



THE LOOKOUT

Your quarterly VMCC update



Founder's Message

Hello Colleagues and Industry Friends,

I trust this message finds you well and in good spirits ahead of the holidays.

Our collective achievements this year have been impressive, but our journey is far from complete. The challenges ahead require us to redouble our efforts, foster innovation, and drive change with renewed vigour.

In this spirit, VMCC is actively seeking partnerships for Transport Canada's Green Shipping Corridor Program. If you are interested in joining forces for grant or contribution funding, please reach out.

The upcoming holidays provide us with an opportunity to reflect on our accomplishments and set the stage for a prosperous 2024.

Wishing you and your loved ones a joyous holiday season, and I look forward to achieving even greater milestones together in the coming year.

Elisabeth Charmley
Executive Director, VMCC



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- Second Year of GreenShip!
- HaiSea Fleet Reaches New Milestones
- Navigating the Waves of Change: Insights from the Green Ports Forum Workshop 2023
- Funding Corner:
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 - Mitacs Accelerates Cleantech Projects

GCT Formalizes Net Zero Commitment



Article written by Denise Trent
Manager, Corporate Affairs
GCT Global Container Terminals

On November 16th, 2023 GCT Global Container Terminals (GCT) was proud to formalize our emissions reduction efforts by signing onto the federal government's Net Zero Challenge.

Reaching the target of net zero by 2050 will require ambition, innovation, and collaboration between industry and all levels of government.

By investing now, GCT ensures Canada remains competitive in the low-carbon global economy and support our collective goals in mitigating the effects of climate change. We strive to be an industry leader in supporting Canada's and British Columbia's climate objectives.

GCT's commitment to sustainability is outlined in our Global Commitment initiative, which reflects our ongoing dedication to the environment, safety, and community.

Following the recommendations and actions set out in the Government of Canada's 2030 Emissions Reduction Plan, GCT will build on the investments already made to reduce emissions by:

- Starting light-duty fleet electrification through the introduction of three electric vehicles, including a 19-passenger mini bus, a delivery vehicle, and a security truck; with a commitment to complete the entire light duty electrification by 2030;
- Adding 6 new electric ship-to-shore cranes;
- Installing LED lighting; and
- Investing in low-emission container handling equipment.

Article continues on next page...



GCT Net Zero event



Eric Waltz, President & CEO, GCT



GCT Deltaport: Electric 19-passenger minibus



GCT Deltaport: Electric Cantilevered Rail Mounted Gantry cranes

Canada's Net-Zero Challenge

There are currently 143 companies signed onto the Net-Zero Challenge nation-wide. The Challenge encourages businesses to develop and implement credible and efficient plans to achieve net-zero emissions by 2050.

Minimum Requirements - Companies Must:

- Set a net-zero emissions target for 2050 or earlier
- Complete a Preliminary Participation Checklist
- Complete a Comprehensive Participation Checklist
- Set at least two interim reduction targets
- Report on Progress annually
- Review and update net-zero plans every five years
- Conduct and make public climate-related financial disclosures (SMEs exempt)



GCT Formalizes Net Zero Commitment

Article written by Denise Trent | Manager, Corporate Affairs | GCT Global Container Terminals

In addition to decarbonizing of operations, GCT is also dedicated to supporting the federal government’s work with the other signatories of the Clydebank Declaration, as we all work towards establishing green shipping corridors that will accelerate broader decarbonization of the shipping sector and its fuel supply.

Additionally, maintaining Green Marine certification at all terminals underscores our dedication to high environmental standards.



GCT Vanterm: Electric delivery vehicle

GCT has implemented a range of initiatives resulting in a nearly 20% reduction in emissions intensity per container moved throughout operations. Noteworthy achievements include the installation of 28 electric vehicle (EV) chargers at GCT Deltaport and GCT Vanterm, with an additional 26 chargers set for commissioning this year. These chargers, along with the introduction of three electric vehicles have contributed to eliminating 350,000 kg of greenhouse gas emissions from our communities in 2023.

Eric Waltz | President & CEO of GCT Global Container Terminals

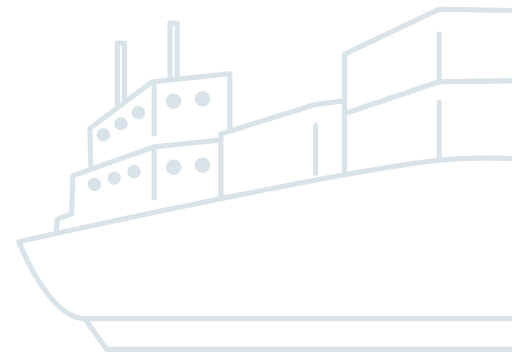


The investment in innovation provides us with an opportunity to do better, safer, and in a more environmentally friendly way.

