



2023 Conference and Trade Show

Conférence et salon professionnel de l'ACT

September 17 - 19 septembre



Canadian Ferry Association | Association canadienne des traversiers

204 - 78, rue George Street

Ottawa, ON K1N 5W1

@cdnferry • info@canadianferry.ca • Tel: 613.686.3838 • Wifi Pass: CFA23



Welcome

Welcome!

We are so excited for this year's Canadian Ferry Association Conference and Trade Show, hosted here in Vancity. This year's conference agenda features numerous experts with key presentations surrounding important conversations in our sector.

Ferries and the communities they serve – People, the environment, and the economy will emphasize the balance between people - both crew and passengers, the environment - from marine life to the air we all breathe, and the economy – bringing goods to stores, tourists to our beautiful country, and employees to their work. The ferry sector like Canada itself is very diverse, and as such various perspectives on important community issues will be discussed, including from Indigenous communities throughout Canada as we must remember that ferries pass through unceded lands.

This conference is the premiere event in the nation for ferry owners, operators, employees, and stakeholders to gather. Our Exhibitor Trade Show will be in full swing, and as always there will be plenty of networking opportunities, so please take every advantage to learn and share while here.

CFA is the voice of Canada's ferry sector, and our achievements are not possible without your support. To all of our members, conference sponsors and exhibitors and our delegates, thank you for your contributions.

Welcome to beautiful Vancouver, and we hope you enjoy the conference!



Callum Campbell
Chair of the Board



Serge A. Buy
Chief Executive Officer

Bienvenue



Bienvenue!

L'excitation est à son comble à l'égard de l'édition annuelle de la conférence et salon professionnel de l'Association canadienne des traversiers (ACT), organisée ici à Vancity. Cette année, de nombreux spécialistes figurent au programme de la conférence, avec des présentations clés autour d'importantes conversations au sein de notre secteur.

Les traversiers et les collectivités qu'ils servent – Population, environnement et économie mettra l'accent sur l'équilibre entre les personnes, aussi bien les membres d'équipage que les passagers, l'environnement, de la faune et de la flore marines à l'air que nous respirons toutes et tous, et l'économie, soit le transport des marchandises à destination des magasins, des touristes à destination de notre beau pays et des employés à destination de leur lieu de travail. À l'image du Canada, le secteur des traversiers est très varié. À ce titre, divers points de vue seront abordés concernant d'importantes questions communautaires, notamment ceux des communautés autochtones de tout le Canada, puisqu'il ne faut pas oublier que les traversiers passent au travers de terres non cédées.

Cette conférence constitue le principal rendez-vous dans le pays pour les propriétaires et exploitants de traversiers ainsi que pour les employés et les parties prenantes du secteur. Notre salon des exposants battra son plein et comme toujours, les possibilités de réseauter abonderont. Nous vous invitons donc à profiter de chaque occasion d'apprendre et d'échanger durant votre séjour.

L'ACT est la voix du secteur canadien des traversiers et il nous serait impossible d'accomplir quoi que ce soit sans votre soutien. Nous remercions pour leur contribution tous les membres, les commanditaires et les exposants de la conférence, sans oublier les délégués.

Nous vous souhaitons la bienvenue dans la magnifique ville de Vancouver et espérons que vous apprécierez la conférence!



Callum Campbell
Président du conseil



Serge A. Buy
Président - directeur général



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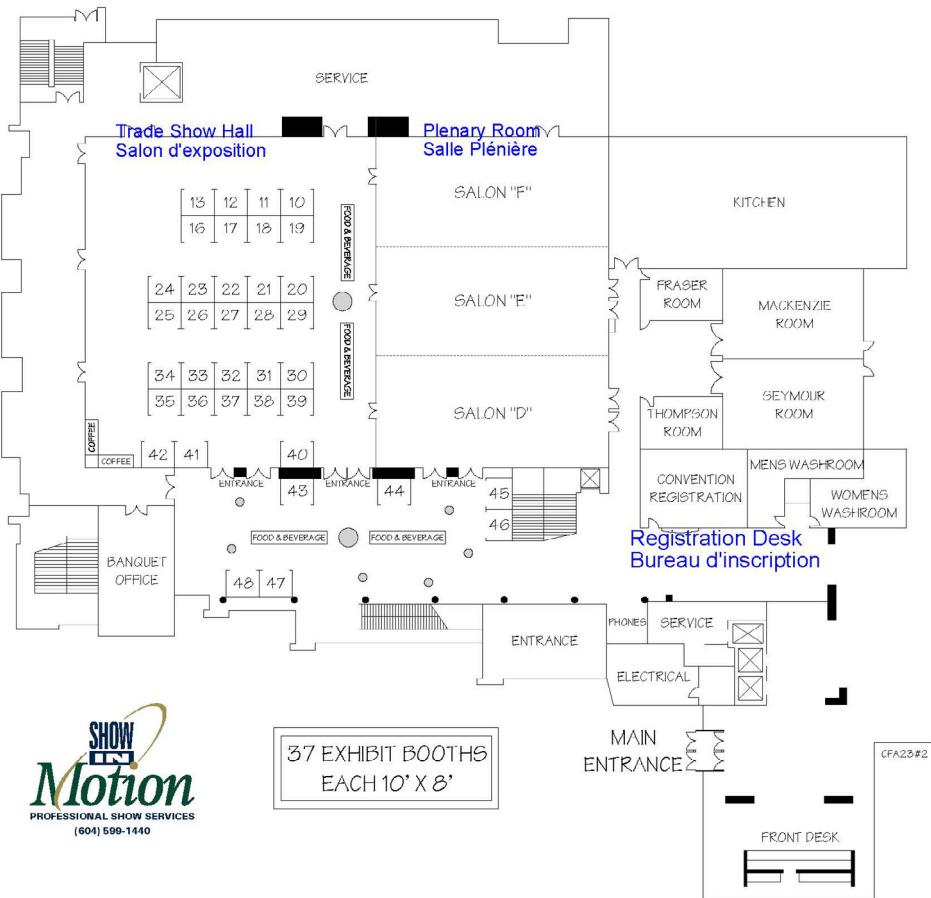
2023 EXHIBITOR TRADESHOW

SALON PROFESSIONNEL 2023



CFA • ACT

Canadian Ferry Association • Association canadienne des traversiers



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10	3GA Marine Ltd
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16	Global Utility Solutions
17	Virtual Marine Technology Inc.
18	MELTRIC Corp
19	SHIFT Clean Energy
20	McRae Electric Ltd.
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22	Accelleron-Industries
23	Zinus AS
25	Madsen Diesel & Turbine
26	Anchor Operating System
27	Albion Marine Solutions Ltd.
28	Keystone Supplies Company Inc.
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35	AON Reed Stenhouse
36	AEGIR-Marine
37	Canal Marine & Industrial Inc.
38	Point Hope Maritime Ltd
39	Sperry Marine
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41	Elkon Elektrik
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43	Wärtsilä
44	Damen Shipyards
45	BUREAU VERITAS
46	Schottel
47	BC Ferries
48	Ramsey Greig & Company

See page 24 for a directory of our Sponsors and Exhibitors



Program

September 17 septembre

12:00 pm - 6:30pm - Registration Desk
12 h 00 - 18 h 30 : Bureau des inscriptions

1:00 - 6:00pm - Exhibitors Move In
13 h 00 - 18 h 00 : Arrivée des exposants

6:30 pm - 8:00 pm - Welcome Reception - First Opportunity to Network and visit our Exhibitors
18 h 30 - 20 h 00 : Réception de bienvenue - Première occasion de réseauter et de visiter les stands de nos exposants

DAY 1 | JOUR 1

September 18 septembre

7:30am - 8:30am - Networking Breakfast
7 h 30 - 8 h 30 : Petit déjeuner de réseautage

7:30am - 4:00pm - Exhibitor Trade Show Hours
7 h 30 - 16 h 00 : Heures d'ouverture du salon des exposants

8:30am - 8:45am - Welcome Address
8 h 30 - 8 h 45 : Discours de bienvenue



Callum Campbell

Chair, Canadian Ferry Association
Président du conseil, Association canadienne des traversiers

8:45am - 9:00am - CFA Update
8 h 45 - 9 h 00 : Nouvelles de l'ACT



Serge Buy

President and CEO at the Canadian Ferry Association
Président-directeur général de l'Association canadienne des traversiers

Programme



9:00am - 9:45am - Panel Discussion

9 h 00 - 9h 45 : Discussion entre spécialistes

IDEA – an inclusive work environment | IDÉA – Un milieu de travail inclusif

	Moderator Modératrice : Corrine Storey
	Raagini Appadurai EDI Program Manager at Coast Mountain Bus Company Directrice du programme d'EDI de la Coast Mountain Bus Company
	Buki Hough Senior Manager, Talent Development, People and Culture at BC Ferries Gestionnaire principal, du développement des talents chez BC Ferries

9:45am - 10:15am - Presentation

9 h 45 - 10 h 15 : Présentation

Leveraging Green Marine's Certification Program and Ferry Forum to Improve Environmental Performance | Amélioration du rendement environnemental grâce au programme de certification de l'Alliance verte et au Forum sur les traversiers

	Moderator Modérateur : Jag Gill
	Brittney Blokker Program Manager at Green Marine Directrice de programme, chez Alliance Verte

Effective networking and communication among diverse members of the maritime industry are essential to further innovation and creative problem-solving of our industry's toughest issues. As such, this presentation will focus on the Green Marine Certification Program's latest developments and its application to ferry operators in Canada. [Read more....](#)

Pour encourager l'innovation et la résolution créative des problèmes dans le secteur maritime, il est essentiel que ses différents membres se mettent en réseau et communiquent de façon efficace. C'est pourquoi cette présentation mettra l'accent sur les dernières évolutions du programme de certification de l'Alliance verte et sur la façon dont elles s'appliquent aux exploitants de traversiers au Canada. [En savoir plus..](#)

10:15am - 10:45am - Network & Refreshment Break

10 h 15 - 10 h 45 : Pause réseautage et rafraîchissements

Sponsored by Société des Traversiers du Québec | Parrainé par la Société des traversiers du Québec



Program

10:45am - 11:15am - Session - Schottel
10 h 45 - 11 h 15 : Séance spécialisée - Schottel

HyPNoS - Hydrodynamic Propeller Noise Monitoring System | HyPNoS : système de surveillance du chant d'hélice hydrodynamique

	Moderator Modérateur : Sylvain Robitaille
	<u>Julian Kimmerl</u> R&D Engineer Hydrodynamics & Propeller Design at Schottel GmbH Ingénieur en R et D dans le domaine de l'hydrodynamique et de la conception des hélices chez Schottel GmbH

