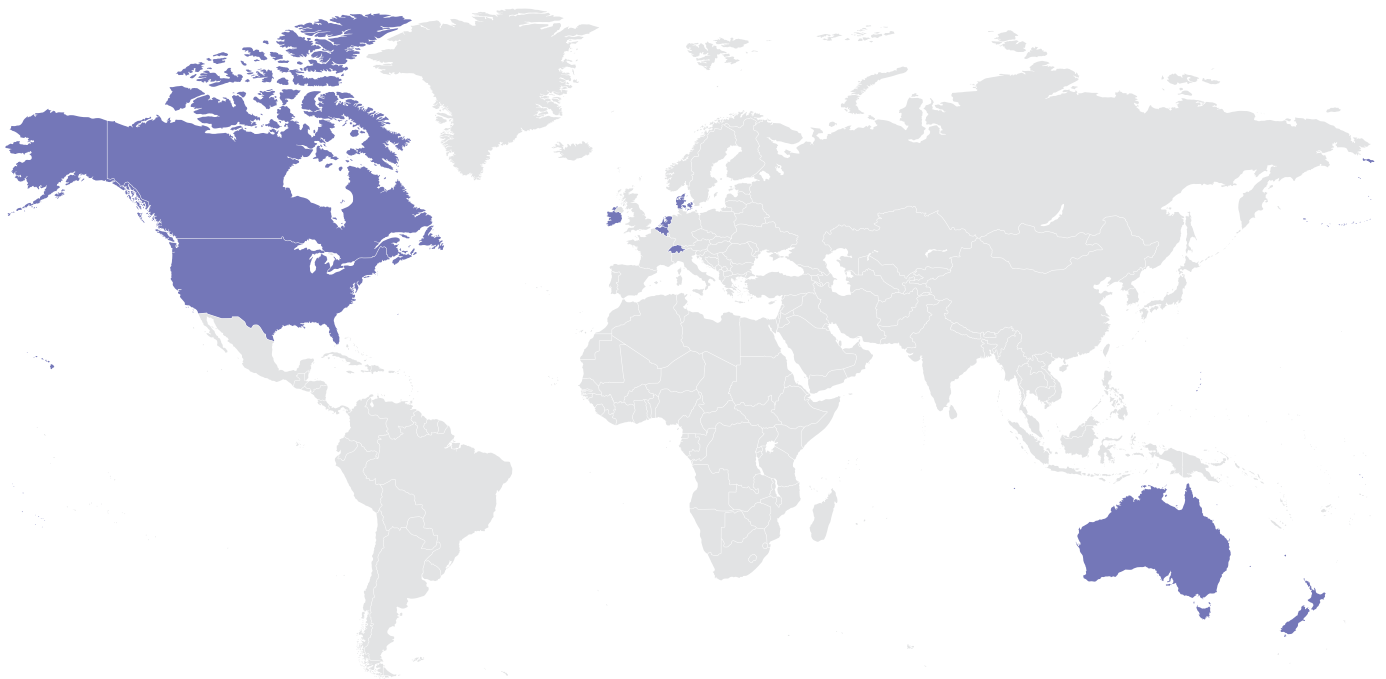
ECOL-ESTA – European Crane Operator
(*Belgium, Denmark, the Netherlands, Switzerland, B.C.*)

NCCCO – National Commission for the Certification of Crane Operators (*USA*)

SOLAS – An tSeirbhís Oideachais Leanúnaigh agus Scileanna (*Ireland*)

CICA – Crane Industry Council of Australia

CANZ – Crane Association of New Zealand



Canada



USA



Australia



Netherlands



Switzerland



Denmark



Belgium



New Zealand



Ireland

Outreach and Communications

In 2024, BC Crane Safety participated in a number of outreach activities. Here are some highlights.

Skills Canada Competition — April 17

BC Crane Safety teamed up with IUOE to reach out to potential young workers and launched the new Preventing Heat Stress Resource webpage.



IUOE Open House — June 15

BC Crane Safety attended the IUOE Open House to pass out information about our resources and branded products to generate awareness about the importance of safe crane operations.

Vancouver Airport Authority — June 26

Health and Safety Field Advisor, Jen Mutas, delivered a well-received in-person presentation to 40 contractors about crane safety near airports, discussed available resources, and how BC Crane Safety can be of service to all contractors.