Taking on the Federal Net Zero Challenge reinforces our focus on environmentally responsible practices at our terminals. As we continue to expand and increase capacity, sustainability will remain a core value.

Going beyond regulatory requirements, GCT has achieved Climate Smart certification, demonstrating absolute emission reductions equivalent to removing over 8 million miles driven by an average gasoline-powered passenger vehicle.

As the largest tenant of the Vancouver Fraser Port Authority, GCT looks forward to collaborating further with industry partners in support of the port authority’s vision for the Port of Vancouver to be the world’s most sustainable port.



LEARN MORE

**GCT’s Global
Commitment Initiative**
<https://t.ly/YuWzv>



Climate Smart
t.ly/DnrOK



Green Marine
<https://t.ly/ZpOFV>



GreenShip 2023 A Resounding Success!

Article written by VMCC

On November 2nd, 2023, VMCC orchestrated the second annual GreenShip Conference, a remarkable gathering held at the JW Marriot Parq Vancouver in the Kitsilano Ballroom.

The Conference brought together industry professionals from across Canada, the USA and Europe to discuss maritime decarbonization.

This year, we had 159 attendees, 43% of whom held senior managerial positions or higher within their respective companies.

A substantial 86.6% of participants hailed from British Columbia, underscoring the local resonance and significance of the conference.

Additionally, GreenShip transcended geographical boundaries, attracting industry professionals from across Canada, the USA, Europe and Asia, fostering a global dialogue on maritime decarbonization.

Together, we have the power to shape a new maritime industry and contribute to a sustainable and resilient future.

We are inspired by the shared commitment to advancing maritime decarbonization, and we look forward to building on this success in the years to come.

Thank you to everyone who contributed to making GreenShip 2023 a success.

Our heartfelt gratitude extends to our generous sponsors whose support was instrumental in bringing the second annual conference to fruition.

Here's what attendees had to say:



Great format—presentations & networking opportunities. Overall informative/relevant agenda.



Great food and venue!



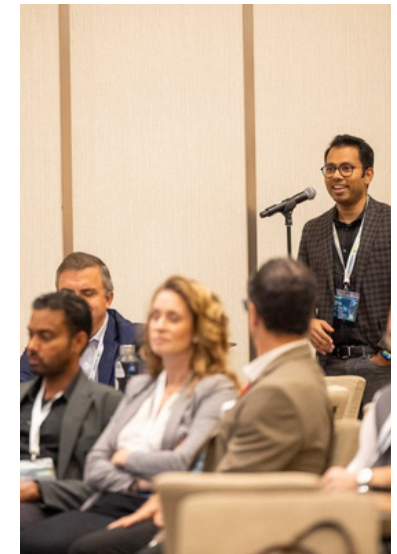
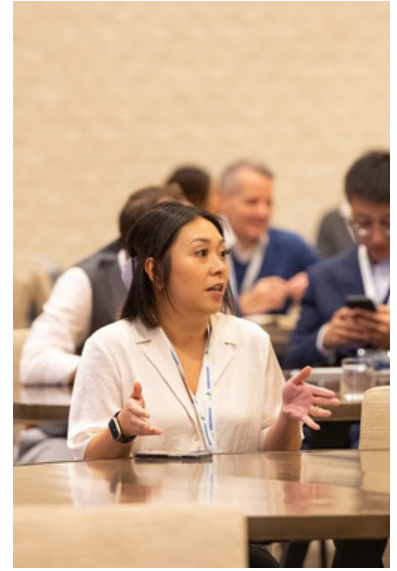
Compact conference with opportunities to network.

100% of respondents expressed a keen interest to reattend in the future.



Good mix of local flavour and international participants.

100% of respondents indicated that the event was relevant to their current position, with all ranking it 7 or higher on a scale of 1 to 10.



Thank you for attending GreenShip 2023!

The HaiSea Fleet Reaches New Milestones

Story adapted from Seaspan

You may remember reading about the HaiSea Wamis completing its maiden voyage in our last newsletter.