In recent years, underwater noise caused by commercial vessels has been identified as one of the primary pollutants of the marine environment. The utilization of sound is the primary sensory information processing for a large portion of the surrounding environment. To address this, it is expected that regulatory mechanisms will be implemented to reduce vessel noise impact for specific regions such as natural habitats of endangered species. [Read more...](#)

Ces dernières années, nous avons constaté que le bruit sous-marin produit par les navires commerciaux constituait l'une des principales sources de pollution du milieu marin. Or, pour une grande partie du milieu environnant, le son est le principal moyen de traiter les informations sensorielles. Pour résoudre ce problème, nous prévoyons de mettre en place des mécanismes réglementaires visant à réduire les effets du bruit des navires dans certaines zones, notamment les habitats naturels des espèces en voie de disparition. [En savoir plus..](#)

11:15am - 11:45am - Presentation
11h 15 - 11 h 45 : Présentation

Attracting and Retaining a Professional Workforce for the Ferry Sector in a Tightening Marine Labour Market | Dans un marché du travail maritime de plus en plus concurrentiel, il est crucial d'attirer des travailleurs qualifiés vers le secteur des traversiers et de les retenir

	Moderator Modérateur : Colin Tibbo
	<u>B. Carl Kuhnke</u> President & CEO at Owen Sound Transportation Company Président-directeur général de la Société de transport de Owen Sound

The loosening of COVID restrictions around the world has created an unprecedented demand for marine resources as multinational shipping and passenger services swing back to pre-covid tonnage and demand levels. It has never been more difficult to find qualified, certified personnel. Canadian ferry operations compete daily with the massive Algoma's, Seaspan's, and Canadian Steamship Lines' for human resources on our vessels. [Read more...](#)

Compte tenu de la levée des restrictions liées à la COVID dans le monde, la demande en ressources maritimes connaît une croissance exceptionnelle. En effet, les services de transport maritime et services voyageurs internationaux retrouvent les niveaux de tonnage et de demande d'avant la -crise Et il est actuellement très difficile de recruter du personnel qualifié et certifié. Les entreprises canadiennes de traversiers rivalisent au quotidien avec les mastodontes Algoma, Seaspan et Canadian Steamship Lines pour attirer des membres d'équipage à bord de leurs navires. [En savoir plus..](#)

Programme



**11:45am - 12:15pm - Presentation
11 h 45 - 12 h 15 : Présentation**

Opening up the Territory by Ferry: Reality, Challenges and Solutions | Désenclavement du territoire par les traversiers : réalité, défis et solutions

	Moderator Modératrice : Greta Bédard
	Pascal Larose Vice-président à l'exploitation at Société des traversiers du Québec Vice-président à l'exploitation de la Société des traversiers du Québec

Where the road ends, the ferry is a unique and essential link that allows an injured person to be evacuated to a hospital, a young person to go to school, and a family to gather for dinner. It is also the economic backbone of the region it serves, and the lifeblood of imports and exports. [Read more...](#)

Les traversiers jouent un rôle essentiel pour le territoire en reliant les endroits non desservis par le réseau routier. Ils permettent ainsi aux blessés d'être évacués vers un hôpital, aux jeunes de se rendre à l'école et aux familles de se réunir autour du souper. En outre, ils soutiennent l'économie des régions desservies et demeurent essentiels pour les importations et les exportations. [En savoir plus..](#)

**12:15pm - 1:15pm - Networking Luncheon
12 h 15 - 13 h 15 : Déjeuner de réseautage**

Sponsored by NEWDOCK, St. John's Dockyard Ltd | Parrainé par NEWDOCK, St. John's Dockyard Ltd

**1:15pm - 1:45pm - Session - Ramsey Greig & Company
13 h 15 - 13 h 45 : Séance spécialisée - Ramsey Greig & Company**

Electrification of the Fjord1 Fleet | Électrification de la flotte de Fjord1

	Moderator Modératrice : Jill Sharland
	Arild Austrheim Head of New Buildings at Fjord1 ASA Responsable de la nouvelle construction chez Fjord 1 ASA

Fjord1 is a Norwegian company and the largest owner of electrical short sea ferries in the world. Having established a joint venture with Canship Ugland Ltd., known as Canfjord Ferries Ltd, we are now in a position with our commercial strategic partner Ramsey Greig & Co. Ltd. to support the Canadian ferry industry coast to coast. [Read more...](#)

La société norvégienne Fjord1 détient la plus grande flotte mondiale de traversiers électriques de courte distance. En collaboration avec Canship Ugland Ltd dans le cadre de la coentreprise Canfjord Ferries Ltd, nous sommes désormais en mesure de soutenir le secteur canadien des traversiers dans tout le pays grâce à notre partenaire commercial stratégique Ramsey Greig & Co. Ltd. [En savoir plus..](#)



Program

1:45pm - 2:45pm - Panel Presentations
13 h 45 - 14 h 45 : Présentations groupée

Technology and Greener Ferries | Des technologies et des traversiers plus écologiques

	<p>Moderator Modérateur : Gregg Ryder</p>
	<p>Electric Vessel Charging - A Step Change is Coming La recharge des navires électriques - Changement radical en approche</p> <p><u>Stephen Shukur</u></p> <p>Area Sales Manager at Cavotec Group Directeur régional des ventes chez Cavotec Group</p>
<p>Charging of electric vessels has always contained its own set of challenges. From dealing with tough environmental conditions to being able to connect to a moving vehicle automatically, making charging for vessels a hassle-free experience is a new solution for almost every location. Read more...</p> <p>La recharge des navires électriques a toujours présenté ses propres difficultés. Presque tous les sites peuvent désormais recharger les navires sans tracas, qu'il s'agisse de composer avec des conditions environnementales difficiles ou de se raccorder automatiquement à un véhicule en mouvement. En savoir plus..</p>	
	<p>The Evolution of Energy Storage Systems – Leverage Advancing Technologies to Power Electric and Hybrid Ferries and Strive Towards Zero-Emission Operations Les progrès réalisés dans les systèmes de stockage d'énergie ouvrent la voie à l'emploi de technologies de pointe pour alimenter les traversiers électriques et hybrides, en visant la carboneutralité de l'exploitation</p> <p><u>Maryam Ebrahimian</u></p> <p>Sales Manager Canada at Corvus Energy Directrice des ventes au Canada chez Corvus Energy</p>
<p>Worldwide over the past decade, Corvus Energy has provided battery energy storage systems (ESS) in 150 all-electric, hybrid and plug-in hybrid passenger, Ro-Pax and Ro-Ro ferries, amassing extensive experience and knowhow in the complex technology and lifecycle decision-making challenges facing ferry operators as they embark on the decarbonization of their fleets. Read more...</p> <p>Au cours de la dernière décennie, la société Corvus Energy a équipé 150 traversiers de passagers, rouliers à passagers et rouliers entièrement électriques, hybrides et hybrides rechargeables de systèmes de stockage d'énergie (SSE). Ces projets lui ont permis d'acquérir des compétences significatives dans les technologies complexes et les défis liés à la prise de décision tout au long du cycle de vie, auxquels les exploitants de traversiers sont confrontés lorsqu'ils se lancent dans la décarbonisation de leur flotte. En savoir plus..</p>	

Programme



	<p>18 Month Performance of the ZERO Marilyn Bell I: the Result vs Expectations Rendement du Marilyn Bell I zéro émission sur une période de 18 mois : comparaison des résultats par rapport aux attentes</p> <p><u>Shawn Balding</u></p> <p>General Manager at Canal Marine & Industrial Directeur général de Canal Marine & Industrial</p>
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This is the evaluation of the 18-month performance of the conversion of the Marilyn Bell to a zero-emission ferry. The ferry has been in reliable operation for a year and a half, and our team has conducted an analysis of its performance.
[Read more...](#)

notre équipe a analysé le rendement du Marilyn Bell sur une période de 18 mois après sa transformation en un traversier zéro émission. Le traversier fonctionne de manière fiable depuis un an et demi, et nous présentons les résultats de l'analyse. [En savoir plus..](#)

2:45pm - 3:15pm - Network & Refreshment Break
14 h 45 - 15 h 15 : Pause réseautage et rafraîchissements

Sponsored by Société des Traversiers du Québec | Parrainé par Société des Traversiers du Québec

3:15pm - 3:45pm - Session - DAMEN Shipyards
15 h 15 - 15 h 45 : Séance spécialisée - DAMEN Shipyards

Local Services, Worldwide | Services locaux, à l'échelle mondiale

	<p>Moderator Modératrice : Jill Sharland</p>
	<p><u>Jurriaan Jellema</u></p> <p>Service Hub Manager at DAMEN Shipyards Directeur de centre de services chez Damen Shipyards</p>

Over the past 5 years, Damen has increased the number of vessels it has delivered to Canada, predominantly to the west coast of the country. Following these deliveries, we see rising demand for local after-sales support. Client care has always been one of the key factors in Damen's success, since our beginnings in the 1920s. With technology changing rapidly in our industry today, we understand this is only growing in importance. That is why we have developed a Service Hub network to provide local service, all over the world.

Ces cinq dernières années, le groupe Damen a accru la livraison de navires au Canada, en particulier sur la côte ouest. En conséquence, les besoins de service après-vente local ont augmenté. Depuis ses débuts dans les années 1920, le groupe Damen a toujours considéré le service à la clientèle comme l'un des facteurs essentiels de sa réussite. Comme les technologies évoluent rapidement dans notre secteur, nous sommes conscients que cet aspect revêt de plus en plus d'importance. C'est la raison pour laquelle nous avons déployé un réseau de centres de services afin d'assurer une prestation de service local, à l'échelle mondiale.