Anthem Properties Group 'Lunch & Learn' — September 20

Jen Mutas delivered a hybrid in-person and online presentation to this general contractor group regarding upcoming regulatory changes for the Notice of Project – Tower Cranes, available resources, and rigging concerns in the industry. There were approximately 45 attendees.

Mechanical Contractors Association of BC (MCABC) 'Coffee Talk' — November 6

BC Crane Safety gave an online presentation informing members of our resources and services and had an extensive conversation regarding appropriate rigging and custom lifts/rigging.

TransLink — November 6

BC Crane Safety's Albert Wang and Jen Mutas met in-person with TransLink personnel to talk about potential opportunities for collaboration to support stakeholders, create awareness of available resources and discuss TransLink's responsibilities with cranes when they are the owner or prime contractor on site.

Jacob Bros. 'Safe Start' Campaign — November 21

Health and Safety Field Advisor, Jen Mutas, participated in an organizational meeting to plan the launch of Jacob Bros. "Safe Start" campaign, set to begin in 2025.

BC Formwork Association — November 25

Clinton Connell and Jen Mutas delivered a presentation to approximately 100 members regarding October 1, 2024 regulatory changes and general industry safety updates.

BC Construction Safety Association (BCCSA) — December 10

BC Crane Safety delivered a presentation at the BCCSA General Contractor Technical Advisory Committee (TAC) meeting to discuss October 1, 2024 regulatory changes including the Notice of Project – Tower Cranes, rigging concerns from industry, upcoming events and other emerging topics of interest to the industry.

Staying Connected

Newsletter

BC Crane Safety publishes a quarterly newsletter. The newsletter includes relevant seasonal and current topics related to health and safety, regulatory updates and requirements, new resources, training and recruitment tips, and helpful FAQs we receive at our office.



Social Media

BC Crane Safety uses its presence on social media to stay connected with timely information that is relevant to our stakeholders. We use our social accounts to:

- Highlight announcements and resources available on our website.
- Promote industry-wide awareness of important topics affecting crane operations.
- Support our outreach efforts.
- Foster collaboration with industry members and organizations.

Website — www.bccranesafety.ca

We are constantly improving our website with the goal of being industry's "one stop shop" for everything crane-related in British Columbia.

In June, we started building a knowledge base section with specialized pages dedicated to specific topics

like the in-depth Preventing Heat Stress page we launched in April at the Skills Canada competition. It provides timely support to workers, supervisors, employers and safety professionals with practical and detailed information on the prevention and

management of heat stress, and at the same time assists in achieving compliance with current regulations.

The Tower Crane Site Binder resource page is a crucial resource for ensuring regulatory compliance, specifically with the new Notice of Project for Tower Cranes (NOP-TC) regulation. It provides tools and checklists that aid in compiling all necessary due diligence documentation, demonstrating a commitment to safety, and helping tower crane operations meet B.C.'s regulatory standards.



Promoting Resilience In The Crane Operator Profession

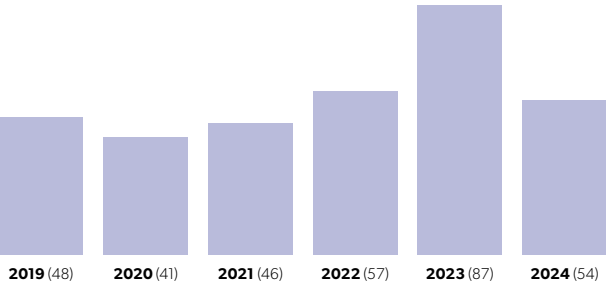
Part of BC Crane Safety’s mandate is to promote crane operations as an attractive career choice. We work with new entrants from all walks of life as they join the crane trades by providing a clear path to success.

Active Registrations by Demographic 2007—2024

MALES	AGE							Totals by district
	19 & under	20–29	30–39	40–49	50–59	60 & over	Unknown	
Lower Mainland	67	1,437	2,371	1,705	1,195	629	726	8,130
Island	16	421	747	632	497	388	306	3,007
Interior	27	461	1,022	794	696	557	473	4,030
North	43	532	814	543	432	266	509	3,139
Yukon	36	106	135	88	45	17	3	430
Other Jurisdictions	21	588	1,792	1,443	751	473	509	5,577
Total Males	210	3,545	6,881	5,205	3,616	2,330	2,526	24,313