HaiSea Wamis is the first of three ElectrRA 2800 battery electric tugs designed by Robert Allan Ltd. for Canada's HaiSea Marine—a joint venture majority owned by the Haisla Nation in partnership with Seaspan ULC.

Earlier this year HaiSea Wamis received the Tug of the Year award, in recognition of its emission reduction capabilities and groundbreaking environmental performance and design.

Since our last newsletter the HaiSea Fleet has continued to reach new milestones taking us all one step closer to a decarbonized marine industry.

What's happened over the last quarter?

News From

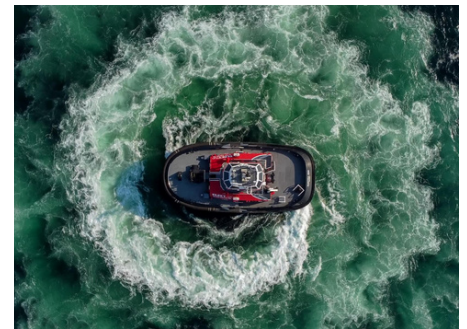
The HaiSea Fleet

HaiSea Wamis Completes It's First Job

The Argent Iris, a 30,000+ tonne oil tanker, entered the harbour on October 18th, with a successful escort by the HaiSea Wamis. The inaugural job was a momentous moment for the maritime industry and the future of zero emission ship escorts.



The HaiSea Wee'git will perform missions in the Vancouver Harbour alongside the HaiSea Wamis until the fleet sets sail for Kitimat where it will be based and provide ship-assist and escort towing services to LNG carriers calling at LNG Canada's new export facility.



HaiSea Wee'git Arrives in North Vancouver

The second fully electric tugboat in HaiSea's fleet—the HaiSea Wee'git—officially arrived in North Vancouver this October.

The HaiSea fleet sets a global example for a decarbonized marine industry. We can't wait to continue sharing updates from the remarkable work of VMCC members Seaspan ULC and Robert Allan Ltd.



Tugs are not the only electric commodity in Seaspan's fleet. The company debuted two new electric employee shuttle buses in November, featuring custom, Indigenous artwork designed by Olivia George of the Tsleil-Waututh Nation and Ray Natraoro of the Squamish Nation.

Navigating the Waves of Change: Insights from the Green Ports Forum Workshop 2023

Written by Juvarya Veltkamp
Senior Advisor, Green Ports Forum
C40 Cities



This September, C40 Cities' Green Ports Forum convened its second workshop in Singapore, co-hosted with the Maritime and Port Authority of Singapore. 37 senior representatives and climate leaders from 11 ports and 8 cities engaged in robust discussions alongside leading industry partners, such as the Global Maritime Forum and the Aspen Institute.

The workshop focused on developing a tangible strategy and 2024 action plan for the Green Ports Forum, with an emphasis on fostering global collaboration.

Challenges of Electrification: From Shore Power to Large-Scale Pilots

Discussions at the workshop spotlighted the challenges of electrification and shore power initiatives for ports. Grid capacity limitations, insufficient land adjacent to ports for clean energy generation and storage infrastructure, and the upfront costs of the transition took centre stage. Given the complexity of port governance structures and number of distinct operators, the pressing need for large-scale pilot projects became evident.

These pilots must include collaboration along the value chain, and inform feasibility of energy generation at port, or dispel safety concerns from the community, as examples.

Fueling the Future: Bridging Gaps in Zero-Emission Supply Chains

Participants underscored the glaring gap between the rising demand for zero-emission fuels and the current supply chain's limitations, as well as the IMO's new goal to reach 5-10% zero-emission fuels by 2030.

Shipowners face hurdles in securing scalable and affordable options, while clean fuel producers seek certainty through multi-year offtake agreements.

Demand aggregation and collaboration across the value chain are deemed crucial to bridge the demand-supply gap. Initiatives like Green Shipping Corridors, the Aspen Institute's Zero Emissions Maritime Buyers Alliance, and the International Chamber of Shipping's Clean Energy Marine Hubs were spotlighted as essential tools to aggregate demand and foster collaboration.



Christine Peterson, Director
International Trade and Investment,
City of Los Angeles Mayor's Office

Decarbonization and Economic Growth: A Catalyst for Green Jobs

The maritime sector emerges as a pivotal player in the energy transition, in particular with respect to offshore wind projects that rely on ports as hubs for transportation, assembly, storage, and maintenance.

These projects accentuate the integral role of ports in clean energy infrastructure and in local economic growth.