Program

**3:45pm - 4:45pm - Panel Presentations
15 h 45 - 16 h 45 : Présentation groupée**

Owner Operator Members | Membres propriétaires-exploitants

	Moderator Modérateur : Sylvain Robitaille
	Gregg Ryder General Manager at Coastal Transport Limited Directeur général de Coastal Transport Limited
	Carl Kuhnke President at Owen Sound Transportation Company Président-directeur général de la Société de transport d'Owen Sound
	Michael MacWilliam Director, Groundside Services at Ports Toronto Directeur des services côté ville chez Ports Toronto
	Stephen Jones Executive Director Engineering at BC Ferries Directeur général de l'ingénierie chez BC Ferries

6:00pm - 8:00pm - Evening Cocktail Reception at SAGE

18 h 00 - 20 h 00 : Cocktail de soirée chez SAGE

Shuttle Buses from Westin Bayshore to UBC depart at **5:15 pm / 5:30pm / 5:45pm**
Shuttle buses from UBC to the Westin Bayshore depart at **7:45pm / 8:00pm / 8:15pm**

Navettes du Westin Bayshore à l'UCB - **17 h 15 / 17 h 30 / 17 h 45**

Navettes de l'UCB au Westin Bayshore **19 h 45 / 20 h / 20 h 15**

Programme



DAY 2 JOUR 2	September 19 septembre
8:00am - 8:45am - Networking Breakfast 8 h 00 - 8 h 45 : Petit déjeuner de réseautage	
8:00am - 1:30pm : Exhibitor Trade Show Hours 8 h 00 - 13 h 30 : Heures d'ouverture du salon des exposants	
8:45am - 9:00am : Welcome to Day 2 8 h 45 - 9 h 00 : Discours de bienvenue à la 2e journée	
9:00am - 9:45am - Panel Discussion 9 h 00 - 9 h 45 : Discussion <p style="text-align: center;">Ferries and Reconciliation Traversiers et réconciliation</p>	
<p>Moderator Modérateur : Serge Buy</p>  <p>Mayor Garry Reece of Lax Kw'alaams Board Le maire Garry Reece chez Lax Kw'alaams Band</p>	
9:45am - 10:15am - Session - Wärtsilä 9 h 45 - 10 h 15 : Séance spécialisée - Wärtsilä <p>Decarbonization Alternative Fuels and Energy Technology Development and Readiness Mise au point et maturité des technologies de remplacement des carburants et des sources d'énergie en vue de la décarbonisation des traversiers</p>	
<p>Moderator Modérateur : Mark Keneford</p>  <p>Mark Keneford Managing Director at Wärtsilä North America Inc. Directeur général de Wärtsilä North America Inc.</p>	
 <p>Matteo Sartori Senior Expert, System Development & Design at Wärtsilä Expert principal, en élaboration et conception de systèmes chez Wartsila</p>	
<p>More than any other vessel segment, ferries are the ideal case for the adoption of alternate fuels and renewable energy from shore with the goal to decarbonize their operations. When a ferry operates in a region with renewable energy, and a feedstock to allow alternate fuel production, available now or in the future, the conditions exist to design, build and operate ferries that are essentially carbon neutral. Read more...</p> <p>Les traversiers se distinguent des autres segments de navires en ce qu'ils constituent la solution idéale pour l'adoption de carburants de remplacement et d'énergies renouvelables à quai, en vue d'en décarboniser l'exploitation. Si une région dispose d'énergies renouvelables et de matières premières pour des carburants de remplacement, qu'elles soient disponibles aujourd'hui ou demain, elle peut concevoir, construire et exploiter des traversiers carboneutres pour l'essentiel. En savoir plus..</p>	



Program

10:15am - 10:45am : Network & Refreshment Break
10 h 15 - 10 h 45 : Pause réseautage et rafraîchissements

Sponsored by Aurizn Solutions Pty Ltd. | Parrainé par Aurizn Solutions Pty Ltd.

10:45am - 11:15am - Presentation
10 h 45 - 11 h 15 : Présentation

A Global Perspective: How Ferries Support Local Economies, Safety and the Environment | Un regard mondial sur la manière dont les traversiers favorisent l'économie des collectivités, renforcent la sécurité et protègent l'environnement

Moderator | Modérateur : Murray Hupman



Mike Corrigan

CEO at Interferry
Directeur général d'Interferry

Ferries provide a lifeline service transporting goods and people to coastal communities. Interferry CEO, Mike Corrigan will give a global perspective of how ferries are woven into the transportation blueprints of the regions they serve and how they help drive their respective local economies. [Read more...](#)

Les traversiers jouent un rôle essentiel pour les collectivités en transportant des marchandises et des personnes vers les régions côtières. Dans son intervention, Mike Corrigan, directeur général d'Interferry, décrira comment les traversiers s'intègrent dans les plans de transport des régions qu'ils desservent et contribuent à stimuler l'économie de leurs collectivités respectives. [En savoir plus..](#)

11:15am - 11:45am - Presentation
11 h 15 - 11 h 45 : Présentation

What will Passengers Expect in the Future: How to Prepare – Digitization | Comment se préparer aux prochaines attentes des passagers en matière de numérisation?

Moderator | Modérateur : Jag Gill



John Bertell

Director of Sales at CARUS
Directeur des ventes chez CARUS

People – what will passengers expect in the future – how to prepare - Digitalization. [Read more...](#)

Volet des personnes : comment se préparer aux prochaines attentes des passagers en matière de numérisation? [En savoir plus..](#)

Programme



11:45am - 12:15pm - Session – Bureau Veritas

11 h 45 - 12 h 15 : Séance spécialisée - Bureau Veritas

Technologies able to help decarbonizing the ferry industry – pros and cons from a Classification Society perspective | Technologies pouvant jouer un rôle dans la décarbonisation du secteur des traversiers : analyse des avantages et inconvénients du point de vue d'une société de classification

Moderator | Modérateur : Callum Campbell



Andreas Ullrich

Global Market Leader at Bureau Veritas
Responsable du marché mondial chez Bureau Veritas

Till 2050 shipping need to decarbonize its operation due to international, regional and national regulations. This has as well a significant effect on the ferry industry which plays an important role in commuter traffic. Efficiency of ships has improved in the last years, however will this be enough to reach the goal of net zero by 2050? [Read more...](#)

D'ici 2050, le secteur maritime devra réduire ses émissions de carbone conformément aux réglementations internationales, régionales et nationales, ce qui aura des conséquences notables sur le secteur des traversiers, un acteur majeur des déplacements domicile-travail. Bien que l'efficacité des navires se soit améliorée ces dernières années, ces progrès seront-ils suffisants pour atteindre l'objectif de carboneutralité d'ici à 2050? [En savoir plus..](#)

12:15pm - 1:30pm - Networking Luncheon

12 h 15 - 13 h 30 : Déjeuner de réseautage

Last chance to visit the Trade Show | Dernière chance de visiter le salon des exposants

1:30pm - 2:00pm - Presentation

13 h 30 - 14 h 00 : Présentation

Environmental Sustainability Objectives in BC Ferries' New Major Vessel Design | Objectifs de durabilité environnementale dans la conception des nouveaux gros navires de la société BC Ferries

Moderator | Modérateur : Colin Tibbo



Ed Hooper

Executive Director, Shipbuilding at BC Ferries
Directeur général de la construction navale chez BC Ferries

BC Ferries' sustainability goals include a target to reduce Greenhouse Gas (GHG) emissions by a minimum of 27 percent below 2008 levels by 2030. The four major routes operated by BC Ferries constitute approximately two thirds of the total GHG emissions for the entire corporation. [Read more...](#)

Dans le cadre de ses objectifs de durabilité, la société BC Ferries vise, d'ici à 2030, une réduction d'au moins 27 p. 100 des émissions de gaz à effet de serre par rapport aux niveaux de 2008. Environ deux tiers des émissions totales de gaz à effet de serre de BC Ferries proviennent des quatre principales lignes qu'elle exploite. [En savoir plus..](#)



Program

2:00pm - 2:30pm - Presentation
14 h 00 - 14 h 30 : Présentation

Transport Canada Update | Mise à jour de Transports Canada

	Moderator Modérateur : Serge Buy

2:30pm - 3:00pm - Network & Refreshment Break
14 h 30 - 15 h 00 : Pause réseautage et rafraîchissements

Sponsored by Aurizn Solutions Pty Ltd. | Parrainé par Aurizn Solutions Pty Ltd.

3:00pm - 3:30pm - Session – Anchor Operating System
15 h 00 - 15 h 30 : Séance spécialisée - Anchor Operating System

Preventing Fraud at Scale in Ferry Transportation | Lutte contre la fraude à grande échelle dans le secteur du transport par traversier

	Moderator Modératrice : Greta Bédard
	Nasi Peretz

President & Chief Technology Officer at Anchor Operating System
Président, chef de la technologie chez Anchor Operating System

With a ridership of 6.5 million people it is imperative to stop and prevent fraud. The Anchor platform powers more than 20 ferry operations worldwide so a patent-pending QR code that changes every 5 seconds is just the first step on how they stop fraud, they will take us under the hood to see the entire toolset.

Compte tenu des 6,5 millions de passagers qui fréquentent nos services, il est impératif de lutter contre la fraude. Plus de 20 exploitants de traversiers dans le monde se servent de la plateforme Anchor pour fonctionner. Le code QR, qui change toutes les 5 secondes et est actuellement en attente de brevet, ne représente que la première étape de notre lutte contre la fraude. L'entreprise nous fera visiter les coulisses pour découvrir l'ensemble des outils mis en œuvre.

3:30pm - 4:00pm - Closing Remarks
15 h 30 - 16 h 00 : Mots de clôture

6:00pm - 6:45pm - Cocktail Reception
18 h 30 - 18 h 45 : Cocktail

Grand Ballroom Foyer

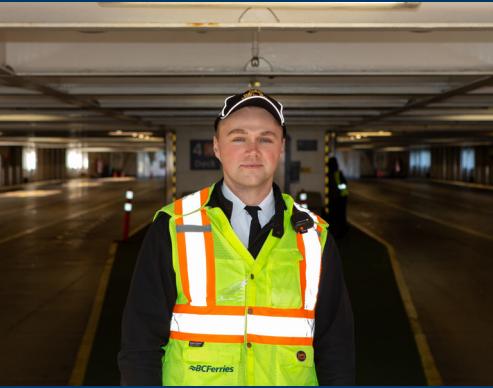
6:45pm - 9:30pm - Gala Dinner
18 h 45 - 21 h 30 : Diner de Gala

Grand Ballroom Salon DEF



Connecting Coastal Communities

Our staff and crew are the heart of BC Ferries. Their hard work and dedication keeps BC's coast safe and moving.
#ThankAFerryWorker



Leading decarbonisation in maritime

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Read more at wartsila.com/decarbonisation





Bringing communities together, responsibly.



We think of a ferry as being more than a vessel. A ferry is a means by which you connect your community, using the water to stimulate trade and recreation. We understand that you want to do this in a responsible manner. This is why we offer holistic, integrated solutions covering vessel and infrastructure, throughout the lifecycle, to make your operation as safe, and as sustainable, as can be.

Pictured here:
Road Ferry 8117 Hybrid



Find out more on Damen.com

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- Project management: (Specification, oversight, budget control, acceptance, delivery).
- Short and long term ferry charter.
- New build: (Design overview, specification, yard selection, supervision, delivery & commissioning).
- Crew management/Crew supply.