FEMALES	AGE							Totals by district
	19 & under	20–29	30–39	40–49	50–59	60 & over	Unknown	
Lower Mainland	2	60	71	23	13	4	3	176
Island	2	19	27	14	3	4	2	71
Interior	4	20	21	17	12	1	6	81
North	0	19	28	12	8	0	0	67
Yukon	6	19	17	4	4	1	0	51
Other Jurisdictions	0	13	37	21	6	1	0	78
Total Females	14	150	201	91	46	11	11	524

New Female Registrations 2019—2024

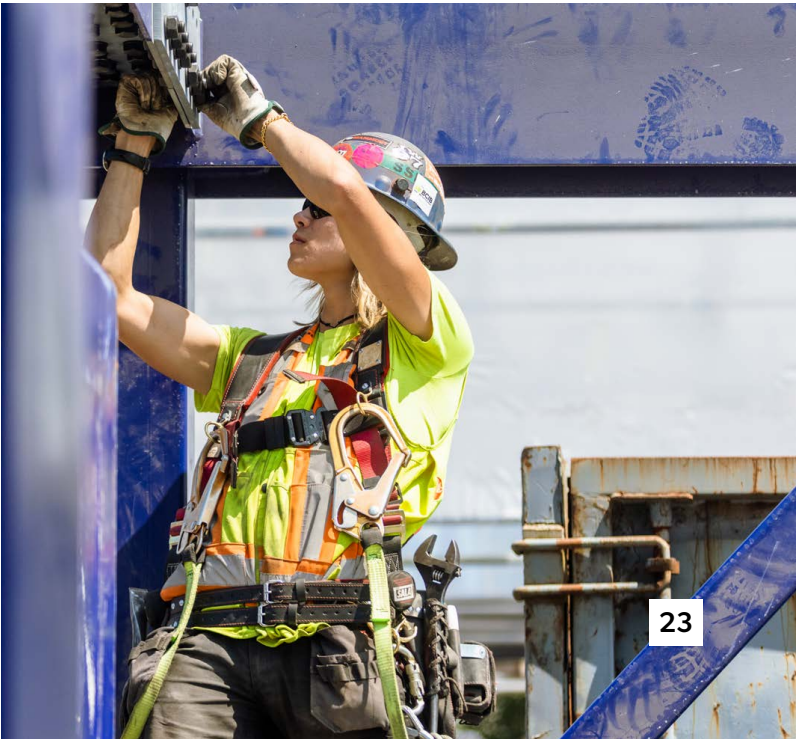


The Rosie Initiative: Empowering Women in Crane Safety

Through its collaboration with the Rosie Initiative, BC Crane Safety continues to take on programs to promote access to occupations in the crane industry. Over the course of 2024, BC Crane Safety has developed a survey to attract and train new talent from all available pools. This survey, slated to be released in early 2025, will help us all develop an improved understanding and appreciation of what people in the industry are experiencing when it comes to broadening recruitment from diverse backgrounds in industries like construction and crane trades.



BC Crane Safety supports the Rosie Initiative and the work it does to provide a platform for women to gain specialized training, leadership opportunities, and a sense of community within STEM industries. The initiative’s name, Rosie, is a nod to the iconic Rosie the Riveter, symbolizing the power and resilience of women in trades.



PART 5 – STANDARDS AND REGULATION

OHS Industry Events

As part of our mandate, BC Crane Safety participates in consultations with industry on matters that affect safe crane operations. In 2024, we started to create a registry of qualified tower crane assembly/disassembly supervisors to ensure the safe set-up, moving, climbing and disassembly of tower cranes. We also established a new Tower Crane Assembly Working Group, along with WorkSafeBC, that met several times in 2024 to iron out the details of how the new qualifications and registry would work.

Some of the highlights of our work toward improved standards, documentation and regulation include:

- Hosting the Tower Crane Working Group meeting March 18, 2024 with a follow-up meeting on July 23.
- Participating in the WorkSafeBC Tower Crane collaboration discussions April 19, 2024
- Delivering a joint presentation with WorkSafeBC at the June 13, 2024 CCRA conference.
- Participating in WorkSafeBC's November 5, 2024 Prime Contractor Senior Leadership Forum that addressed prime and general contractor responsibilities surrounding tower cranes on their jobsites.



PART 6 – LOOKING AHEAD

As we look forward to a busy and productive year ahead, our 2025 work plan includes several key objectives:

Data Visualization, Analytics and AI Framework

BC Crane Safety will complete and publish a new data dashboard that will help us, crane employers and WorkSafeBC collect and analyze OHS information affecting the industry more efficiently than ever before.

We're also developing an AI strategy, exploring tools to optimize our internal processes, governance, and achievement reports to increase transparency and communicate our work to stakeholders.