Green job creation emerged as a focal point of forum discussions, aligning with C40 cities' goal to generate 50 million good, green jobs by 2030. The intersection of sustainable development, clean innovation, and local green employment emerged as a central theme.



Bryan Buggey, Co-Founder, VMCC and EVP,
Invest Vancouver speaking about VMCC's
cross-value chain industry collaboration



Live scribing by Jayce Pei Yu Lee,
The Value Web

Navigating the Waves of Change: Insights from the Green Ports Forum Workshop 2023

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Global Gravitation: The Challenge of Financing and Inclusive Strategies

While the US unveiled a monumental \$2 trillion investment in infrastructure and the clean energy transition, concerns about a gravitational pull to the US - with the potential exclusion of other regions, in particular the Global South - concerned stakeholders.

The need for an inclusive financial ecosystem, involving investors, banks, and insurers, alongside a well-defined maritime financing strategy, was underscored.

Concessional finance and capacity-building efforts were deemed crucial, especially in regions with limited resources, to ensure an equitable global transition.

The Green Ports Forum Workshop 2023 served as a platform for insightful discussions and laid the groundwork for tangible initiatives that will commence in 2024, supporting the maritime industry's journey toward sustainability and resilience.



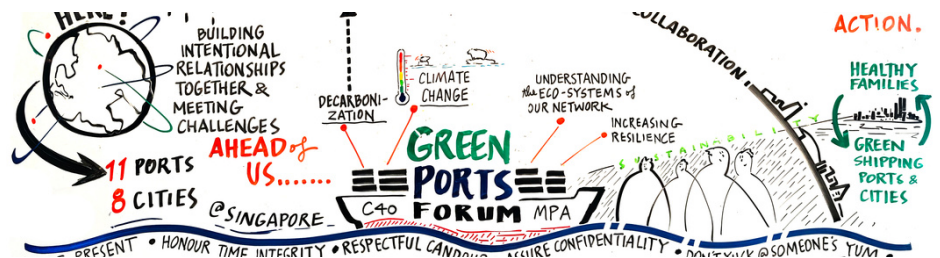
Co-hosts MPA & C40



L to R: Olivia Oo, Head of APAC Partnerships, Breakthrough Energy & Leah Ma, C40 Port & Shipping Senior Manager, China



Green Shipping Corridors Leaders Summit



Towards Green and Digital Shipping Corridors: A COP28 Unveiling

The Ports of Los Angeles, Long Beach, and Singapore, in collaboration with C40's Ports & Shipping team, unveiled a partnership strategy for the Green and Digital Shipping Corridor at COP28.

The strategy outlines a vision to accelerate the maritime shipping industry's decarbonization, with an emphasis on achieving net-zero GHG emissions, fostering green shipping best practices, and deploying technology and digital solutions for supply chain efficiency.



SCALE YOUR PROJECTS

FUNDING CORNER

Transport Canada's Green Shipping Corridor Program



The Green Shipping Corridor Program (GSCP) provides funding for projects that contribute to the establishment of green shipping corridors and the decarbonization of the marine sector along the Great Lakes, the St. Lawrence Seaway as well as Canada's East and West Coasts.

- The Clean Vessel Demonstration Stream - Grants
 - Up to \$125K per project/recipient or 50% of total eligible project costs, whichever is less
 - **Deadline: January 8, 2024**
- The Clean Vessel Demonstration Stream - Contributions
 - Contribute a maximum of 50% of total eligible project costs, not to exceed \$2.5M
 - **Deadline: February 26, 2024**
- The Clean Ports Stream - Contributions
 - Contribute a maximum of 50% of total eligible project costs, not to exceed \$25M
 - **Deadline: February 26, 2024**

VMCC is actively seeking partnerships for this program. If you are interested in partnering, please reach out to info@vmccclimate.ca.

LEARN MORE >  tinyurl.com/22txxcz5



www.vmccclimate.ca



info@vmccclimate.ca



www.linkedin.com/company/vmccclimate/



Mitacs Accelerates Cleantech Projects

For a limited time, Mitacs is enhancing its cleantech investment to double the usual amount. For every unit valued at \$15,000, Mitacs will contribute \$10,000, with your investment being only \$5,000.

Projects must involve the research, development, or novel implementation of innovative technologies or processes to positively impact land, air, or water.

LEARN MORE 



tinyurl.com/4s9z2twh



Deadline: Feb. 9, 2024

LET'S DO MORE -

LET'S DO BETTER -

TOGETHER.