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ADDRESSING THE ENERGY TRANSITION

BUREAU VERITAS IS COMMITTED TO SUPPORTING THE FERRY INDUSTRY ON ITS WAY TO NET ZERO EMISSIONS

Bureau Veritas supports the ferry industry with expertise and practical advice to build and operate safe, sustainable and high-performing ships. We help clients fostering development of safe battery-powered and electric-hybrid ships.

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Mark MacDonald – Chairman and Chief Executive Officer,
Bay Ferries Limited & Northumberland Ferries Limited



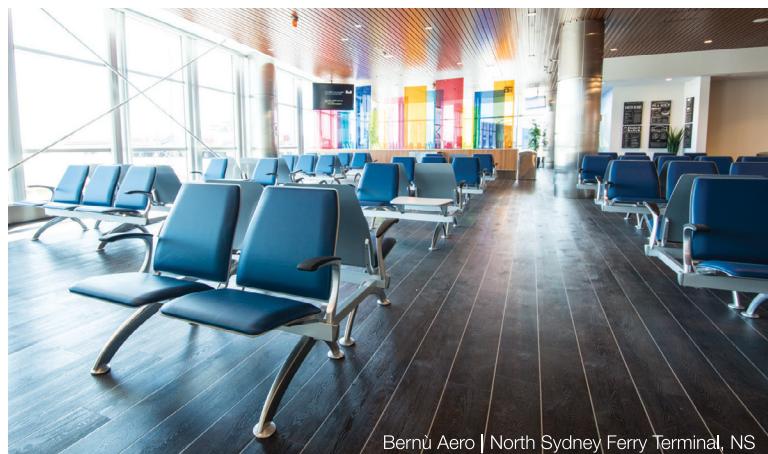
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3GA Marine Ltd. 	<p>3GA Marine is a partnership of naval architects and marine engineers, with offices in Vancouver and Victoria BC, Canada's Pacific gateway. 3GA have served the conventional, cable, and hybrid propulsion ferries market, and are now at the head of the electrification initiative. They also conduct planning, refits, and production as well as the designing of shipyards. 3GA's capabilities lie in design, operations, and naval and structural analysis. The newest global innovation in technology is to "go green", and 3GA is right there at the forefront of this drive, designing zero emission ferries for* MOTI /BC MOT*. The core group of experienced marine sector partners and employees at 3GA boast many years of experience at providing consulting and engineering services for all manner of ships, ferries and passenger ships, research vessels, general work vessels and floating structures. This group of individuals have a comprehensive knowledge of domestic and international regulatory regimen in which ship operators, particularly passenger ship operators', work. The future is electric and 3GA have been at the forefront with a number of electrification projects featuring ferries, tugboats, and water taxis.</p>
Accelleron Acce/eron	<p>Accelleron (formerly ABB Turbocharging) is a global leader in turbocharging technologies and optimization solutions, helping to provide sustainable and reliable power. With an installed base of approximately 180,000 turbochargers and a network of more than 100 service stations worldwide, our innovative technologies and digital solutions give our customers the power to move further.</p>
AEGIR-Marine Shared Services 	<p>AEGIR-Marine is an independent stern seal and propulsion service provider and PRIME products manufacturer for the global maritime industry. We are OEM independent; we can service and provide spare parts for all major propulsion and stern seal systems.</p>
Albion Marine Solutions Ltd. 	<p>Albion Marine is a group of companies dedicated to providing the shipping industry with reliable, professional, and cost-effective consultancy, naval architecture, engineering, site supervision, retrofit, procurement, logistics, and project management services worldwide in the fields of all marine, offshore, and oil and gas activities. The company's Head Office is in Delta, British Columbia, Canada, but has international capabilities, with regional offices in India, Singapore, China, and the United Kingdom. Albion Marine was founded in 2000 as a Superintendency Service and developed into an internationally recognized Marine Consultancy in 2017. The company is now one of the leading Project Management and Engineering service providers in design and retrofitting services, with active involvement in various global projects, supporting various parties, including shipowners, shipyards, government bodies, and investors. Albion Marine executes complete EPCM projects and provides project support from inception to completion phase. Our personnel have extensive experience in the operation, new build, and conversions of tankers, bulkers, LNG carriers, general cargo, container ships, tugs, shuttles, and offshore vessels.</p>

Nos commanditaires et exposants



Anchor Operating System 	Anchor is a full service ticketing platform built by ferry operators for ferry operators supporting both passenger and vehicle ferry systems. Anchor Operating System offers numerous key benefits that can significantly enhance your operations. Anchor offers True White Label Ticketing to customize your ticketing platform to align with your brand and enhance the customer experience with an online, mobile optimized purchase flow easy to embed into your website. Gain Better Insights and real-time insights into your business operations, allowing you to make informed decisions based on accurate data. An All-in-One Solution providing a comprehensive suite of features including Ticketing, Private Events, Donations, and POS, streamlining your processes, and increasing efficiency. Anchor includes a Dedicated iOS & Android App to Engage your visitors with our user-friendly mobile app featuring Audio Tours and Augmented Reality, enhancing their experience, and driving customer satisfaction.
AON 	Aon exists to shape decisions for the better — to protect and enrich the lives of people around the world. Our colleagues provide our clients in over 120 countries with advice and solutions that give them the clarity and confidence to make better decisions to protect and grow their organizations and businesses.
Arconas 	Arconas works closely with ferry terminal planning, marketing and operations personnel, as well as architects and designers to enhance the passenger experience. We work individually with each client to meet their unique objectives and requirements such as increasing accessibility and providing waste/recycle unit solutions. The Arconas team has in-depth experience rolling out large seating and furniture projects at active terminals. We understand the importance of continuing operations, even during renovations, and work with clients to create detailed plans for a shipping and installation schedule that will not disrupt operations. Our team has years of experience in advising highly coordinated efforts with multiple stakeholders to ensure each project is completed on time and on budget. From ferry hold rooms, to on-board passenger seating, your terminal can enjoy the ease of simplified procurement with our suite of furniture offerings. Our consultants take the time to discuss the specific needs of your ferry terminal to best serve your passengers as well as your operations personnel.



Our Sponsors and Exhibitors

Aurizn Solutions Pty Ltd 	<p>Aurizn is the leading provider of cutting-edge technology solutions, including Artificial Intelligence, Simulation and Advanced Sensing, for the Ferry and Transportation sectors. To help drive and maintain growth in the marketplace, we have developed AI driven solution 'Streamline' to provide robust demand forecasts and an optimized dynamic pricing strategy to enhance customers revenue management. Streamline is a commercial 'Prediction as a Service' (PaaS) revenue management application with automated dynamic revenue management for ferry services. We have built a strong reputation for taking on the complex challenges that others won't, collaborating with our customers and partners to develop unique solutions at pace, that advance scientific knowledge and technological capabilities. Our expertise is unique, integrating science, technology, engineering and mathematics with deep experience in project delivery, from concept to research through to validation and implementation.</p>
BC Ferry Services Inc. 	<p>For 60 years, we have been dedicated to providing safe and efficient travel to our customers. Our role as a ferry transportation provider goes beyond getting passengers from point A to B. With 25 routes throughout the west coast of BC, we serve as advocates for the coastal environment and communities where we operate. Operations began in 1960 with just two ferries providing service on a single route. Today we have 39 ferries moving more than 22 million passengers and 8 million vehicles every year.</p>
BUREAU VERITAS Marine & Offshore  BUREAU VERITAS Shaping a World of Trust	<p>At Bureau Veritas Marine & Offshore, we share a drive to shape a better maritime world for future generations. Pioneering the safety and performance of new technologies since 1828, we are one of the world's leading ship classification societies and offshore safety and verification bodies, with a global network to support clients worldwide. We understand the challenges clients face in designing, building and operating a truly sustainable maritime business. We're by their side; supporting them with practical advice, tools and technology to run safe, sustainable and high performing businesses. We're known for being responsive and building strong and long relationships with our clients; for being flexible without compromise. And because we're part of Bureau Veritas, a world leader in testing, inspection and certification services with over 82,000 employees in more than 1600 locations, we have a truly global outlook, bringing a broader understanding of the global supply chain and blue economy.</p>

Nos commanditaires et exposants



	<p>So, whether we're meeting the challenge of decommissioning offshore oil and gas assets safely and sustainably, helping shipowners embrace decarbonisation and digitalisation to transport goods safely and sustainably, or supporting marine renewable energy technologies, Bureau Veritas Marine & Offshore is shaping a better maritime world.</p>
Canal Marine & Industrial Inc. 	<p>Electrifying the Marine Industry for 50 Years!</p>
CARUS 	<p>Carus is a global supplier of information technology to the travel and transport industry. We design, build and support systems critical to the operation and sales of ferry and cruise businesses around the world. Our objective is to take care of the full 360 degrees of the passenger journey. Carus' reservations system meets the demands of today's fully digitalised ferry operations, providing mobile reservations, self-service check-in and boarding as well as digital cabin keys and lounge access control. Carus' onboard solution supports the management of all onboard services; fine-dining, bars, cafes, and retail. And our range of port automation solutions smooths the journey on approach to and within the port for foot-passengers, passenger vehicles as well as for cargo vehicles and units. Carus' clients operate throughout the Baltic, Europe, the United Kingdom, the United States, Africa, and Australia. Our clients represent every aspect of the passenger vessel industry and operate virtually every type of vessel, proving the versatility and flexibility of our solutions.</p>
Concept Naval 	<p>We are Naval Architects, Marine Engineers and Naval Architecture Technicians based in Quebec City since 1987, providing innovative and customized solutions for vessel operators, shipyards and a number of stakeholders in the maritime sector. Our continually growing company has forged a solid reputation over the course of more than 500 successful design and major work projects on all types of vessels. Our team is able to put innovative ideas into practice, from preliminary concept to final turnkey project. They excel in carrying out complex design, construction, modification and repair projects for a variety of vessel types and floating structures to meet your every expectation. Moreover, our latest achievements in the field of ship electrification are a great source of inspiration for Concept Naval.</p>