Notice of Project — Tower Crane (NOP-TC) Supervisor Qualifications

Throughout 2024, we've been working with industry and the provincial OHS regulator to define the standards for tower crane assembly and disassembly supervisor qualifications. To support this, we've been adapting the SkillRecord Passport app to house a registry so that it's much easier to determine supervisor competencies in the field.

Our goal is to have this BC Crane Safety Supervision Standard fully implemented in 2025.

Certification Renewal

Certification renewal every five years will help us achieve alignment with ISO/IEC 17024 which is a requirement mandated by the provincial regulator. We will continue to consult with industry to determine the requirements and process for crane operators to demonstrate their commitment to maintaining their professional competencies.

Preventive Crane Maintenance

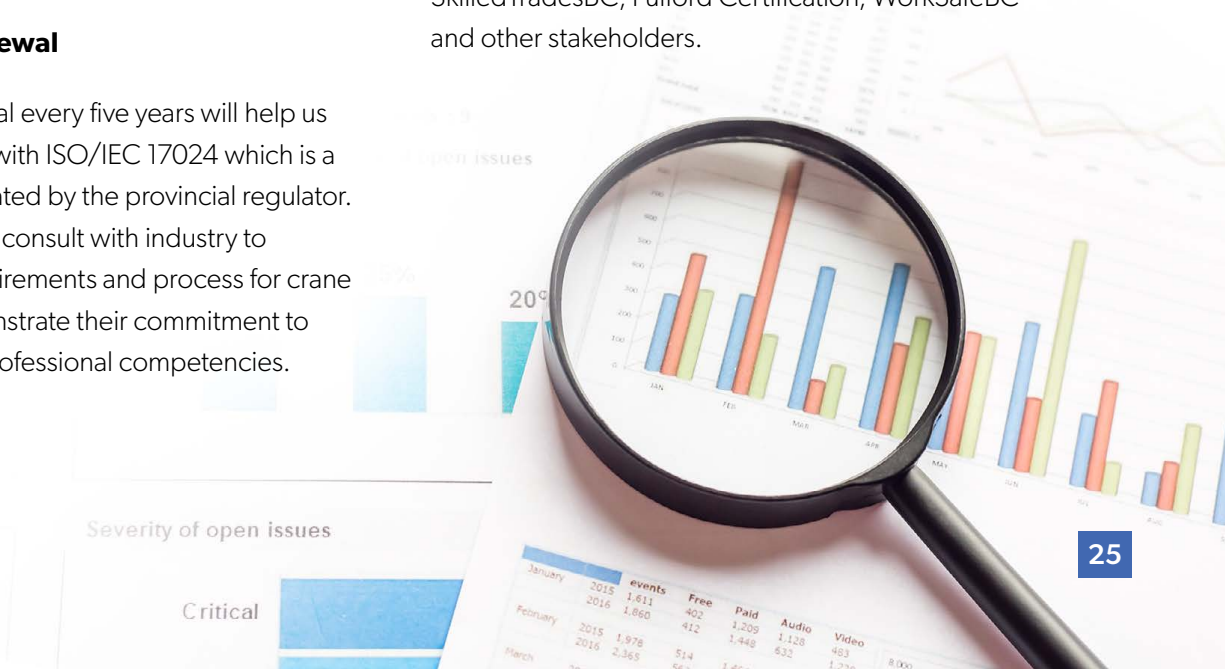
Our preventive maintenance resources are under constant review so that we can support all crane-using industries to meet standards and regulations.

We continue to develop our tower crane maintenance binder templates, revise our tower crane assembly and disassembly checklists and practices supporting EGBC Guidelines, Occupational Health and Safety Regulations and WorkSafeBC Prevention's Crane and Mobile Equipment Initiative.

Crane Operator Common Core Competency Standards

Core competency standards represent the knowledge, skills and aptitudes necessary for all crane operators, regardless of the equipment type they are operating. These are the foundation of the certification and assessment process.

BC Crane Safety will update, publish and communicate its crane operator core competency standards in co-operation with industry and labour representatives, SkilledTradesBC, Fulford Certification, WorkSafeBC and other stakeholders.



PART 7 – OUR COLLABORATORS

Since BC Crane Safety was officially established in 2005, we have had the privilege of consulting with hundreds of generous individuals who have volunteered their time and expertise to the development of B.C.'s crane operator certification system. They have been crane operators, owners, contractors, labour representatives, industry associations, suppliers, manufacturers and employers along with a host of other experts.