Our Sponsors and Exhibitors

Corvus Corvus Energy	<p>Corvus Energy is the leading provider of zero-emission solutions for the ocean space. By being the first company to provide a maritime battery with the needed capacity, lowered cost and safety level, Corvus Energy became pioneers in maritime energy storage systems (ESSs) for almost every vessel type breaking the ground for future development. More than 50% of the world's hybrid and zero-emission vessels in operation are equipped with Corvus Energy Storage Systems. We now have more than 750 MWh deployed in almost 900 projects and more than 6 500 000 operating hours. This gives us valuable feedback, enabling us to continuously improve our products and services to meet the highest standards and at the same time push boundaries for how energy storage is used to save costs and emissions. Our product portfolio covers a range of different maritime batteries, all developed to meet the specific requirements of different market segments as well as containerized solutions. Corvus provides service offerings through the entire lifetime of the installation as well as monitoring and reports through our digital customer portal. By collecting data from the time of installation and through the entire life of a Corvus Energy ESS, we can monitor and analyze to give real-time reports and benchmark data to customers, enable preventive and proactive services and help ensure that second life opportunities and recycling is performed in the best possible way. By adding fuel cells to our portfolio, more vessels will be able to operate zero emissions. Corvus Energy has currently also developed the next generation maritime fuel cell based fuel cell technology from world leader Toyota.</p>
Damen Shipyards Gorinchem DAMEN	<p>Family owned Damen Shipyards Group has been in operation for over ninety years and offers maritime solutions worldwide, through design, shipbuilding, ship repair and related services. Stewardship is a starting point for Damen. We want to be the most sustainable shipbuilder in the world. Digitalisation and standardisation of platforms are important preconditions for this. Furthermore we put high value in working close together with local business partners around the globe. Niche maritime markets is a key focus of the Damen Shipyards Group. On workboats for towage, dredging, public transport and ferries, offshore, fishing, aquaculture and other markets. Apart from that we are also active in the repair and conversion of existing ships. We think of a ferry as being more than a vessel. A ferry is a means by which you connect your community, using the water to stimulate trade and recreation. We understand that you want to do this in a responsible manner. This is why we offer holistic, integrated solutions covering vessel and infrastructure, throughout the lifecycle, to make your operation as safe and as sustainable as can be.</p>



<p>DSS Protection</p> 	<p>DSS Protection is a Canadian-owned and operated group of companies, with head office based in Dartmouth, Nova Scotia. We provide lifesaving, environmental, and asset protection solutions to Canada's commercial and recreational marine and aviation industries. We have four sales and service stations across Canada, each with teams of highly trained, certified, and mobile technicians. Our stations are located in Nova Scotia, Newfoundland, Québec, and British Columbia. Our business is ISO 9001 Registered through NSF-ISR and is managed to comply with strict quality control standards set out by Transport Canada (TC), International Marine Organisation (IMO), Safety of Life at Sea (SOLAS), Det Norske Veritas (DNV), Lloyds Register (LR) as well as the rigorous operations and training standards set in place by our various equipment manufacturers.</p>
<p>Elkon Elektrik</p> 	<p>elkon was established in 1980 to design, manufacture, integrate and commission low voltage electrical equipment and automation systems for the maritime industry. Elkon, which closely follows the trends in developed countries, sees the concept of decarbonization, which means reducing emissions and greenhouse effect, as the vision of the company. Elkon, which started to innovatively implement electrification technologies, one of the methods used to avoid carbon-type fuels, contributed to every value-added ship project in Turkey. elkon is an agile maritime electrical engineering and application company that generates 60-70% of its revenues from foreign sales. elkon is engaged in intellectual and industrial production with its rich human resources. Elkon, which aims to produce technology for the shipbuilding industry, has a high work discipline; works with a team of engineers who have the ability to manage competition in challenging market conditions. The most experienced names in the industry, the winners of international awards for innovation, innovative leaders in the field of automation and engineers with strong project experience make Elkon a well-known player in the global arena.</p>



Our Sponsors and Exhibitors

Global Utility Solutions 	<p>Global Utility Solutions is an asset management and technology company, specializing in public sector infrastructure, such as residential & commercial utilities, civil infrastructure, fleet management and public transportation. We are an Oracle partner, offering asset management consulting services and implementation services, utilizing Oracle's suite of ERP and Asset Management software solutions.</p>
Hogia Ferry Systems 	<p>The Hogia Group is a Swedish standard software supplier with 600+ employees, going on our 40th year in the business. Hogia is showing continuous and long term growth in terms of product offering and global presence and we offer a unique range of business critical products for the travel and transport sector. Internationally, Hogia provide ferry operators with reservation and ticketing systems, advanced real time passenger information systems and terminal operating solutions for ports. One of Hogia Ferry System's key strengths is integrations, as we see this as a way to the future. With our extensive BOOKIT API, the integration possibilities are nearly endless. Today it is used for ticket machines, mobile check-in, web booking engines to name just a few. We also work in close cooperation with Microsoft and have Gold partner status. They assist us to ensure we always have a modern, reliable platform and they provide us with the latest technology tools available.</p>
InnovMarine Inc. 	<p>InnovMarine empowers shipbuilders and owners to transform their business, boost productivity, simplify processes, and make more informed decisions. One person, one team, and one ship at a time. Founded in 2014, InnovMarine is a trusted provider of partner-developed software solutions and consulting services that support the marine industry's business transformation to digital shipbuilding and sustainment.</p>
Jastram Technologies Ltd. 	<p>Jastram Technologies provides high-quality, commercial marine equipment and services to Canada's marine industry and has done so since 1983. Look to Jastram for your supply of:</p> <ul style="list-style-type: none">* General and technical lighting (by Phoenix Lighting, Lightpartner and Karl Dose)* Kahlenberg sound signalling* Alu captain's chairs* Anti-fouling - by NextCorr and SoniHull* Carlisle & Finch searchlights* Navigation lights by DHR, Lopolight and Phoenix* Fernstrum keel cooling and Weka Box Coolers* Hamann sewage treatment* WCR heat exchangers* Parker desalination* Hamilton Jet* HS Marine Cranes* Wagner steering* Jastram Steering and Thrusters ...and much more.

Nos commanditaires et exposants



Keystone Supplies Company Inc.  KEYSTONE SUPPLIES COMPANY INC.	<p>KEYSTONE SUPPLIES COMPANY INC. / FENDGUARD / CANADA CHAIN & FORGE Keystone Supplies Company is a Canadian owned and operated marine supply company. Keystone is the industry's leading supplier for Chain, Shackles, Wire Rope, Rope, Fenders and more. Whether it be Tug, Barge, Towing, Ferries, Shipowners, Shipyards or Marine construction, Keystone has the marine supplies necessary. Keystones headquarters is located right on the Fraser River in Richmond, and secondary location is in Duke Point, Nanaimo, just seconds from BC Ferries, Seaspan and DP World. Furthermore, Keystone has a large warehouse on the east coast.</p>
Madsen Power Systems 	<p>Madsen Power Systems - Keeping the Lights On - Industrial and Marine Engines, Generators, Controls, Accessories, Switch Gear and Canadian Channel Partner for Wabtec Corporations low emission, high-performance diesel engines used in locomotive, marine and stationary power generation market applications. Wabtec's marine engines are certified to the stringent EPA Tier 4 and IMO III emission standard for NOx and particulates without the need for SCR and urea exhaust aftertreatment. This enables vessel owners/operators to obtain the ABS LEV(US) notation for their vessel. notation for their vessel.</p>
Madsen Diesel & Turbine 	<p>Established in 1963, Madsen Diesel & Turbine are the experts for mission critical components and service on diesel & turbine engines of all types. Over the past 60+ years we have widened our scope of expertise to include many product lines for all of our customers marine. Madsen Diesel & Turbine provides engines, components, controls and support solutions for industrial and marine prime movers. We are the eastern Canadian OEM Business Partner for Woodward Governor and Controls, Basler Electric and Testo Emissions analyzers. Madsen Controls and Engineering offer power management and alarm & monitoring expertise.</p>
McRae Electric Ltd. 	<p>McRae Electric is a Marine Systems Integrator, Installer and Supplier for electrical and electronic automation systems providing efficient cost effective innovative solutions. We are committed to the highest level of quality and safety in the services we provide. For 40+ years, McRae Electric has safely and successfully provided high-quality marine electrical services to the Pacific Northwest. McRae Electric is a leader in partnering with customers and original equipment manufacturers, bringing innovation to the industry. Specializing in: Engineering (functional and production engineering Engineered Solutions - Panel Building (AC/DC Switchboards, MCCs, Bridge Consoles) Field Service - Inservice Support - Trouble-shooting - Shipyard support (retro-fits and new construction).</p>



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MELTRIC Corp 	<p>MELTRIC manufactures a full line of industrial plugs and receptacles, including signature brand of UL listed Switch-Rated devices with DECONTACTOR™ technology and push-button circuit disconnection. These all-in-one devices combine the safety and functionality of a disconnect switch with the convenience of a plug and receptacle and can be safely connected and disconnected under full load. MELTRIC also manufactures other safe and reliable industrial plugs and receptacles, including multipin, high amperage, single pole, and hazardous location devices. Additionally, we use our devices and third-party components to produce custom power distribution units, including portable rubber boxes, mobile or stationary multigang steel enclosures, dual voltage wall boxes, circuit protected receptacles, and more.</p>
NEWDOCK, St. John's Dockyard Limited 	<p>Newfoundland's largest marine / ship repair facility providing quality solutions in ship repair, heavy industrial, and offshore / subsea equipment fabrication. Capable of providing a wide range of services including welding fabrication, machining, mechanical, electrical, piping and corrosion protection in support of our drydock, Syncrolift and finger pier capacities.</p>
Northrop Grumman Sperry Marine 	<p>Sperry Marine delivers industry-leading, maritime navigation solutions that ensure your vessel operations are safer, more efficient and sustainable. These integrate systems, digital services and support to suit all your different vessel and operating requirements. Our portfolio includes radars, ECDIS, compasses, steering systems, autopilots, speed logs, Integrated Bridge Systems and secure, connected services for your digital transformation. Based on over 150 years of experience, Sperry Marine's navigation solutions are trusted on thousands of vessels at sea by the world's leading shipping companies.</p>
Point Hope Maritime Ltd. 	<p>Point Hope Maritime operates two full service shipyards located in Victoria, one is located at the Esquimalt Graving Dock facility and one is located on the inner harbour of Victoria. Together they have capacity to provide drydocking services to a wide range of vessels. While Point Hope Maritime at the inner harbour of Victoria can offer drydocking services for vessels up to 60m (200ft) and 1200t and provide afloat services along our quay for vessels up to 140m (460ft), from the Government owned, Esquimalt Graving Dock Point Hope Maritime can drydock vessels up to 360m and work along side the 610m (2000ft) deep-water wharfage.</p>

Nos commanditaires et exposants



Ramsey Greig & Co. Ltd 	<p>Founded in 1934, Ramsey Greig & Co. Ltd mission is to support shipowners with Ship management, crewing, and vessel. Support by our Parterns Fjord1 and Canship Ugland, we will make sure that your project are succesful.</p>
Schottel Canada Inc. 	<p>We are an innovative group of companies specializing in the development, design, production and marketing of azimuth propulsion and maneuvering systems, as well as packaged propulsion systems with power ratings of up to 30 MW for vessels of all sizes and types. Automation systems and marine services complete our portfolio. With a high level of investment in research and development, we continuously optimize our existing products and implement innovative system solutions. The goal of these activities is to improve still further the efficiency and reliability of all our propulsion and maneuvering systems – for the benefit of our customers. Thanks to close cooperation with ship-owners, yards, consultants and internationally renowned independent research establishments, we have been able to achieve this goal consistently.</p>
Seaspan Ferries 	<p>Seaspan Ferries is a commercial drop trailer service who provides 11 scheduled sailings per day to and from our terminals in the Fraser River to Vancouver Island. We utilize a fleet of LNG/battery hybrid vessels to provide the lowest emissions transport option on the West Coast of North America.</p>
SHIFT Clean Energy 	<p>Shift – delivering clean energy solutions based on leading-edge energy storage systems. Meeting climate action goals through electrification and unlocking the potential of new technologies through hybrid solutions.</p>
Ships Machinery International 	<p>Bringing together independent leaders of innovative marine technology. Delivering unsurpassed quality and reliability in products and service for the best heavy duty marine equipment available. SMI's trained sales and service personnel support high quality marine equipment manufacturers offering a complete line of propulsion, maneuvering, fire-fighting, deck machinery, davits and other custom designed marine equipment to the market.</p>



Our Sponsors and Exhibitors

Société des traversiers du Québec 	Since 1971, Société des traversiers du Québec (STQ) has played an important role by providing safe, efficient and dependable ferry services across Quebec for residents and visitors alike. As people's needs have changed over the years, so have the services provided by STQ. Today, STQ is at the helm of a large network of 13 maritime services that extends all the way from Montreal to the Lower North Shore and the Magdalen Islands in eastern Quebec. Nine of these routes are operated directly by STQ. Thanks to some 650 employees who work day in, day out to provide quality service, every year STQ offers more than 115,000 crossings and transports near 5.2 million passengers and 2.1 million vehicles.
Spear Power Systems 	Spear develops safe, environmentally-friendly battery solutions that help power ferries, ships, and water-based vehicles of all sizes.
Survitec 	Leading manufacturer and distributor for Liferafts, Marine Evacuation Systems, Lifejackets, Fire Safety equipment, Rescue Boats, Davits , pyrotechnics, and misc marine safety equipment.
Virtual Marine Technology Inc. 	Virtual Marine is on a mission to be the worldwide leader in Lifeboat, Fast Response Boat and Ice Management Training. Based in Newfoundland and Labrador and built on a strong platform of harsh environment research and advanced software development, we focus on understanding human performance, adapting the latest machine learning and artificial intelligence modeling against workplace training requirements. Virtual Marine is leading the way in simulation and virtual reality training using machine learning, artificial intelligence, and the latest digital twin technology in their Canadian designed and manufactured products, including in-house development and 3d printing software. We have selected the Canadian Ferry Association event as the venue to launch a new line of mobile fast rescue boat and marine evacuation system simulators, representing a first for the industry. We will exhibit our latest innovations onsite and look forward to engaging with the ferry industry. #ferryindustryolutions #virtualmarine #beready

Nos commanditaires et exposants



Wärtsilä 	<p>Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. In 2019, Wärtsilä's net sales totalled EUR 5.2 billion with approximately 19,000 employees. The company has operations in over 200 locations in more than 80 countries around the world. Wärtsilä is listed on Nasdaq Helsinki. For the ferry segment Wärtsilä provides a full range of environmentally and economically sound integrated solutions. The company is leading the industry's transformation into a new era of efficiency with a Smart Marine Ecosystem comprising high levels of connectivity and digitalization. By eliminating the inefficiency 'waste' that hampers the industry's growth and profitability, Wärtsilä aims to create a smarter way of operating and maintaining assets. The company is dedicated to optimizing performance, and achieving the safest, most environmentally sustainable and efficient operating profiles for its customers.</p>
ZF Marine Propulsion System Mairamac LLC 	<p>ZF Marine is recognized as an outstanding, leader and reliable partner for propulsion systems, supplying complete driveline systems as well as components for all types of vessels. The product portfolio is continuously enhanced and adapted to the market conditions. Safety, a long product lifecycle, comfort as well as the customers interest is first priority.</p>
Zinus AS 	<p>ZINUS AS is a Norwegian pioneering company leading the way in cable management system for connecting shore power to all type of vessels in ports, as well as the fully autonomous shore power connections for charging of batteries onboard electrical and hybrid vessels</p>



CFA · ACT

Canadian Ferry Association | Association canadienne des traversiers

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Appendix | annexe

Leveraging Green Marine's Certification Program and Ferry Forum to Improve Environmental Performance

Brittney Blokker

Program Manager at Green Marine

Effective networking and communication among diverse members of the maritime industry are essential to further innovation and creative problem-solving of our industry's toughest issues. As such, this presentation will focus on the Green Marine Certification Program's latest developments and its application to ferry operators in Canada. Green Marine provides a common framework for continual improvement on impacts on air, water, land, and communities with recent developments to greenhouse gas emissions targets and community relations guidance. It offers tools and resources to support environmental advancement to ship owners, ports, terminals, and shipyards across the US and Canada. Additionally, we will highlight the Ferry Forum, Green Marine's newest initiative that provides a regular opportunity for ferry operators worldwide to share experiences, learn about new technologies and best practices, and gain valuable insights into sector-specific issues, all leading to new solutions to common challenges. The Forum is open to all Green Marine and Green Marine Europe ferry operating members and currently has over 20 participating operators in North America and Europe. Ferry operators are encouraged to attend if they seek to improve their environmental performance and operational efficiency, or network and collaborate with other stakeholders in the maritime industry and ferry sector. Attendees will gain a better understanding of the Green Marine Certification Program and the benefits of participating in the Ferry Forum. By leveraging the collective knowledge and experience of other operators, ferry operators can foster innovation and drive positive change in the industry, and Green Marine is here to support their efforts.

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Amélioration du rendement environnemental grâce au programme de certification de l'Alliance verte et au Forum sur les traversiers

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Brittney Blokker

Directrice de programme, chez Alliance Verte

Pour encourager l'innovation et la résolution créative des problèmes dans le secteur maritime, il est essentiel que ses différents membres se mettent en réseau et communiquent de façon efficace. C'est pourquoi cette présentation mettra l'accent sur les dernières évolutions du programme de certification de l'Alliance verte et sur la façon dont elles s'appliquent aux exploitants de traversiers au Canada. L'Alliance verte joue un rôle crucial en mettant en place un cadre commun permettant d'améliorer en permanence l'incidence environnementale sur l'air, l'eau, les sols et les communautés. Les récentes évolutions concernent les objectifs d'émissions de gaz à effet de serre et les orientations en matière de relations avec les communautés. Elle met également à disposition des outils et des ressources visant à soutenir les progrès environnementaux réalisés par les armateurs, les ports, les terminaux et les chantiers navals en Amérique du Nord et au Canada. En outre, nous présenterons le Forum sur les traversiers, une toute nouvelle initiative de l'Alliance verte grâce à laquelle les exploitants de traversiers du monde entier peuvent partager leurs expériences, se tenir au courant des nouvelles technologies et des pratiques exemplaires, et acquérir de précieuses connaissances sur des questions propres au secteur, permettant ainsi de trouver des solutions inédites à des problèmes communs. Actuellement, le Forum sur les traversiers compte plus de 20 exploitants participants en Amérique du Nord et en Europe, et il est ouvert à tous les membres de l'Alliance verte et de l'Alliance verte Europe qui exploitent des traversiers. Les exploitants de traversiers sont invités à y participer afin d'améliorer leur rendement environnemental, leur efficacité opérationnelle, ou de se mettre en réseau et de collaborer avec d'autres intervenants du secteur maritime et du secteur des traversiers. Les participants pourront mieux comprendre le programme de certification de l'Alliance verte et les avantages du Forum sur les traversiers. La mise en commun des connaissances et des expériences permet aux exploitants de traversiers de stimuler l'innovation et d'entraîner des changements positifs dans le secteur, avec le soutien continu de l'Alliance verte.

HyPNoS - Hydrodynamic Propeller Noise Monitoring System

Julian Kimmerl

R&D Engineer Hydrodynamics & Propeller Design at Schottel GmbH

In recent years, underwater noise caused by commercial vessels has been identified as one of the primary pollutants of the marine environment. The utilization of sound is the primary sensory information processing for a large portion of the surrounding environment. To address this, it is expected that regulatory mechanisms will be implemented to reduce vessel noise impact for specific regions such as natural habitats of endangered species. This process creates new challenges for vessel operators and suppliers that have to adhere to noise limits. In turn this prompts the requirements to observe vessel noise, improve estimation accuracy for noise reduction measures and propeller designs. In the ongoing Quiet Vessel Initiative research project: HyPNoS (Hydrodynamic Propeller Noise Monitoring System) by SCHOTTEL, a real time onboard underwater radiated noise monitoring system is developed and demonstrated, by correlating measured hull vibrations above the propeller with radiated underwater far-field noise. For this project, a double ended ferry type operating in the Straight of Georgia is extensively examined regarding onboard vibrations and underwater emissions with on-site measurements and simulations comparing an original propeller design with the new optimized HyPNoS design. With the large set of generated data, a real time algorithm is developed that is implemented into the existing MariHub condition monitoring system hard- and software. A strong positive correlation between onboard vibrations and underwater radiated noise is identified, for both propeller designs, which can be utilized to calibrate a live monitoring demonstration prototype on the investigated vessel.

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HyPNoS : système de surveillance du chant d'hélice hydrodynamique

Julian Kimmerl

Ingénieur en R et D dans le domaine de l'hydrodynamique et de la conception des hélices chez Schottel GmbH

Ces dernières années, nous avons constaté que le bruit sous-marin produit par les navires commerciaux constituait l'une des principales sources de pollution du milieu marin. Or, pour une grande partie du milieu environnant, le son est le principal moyen de traiter les informations sensorielles. Pour résoudre ce problème, nous prévoyons de mettre en place des mécanismes réglementaires visant à réduire les effets du bruit des navires dans certaines zones, notamment les habitats naturels des espèces en voie de disparition. Cette démarche pose de nouveaux défis aux exploitants de navires et aux fournisseurs qui doivent respecter des limites en matière d'émissions sonores. En conséquence, il est nécessaire de surveiller le bruit des navires et d'améliorer la précision des estimations pour les mesures de réduction du bruit et la conception des hélices. Dans le cadre de l'actuelle Initiative pour des navires silencieux, la société SCHOTTEL met au point et fait la démonstration en temps réel du système HyPNoS de surveillance du chant d'hélice hydrodynamique, en établissant une corrélation entre les vibrations mesurées de la coque au-dessus de l'hélice et le bruit sous-marin de champ lointain. Dans le cadre de ce projet, nous examinons de manière approfondie les vibrations à bord et les émissions sous-marines d'un traversier à deux étages naviguant dans le détroit de Géorgie. Nous prenons des mesures sur place et réalisons des simulations afin de comparer la conception initiale de l'hélice au nouveau modèle optimisé grâce au système HyPNoS. À partir de l'ensemble des données produites, nous mettons au point en temps réel un algorithme que nous mettons en œuvre dans le matériel et le logiciel du système existant MariHub de surveillance d'état. Pour les deux modèles d'hélice, on constate une forte corrélation positive entre les vibrations à bord et les émissions sonores sous-marines, ce qui permet d'établir un prototype de surveillance en temps sur le navire à l'étude.