Without their contributions, we would not be where we are today. We sincerely thank everyone who has given their valuable time and knowledge to develop our world-class certification scheme.

In addition, we would like to extend our special thanks for the contributions of some of our key collaborators including:

- WorkSafeBC
- Yukon Workers' Safety and Compensation Board
- Fulford Certification
- SkilledTradesBC (*formerly the Industry Training Authority*)

- Employment and Social Development Canada
- International Union of Operating Engineers (IUOE)
- Engineers and Geoscientists BC (EGBC)
- Technical Safety BC
- BC Ministry of Jobs, Economic Development and Innovation
- City of Vancouver
- Metro Vancouver
- Standards Council of Canada (SCC)
- Canadian Standards Association (CSA)
- Canadian Crane Rental Association (CCRA)
- Canadian Hoisting and Rigging Safety Council (CHRSC)
- US Occupational Health and Safety Administration (OSHA)
- European Crane Operators Licence (ECOL)
- European Association for Abnormal Transport and Mobile Cranes (ESTA)





Workers' Safety and Compensation Board

Yukon

The Yukon offers many opportunities to start a highly rewarding career as a crane operator. Workplaces in the territory are thriving, including mining, residential and commercial construction, road-building and other major infrastructure projects. The demand for trained certified crane operators continues.

The Yukon Workers' Safety and Compensation Board (WSCB) is focused on setting new operators up for success and collaborates with BC Crane Safety to produce training supports. Yukon crane operators are certified under the same system as B.C. crane operators. This mutual agreement automatically provides Yukon crane operators the same national and international mobility as B.C. crane operators.

The Yukon-B.C. relationship has been going strong since the beginning. Yukon WSCB has played an indispensable role in the development of certification standards and the certification model itself.

In fact, the first competency assessments delivered under the certification

program were conducted in the Yukon in 2008. WSCB holds a non-voting position on the BC Crane Safety Board of Directors.

BC Crane Safety has an administrative oversight role, maintaining certification standards and supports such as the registration system and online logbooks. Theoretical and practical training is provided through the Yukon University and competency assessments are delivered by B.C.-based Fulford Certification.

This co-operative agreement means crane operators and employers in both B.C. and Yukon have access to a streamlined career path, along with the necessary support, information, resources and training they need to succeed.

Yukon WSCB and BC Crane Safety share the goal of ensuring crane operations safety, enhancing operator mobility, and improving overall industry efficiency.