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Attracting and retaining a professional workforce for the ferry sector in a tightening marine labour market

B. Carl Kuhnke

President & CEO at Owen Sound Transportation Company

The loosening of COVID restrictions around the world has created an unprecedented demand for marine resources as multinational shipping and passenger services swing back to pre-covid tonnage and demand levels. It has never been more difficult to find qualified, certified personnel. Canadian ferry operations compete daily with the massive Algoma's, Seaspan's, and Canadian Steamship Lines' for human resources on our vessels. Many ferry operations are either government in their entireties, or government subsidized, and cannot compete with the free-market supply and demand salaries of the large private corporations. We rely on 'locals' who are not interested in being at sea for months at a time and have families in the immediate area who they would like to be with on a regular basis. OSTC is embarking on an innovative program, working with federal and provincial authorities, and local cultural diaspora, to engage newly-arrived immigrants and refugees with marine qualifications. Ferry operators need to work with federal immigration officials to ensure that the high demand qualifications are recognized as lacking in Canada, to ensure that those seeking to come to Canada with those qualifications, either federally or under Provincial Nominee Programs (PNPs), are moved to the top along with current priorities such as IT and medical personnel.

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Dans un marché du travail maritime de plus en plus concurrentiel, il est crucial d'attirer des travailleurs qualifiés vers le secteur des traversiers et de les retenir

B. Carl Kuhnke

Président-directeur général de la Société de transport de Owen Sound

Compte tenu de la levée des restrictions liées à la COVID dans le monde, la demande en ressources maritimes connaît une croissance exceptionnelle. En effet, les services de transport maritime et services voyageurs internationaux retrouvent les niveaux de tonnage et de demande d'avant la -crise Et il est actuellement très difficile de recruter du personnel qualifié et certifié. Les entreprises canadiennes de traversiers rivalisent au quotidien avec les mastodontes Algoma, Seaspan et Canadian Steamship Lines pour attirer des membres d'équipage à bord de leurs navires. La plupart des entreprises de traversiers, qu'elles soient entièrement publiques ou reçoivent des subventions de l'État se trouvent dans l'incapacité de concurrencer les salaires proposés sur le marché par les grandes entreprises privées. Nous recrutons des travailleurs locaux qui préfèrent ne pas rester plusieurs mois en mer et passer régulièrement du temps avec leur famille. La STOS, en collaboration avec les autorités fédérales et provinciales et la diaspora culturelle locale, met en œuvre un programme novateur qui incite les immigrants et les réfugiés récemment arrivés à se former dans le domaine maritime. Les exploitants de traversiers doivent travailler en étroite collaboration avec les autorités fédérales de l'immigration afin de reconnaître que les qualifications les plus demandées manquent en effet au Canada. Cette mesure permettra d'accorder la priorité aux candidats disposant de qualifications, qu'ils postulent au programme fédéral ou aux programmes des candidats des provinces, à l'instar des professionnels des technologies de l'information et du personnel médical.

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Opening up the territory by ferry: reality, challenges and solutions

Pascal Larose

Vice-président à l'exploitation at Société des traversiers du Québec

Where the road ends, the ferry is a unique and essential link that allows an injured person to be evacuated to a hospital, a young person to go to school, and a family to gather for dinner. It is also the economic backbone of the region it serves, and the lifeblood of imports and exports. Opening up access is a responsibility that many ferry operators from here and elsewhere must assume, while ensuring the efficiency of their network and their financial performance. Through its experience, la Société des traversiers du Québec (STQ), which operates 13 crossings and ferry service, including 8 in context of opening up the territory, will explain its issues, model, challenges, but also some of the successes of the organization in this type of service. From building a vessel through managing spare parts, from determining the service offer to being responsible for customer experience and contingency plans, to dealing with regulatory requirements, on-site supplier, and classification society availability, it will be demonstrated that a ferry service cannot be modeled, planned and operated like a commercial service.

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Désenclavement du territoire par les traversiers : réalité, défis et solutions

Pascal Larose

Vice-président à l'exploitation at Société des traversiers du Québec

Les traversiers jouent un rôle essentiel pour le territoire en reliant les endroits non desservis par le réseau routier. Ils permettent ainsi aux blessés d'être évacués vers un hôpital, aux jeunes de se rendre à l'école et aux familles de se réunir autour du souper. En outre, ils soutiennent l'économie des régions desservies et demeurent essentiels pour les importations et les exportations. De nombreux exploitants de traversiers, qu'ils soient d'ici ou d'ailleurs, doivent assumer la responsabilité du désenclavement tout en maintenant l'efficacité de leur réseau et leur rendement financier. La Société des traversiers du Québec (STQ), qui gère 13 traversées et services de traversiers, dont 8 sont dédiés au désenclavement du territoire, présentera son témoignage en évoquant ses enjeux, son modèle, ses défis, ainsi que quelques-unes des réussites de l'entreprise dans ce type de service. Nous montrerons que la gestion d'un service de traversiers, de la construction du navire à la gestion des pièces de rechange, en passant par la définition de l'offre de service, la responsabilité de l'expérience des usagers, les plans d'urgence, les exigences réglementaires, le fournisseur sur place et la disponibilité de la société de classification, ne s'organise pas, ne se planifie pas et ne s'exploite pas comme un service commercial.

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Electrification of the Fjord1 Fleet

Arild Austrheim

Head of New Buildings at Fjord1 ASA

Fjord1 is a Norwegian company and the largest owner of electrical short sea ferries in the world.

Having established a joint venture with Canship Ugland Ltd., known as Canfjord Ferries Ltd, we are now in a position with our commercial strategic partner Ramsey Greig & Co. Ltd. to support the Canadian ferry industry coast to coast.

With a fleet of 80 vessels, of which 50% are fuelled by green shore power from the grid, the number of vessels with no carbon footprint in operation is still growing and will continue to do so in the years to come.

In this presentation we will share with you some insight on the Norwegian ferry industry and the direction it is heading as well as what Fjord 1 has been able to do over the last few years, including ordering and taking delivery of a considerable number of newbuilds, converting existing vessels and establishing needed shore infrastructure to support the electric ferry industry. We will also share some of the challenges experienced and the benefits that are obtained economically and in the reduction of carbon emissions.

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Électrification de la flotte de Fjord1

Arild Austreim

Responsable de la nouvelle construction chez Fjord 1 ASA

La société norvégienne Fjord1 détient la plus grande flotte mondiale de traversiers électriques de courte distance.

En collaboration avec Canship Ugland Ltd dans le cadre de la coentreprise Canfjord Ferries Ltd, nous sommes désormais en mesure de soutenir le secteur canadien des traversiers dans tout le pays grâce à notre partenaire commercial stratégique Ramsey Greig & Co. Ltd.

Notre flotte de 80 navires, dont la moitié fonctionnent grâce à de l'électricité verte à quai tirée du réseau, augmente constamment le nombre de navires sans émissions carbone en activité, une tendance qui se poursuivra au cours des prochaines années.

Dans cette présentation, nous vous donnerons un aperçu de l'évolution du secteur des traversiers en Norvège et de la direction qu'il prend. Nous vous présenterons également les réalisations récentes de Fjord1, notamment la commande et la livraison de nombreux navires, la transformation de navires existants et la mise en place de l'infrastructure nécessaire à quai pour prendre en charge les traversiers électriques. Nous aborderons également certains des défis que nous avons rencontrés et les avantages que nous avons obtenus sur le plan économique et en matière de réduction des émissions de carbone.

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Electric Vessel Charging - A Step Change is Coming

Stephen Shukur

Area Sales Manager at Cavotec Group

Charging of electric vessels has always contained its own set of challenges. From dealing with tough environmental conditions to being able to connect to a moving vehicle automatically, making charging for vessels a hassle-free experience is a new solution for almost every location. With the introduction of MCS (Megawatt Charging System), there will be a radical change on how vessel charging can be approached. The presentation will cover an array of charging solutions, the challenges that existing solutions and applications still face, and how MCS will be a driver of simpler solutions and accelerated electrification of the industry.

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La recharge des navires électriques s'apprête à franchir une étape décisive

Stephen Shukur

Directeur régional des ventes chez Cavotec Group

La recharge des navires électriques a toujours présenté ses propres difficultés. Presque tous les sites peuvent désormais recharger les navires sans tracas, qu'il s'agisse de composer avec des conditions environnementales difficiles ou de se raccorder automatiquement à un véhicule en mouvement. Grâce à la mise en place du système MCS (Megawatt Charging System), un changement radical se profile dans la recharge des navires. Nous discuterons de l'état actuel des solutions de charge, des défis qui subsistent pour les solutions et applications existantes, ainsi que de la manière dont le système MCS stimulera la mise en place de solutions plus simples et accélérera l'électrification du secteur.

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The Evolution of Energy Storage Systems – Leverage advancing technologies to power electric and hybrid ferries and strive towards zero-emission Operations

Maryam Ebrahimian

Sales Manager Canada at Corvus Energy

Worldwide over the past decade, Corvus Energy has provided battery energy storage systems (ESS) in 150 all-electric, hybrid and plug-in hybrid passenger, Ro-Pax and Ro-Ro ferries, amassing extensive experience and knowhow in the complex technology and lifecycle decision-making challenges facing ferry operators as they embark on the decarbonization of their fleets. This presentation and case study outlines key factors to consider when selecting a battery ESS for your hybridization/ electrification projects and profiles how Seaspan Ferries leveraged evolving battery cell and ESS technology.

ESS Key Factors to Consider:

1. Cell technology evolution: An overview and comparison of the various cell technologies and the energy and power they deliver.
2. Key factors in battery technology selection and ESS sizing: A discussion on how vessel load profile and shore charging infrastructure impact the ESS's ability to address applications such as peak shaving, all-electric transit, and zero-emission port stay.
3. Protecting your investment in energy storage integration: An overview of ESS design trends that provide flexibility in fleet management and routing, as well as make it easier to continue to take advantage of the latest battery cell technologies

Seaspan Ferries Case Study:

Profiles how early-adopter, Seaspan Ferries, leveraged evolving ESS technology to gain operational benefits and presents data from a recent upgrade that quadrupled energy storage capacity on board the Seaspan Reliant – the first vessel to deploy Corvus Energy's multimegawatt-hour Blue Whale ESS.