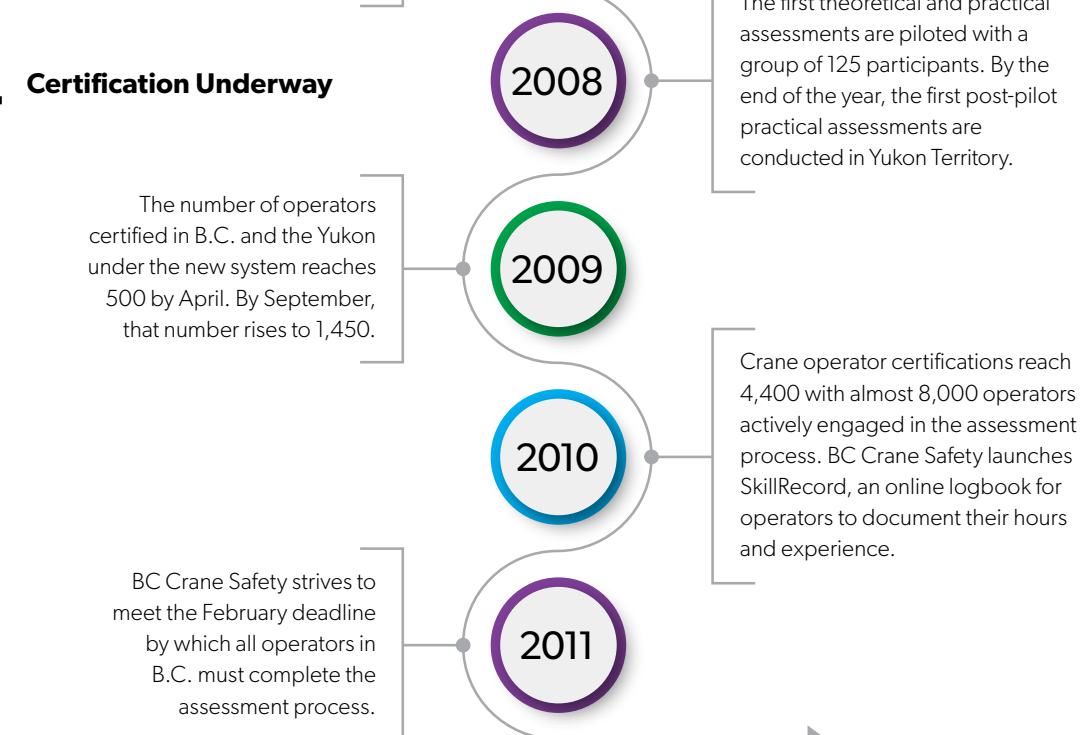


PART 8 – THE BC CRANE SAFETY JOURNEY

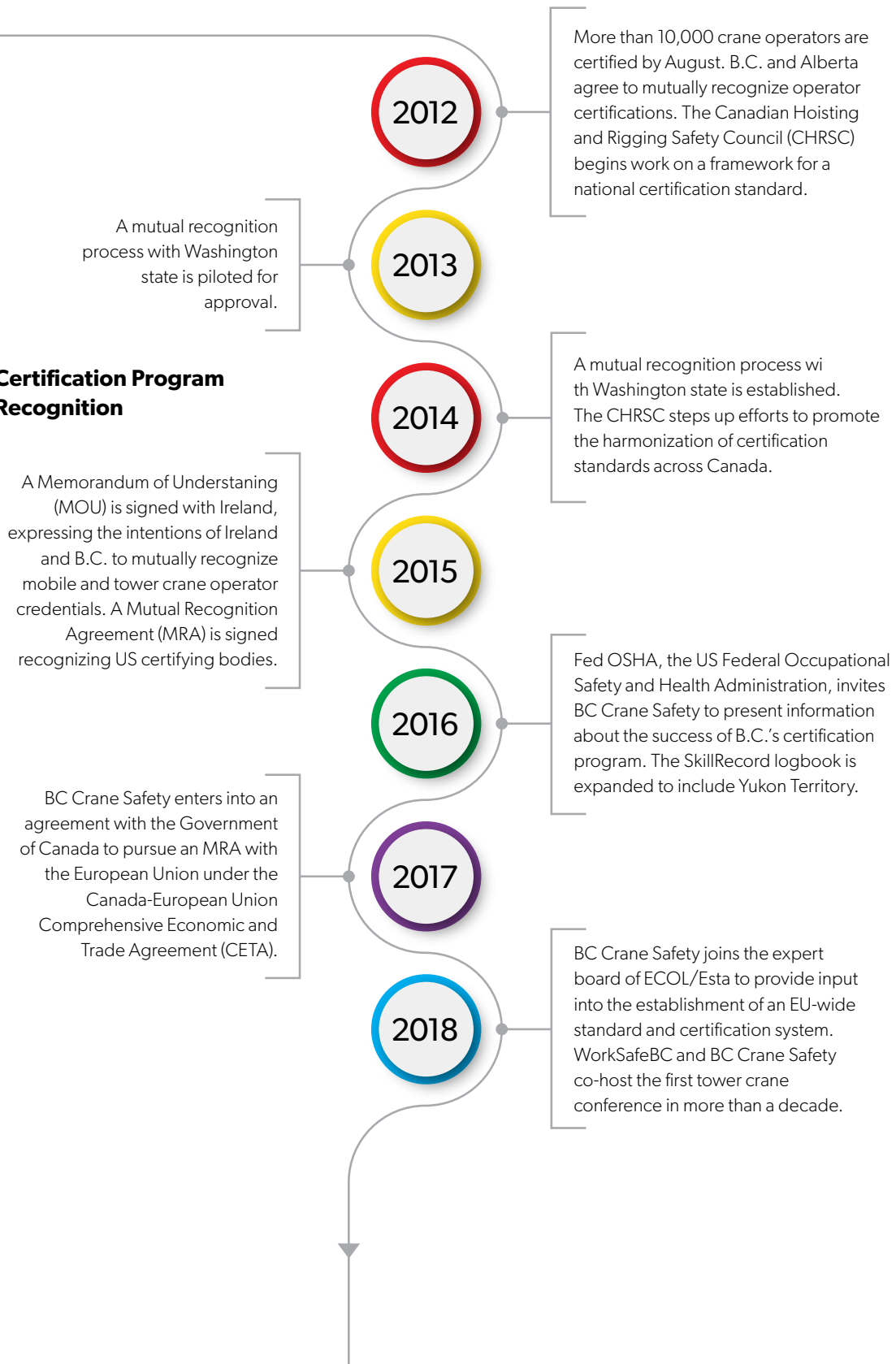
01 Certification Journey Begins



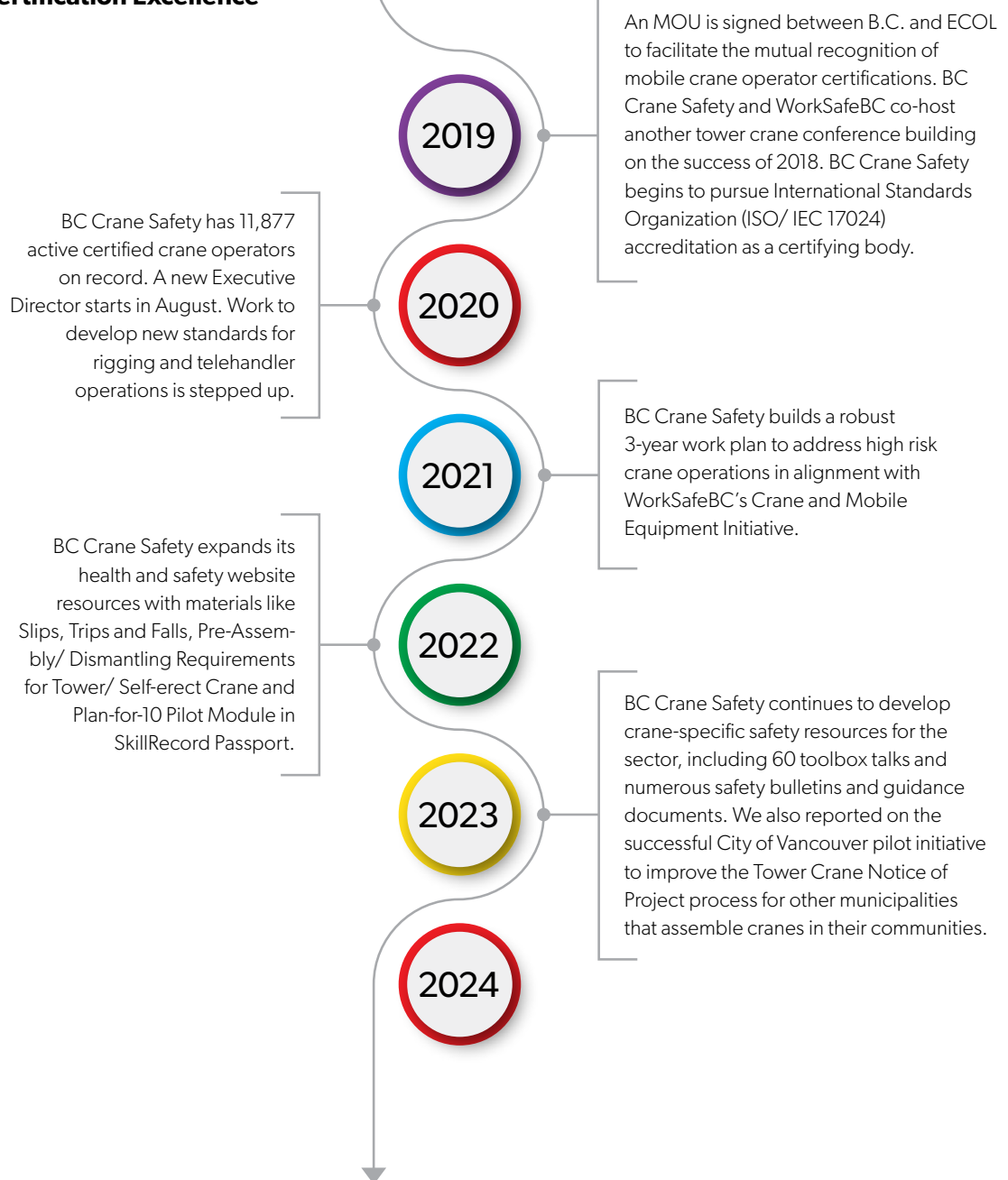
02 Certification Underway



03 Certification Program Recognition



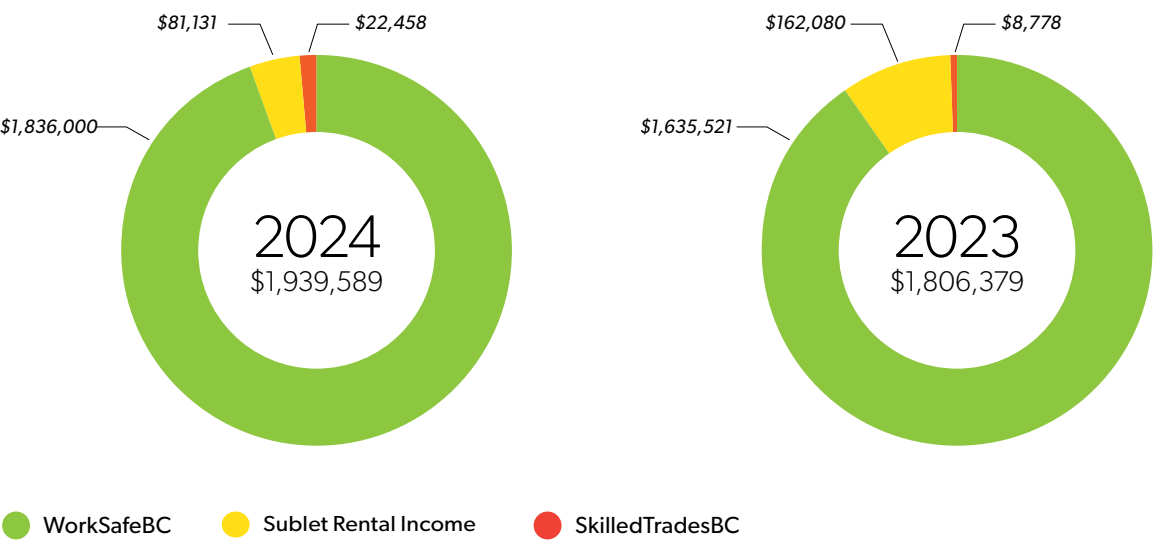
04 Certification Excellence



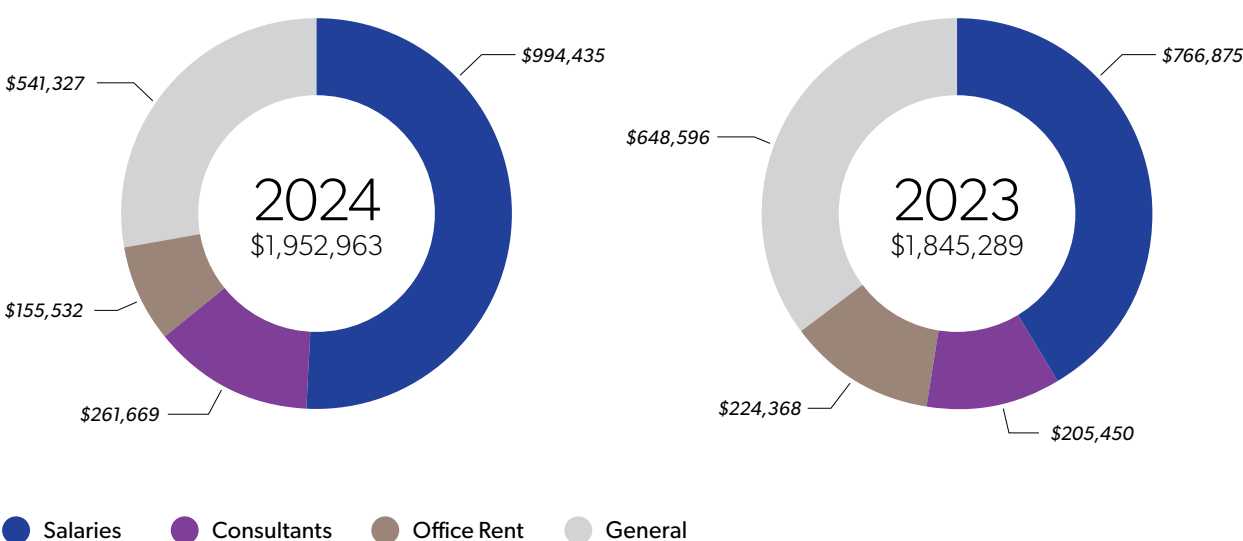
PART 9 – FINANCIAL STATEMENTS

BC Association for Crane Safety, 2024 Fiscal Year in Review

Funding — Operations



Expenditures — Operations



Audited financial statements can be viewed at: www.bccranesafety.ca/about/year-end-reports







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