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Les progrès réalisés dans les systèmes de stockage d'énergie ouvrent la voie à l'emploi de technologies de pointe pour alimenter les traversiers électriques et hybrides, en visant la carboneutralité de l'exploitation

Maryam Ebrahimian

Directrice des ventes au Canada chez Corvus Energy

Au cours de la dernière décennie, la société Corvus Energy a équipé 150 traversiers de passagers, rouliers à passagers et rouliers entièrement électriques, hybrides et hybrides rechargeables de systèmes de stockage d'énergie (SSE). Ces projets lui ont permis d'acquérir des compétences significatives dans les technologies complexes et les défis liés à la prise de décision tout au long du cycle de vie, auxquels les exploitants de traversiers sont confrontés lorsqu'ils se lancent dans la décarbonisation de leur flotte.

Dans cette présentation et cette étude de cas, nous expliquons les principaux éléments à prendre en compte lorsque l'on choisit une batterie pour un système SSE dans un projet d'hybridation/électrification, tout en montrant comment Seaspan Ferries a tiré profit des avancées technologiques dans les cellules de batterie et les systèmes SSE.

Principaux éléments à prendre en compte pour choisir un système SSE :

1. Évolution des technologies de cellules : vue d'ensemble et comparaison des différentes technologies de cellules, ainsi que l'énergie et la puissance qu'elles fournissent.
2. Principaux éléments à prendre en compte pour choisir la technologie de batterie et dimensionner un système SSE : examen de la façon dont le profil de charge du navire et l'infrastructure de recharge à quai influencent la capacité du système SSE à prendre en charge des applications telles que l'écrêtement des pointes, le transit entièrement électrique et le séjour portuaire zéro émission.
3. Sécurité de votre investissement dans l'intégration du stockage d'énergie : examen des tendances actuelles en matière de conception des systèmes SSE qui offrent de la souplesse dans la gestion de la flotte et dans l'acheminement, tout en permettant de tirer parti des dernières technologies de cellules de batterie.

Étude de cas Seaspan Ferries : dans cette étude, nous détaillons comment Seaspan Ferries, en tant qu'utilisateur précoce de cette technologie, a profité des avancées dans les systèmes SSE pour obtenir des avantages opérationnels. Nous présentons également les données d'une récente mise à niveau ayant quadruplé la capacité de stockage d'énergie à bord du Seaspan Reliant, le premier navire à déployer le système SSE Blue Whale de Corvus Energy, d'une capacité de plusieurs mégawattheures.

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18 Month Performance of the ZERO Marilyn Bell I: the Result vs Expectations

Shawn Balding

General Manager at Canal Marine & Industrial

This is the evaluation of the 18-month performance of the conversion of the Marilyn Bell to a zero-emission ferry. The ferry has been in reliable operation for a year and a half, and our team has conducted an analysis of its performance. The evaluation covers several key areas of performance, including efficiency, cost-effectiveness, environmental impact, and crew and passenger satisfaction. We will discuss how the ferry has performed and how that compares to our pre-project projections in each of these areas.

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Rendement du Marilyn Bell I zéro émission sur une période de 18 mois : comparaison des résultats par rapport aux attentes

Shawn Balding

Directeur général de Canal Marine & Industrial

notre équipe a analysé le rendement du Marilyn Bell sur une période de 18 mois après sa transformation en un traversier zéro émission. Le traversier fonctionne de manière fiable depuis un an et demi, et nous présentons les résultats de l'analyse. Nous avons examiné le rendement dans plusieurs domaines essentiels, notamment l'efficacité, la rentabilité, l'incidence environnementale, ainsi que la satisfaction de l'équipage et des passagers. Nous discuterons du rendement du traversier et le confronterons à nos prévisions initiales dans chaque domaine.

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Decarbonization Alternative Fuels and Energy Technology Development and Readiness

Mark Keneford

Managing Director at Wärtsilä North America Inc.

Matteo Sartori

Senior Expert, System Development & Design at Wärtsilä

More than any other vessel segment, ferries are the ideal case for the adoption of alternate fuels and renewable energy from shore with the goal to decarbonize their operations. When a ferry operates in a region with renewable energy, and a feedstock to allow alternate fuel production, available now or in the future, the conditions exist to design, build and operate ferries that are essentially carbon neutral. This is particularly important since ferries are a significant investment and they generally operate for 40 years or more. Moreover, ferries are closely located in our communities and influence our lives in many ways, not least the environmental impacts. This presentation will discuss the various alternate fuel types specifically in ferry applications, their technology readiness, design and operational impacts, future fuel strategies roadmaps and we will look at some reference cases where operators are already building or converting vessels that leverage these decarbonization opportunities.

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Mise au point et maturité des technologies de remplacement des carburants et des sources d'énergie en vue de la décarbonisation des traversiers

Mark Keneford

Directeur général de Wärtsilä North America Inc.

Matteo Sartori

Expert principal, en élaboration et conception de systèmes chez Wartsila

Les traversiers se distinguent des autres segments de navires en ce qu'ils constituent la solution idéale pour l'adoption de carburants de remplacement et d'énergies renouvelables à quai, en vue d'en décarboniser l'exploitation. Si une région dispose d'énergies renouvelables et de matières premières pour des carburants de remplacement, qu'elles soient disponibles aujourd'hui ou demain, elle peut concevoir, construire et exploiter des traversiers carboneutres pour l'essentiel. Cet aspect revêt une grande importance, car les traversiers représentent des investissements considérables ayant généralement une durée d'exploitation de 40 ans ou plus. Par ailleurs, les traversiers entretiennent des liens étroits avec nos collectivités et exercent une influence sur nos vies de diverses manières, notamment par leur incidence sur l'environnement. Dans cette présentation, nous examinerons les divers types de carburants de remplacement spécialement utilisés par les traversiers, leur niveau de maturité technologique, leur incidence sur la conception et l'exploitation, et les orientations futures en matière de carburants. Nous passerons également en revue quelques cas de référence dans lesquels les exploitants ont construit ou transformé des navires afin de tirer profit de ces possibilités de décarbonisation.

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A Global Perspective: How Ferries Support Local Economies, Safety and the Environment

Mike Corrigan

CEO at Interferry

Ferries provide a lifeline service transporting goods and people to coastal communities. Interferry CEO, Mike Corrigan will give a global perspective of how ferries are woven into the transportation blueprints of the regions they serve and how they help drive their respective local economies. A brief overview of findings from a recent study by World Maritime University (commissioned by Interferry through a grant from Lloyd's Register Foundation) titled 'Safety of Domestic Ferries: Scoping study of seven high-risk countries' will be shared with an update on how Interferry plans to support ferry safety in developing regions. In developed regions, ferries certainly enable economic development and connect communities but the industry will still be faced with their own unique challenges over the next decade and beyond. The most pressing challenges lie within trying to attract, train and retain a skilled workforce (People) and meeting increasingly demanding GHG reduction targets (Power.) Mike Corrigan will share some of his key "Power + People" takeaways from the 2022 Interferry Conference. This includes ideas for attracting and retaining a skilled force and how operators can think about bridging labour gaps through automation, as well as a look at what industry leaders around the world are doing in the race to zero-emissions.

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Un regard mondial sur la manière dont les traversiers favorisent l'économie des collectivités, renforcent la sécurité et protègent l'environnement

Mike Corrigan

Directeur général d'Interferry

Les traversiers jouent un rôle essentiel pour les collectivités en transportant des marchandises et des personnes vers les régions côtières. Dans son intervention, Mike Corrigan, directeur général d'Interferry, décrira comment les traversiers s'intègrent dans les plans de transport des régions qu'ils desservent et contribuent à stimuler l'économie de leurs collectivités respectives. Nous présenterons succinctement les résultats d'une étude récente de l'Université maritime mondiale (commandée par Interferry par le biais d'une subvention de la Lloyd's Register Foundation) intitulée « Safety of Domestic Ferries: Scoping study of seven high-risk countries » (sécurité des traversiers nationaux : étude de cadrage de sept pays à risque élevé). Nous ferons également le point sur la façon dont Interferry prévoit de renforcer la sécurité des traversiers dans les régions en développement. Bien que les traversiers contribuent indéniablement au développement économique des collectivités et à leur rapprochement dans les régions développées, le secteur devra relever des défis qui lui sont propres au cours de la prochaine décennie et par la suite. Parmi les défis les plus urgents, citons l'attraction, la formation et le maintien en poste de travailleurs qualifiés (volet des personnes), ainsi que l'atteinte d'objectifs de réduction des émissions de gaz à effet de serre de plus en plus ambitieux (volet de l'énergie). Mike Corrigan exposera certains des principaux enseignements de la conférence Interferry 2022 sur le thème « Power + People » (volets de l'énergie et des personnes). Il présentera notamment des idées visant à attirer et à retenir une main-d'œuvre qualifiée, et expliquera comment les exploitants peuvent combler le manque de main-d'œuvre grâce à l'automatisation. Il donnera également un aperçu des initiatives menées par les chefs de file du secteur dans le monde afin de parvenir à la carboneutralité.

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What will Passengers Expect in the Future: How to Prepare – Digitization

John Bertell

Director of Sales at CARUS

- People – what will passengers expect in the future – how to prepare - Digitalization
- Digital Ferry Travel Experience - Passengers will expect a digital experience while travelling.
- Personalized Services - They will expect that you recognize them and welcome them as guests.
- End-to-End Integrated Information - They will expect that all your interactions with them over the course of the travel are all connected to their ticket, pre-booked or up-sales.
- Enhanced Service through Self-Service - Self-service is not primarily a tool to save cost of service staff, it is a tool that enables you to enhance your customer service.
- Multi-Lingual Services - Digital services provide multi-lingual opportunities, serve more passengers in their own language.
- Minimize Queuing - If you use technology to minimize queues, you will have happier customers and they will consume more supplementary services.
- Real-Life Example in Vancouver - Example by Vancouver Island Ferry on how a digitalized experience is provided using Carus tools.

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Comment se préparer aux prochaines attentes des passagers en matière de numérisation?

John Bertell

Directeur des ventes chez CARUS

- Volet des personnes : comment se préparer aux prochaines attentes des passagers en matière de numérisation?
- Expérience numérique sur un traversier : les passagers s'attendront à profiter d'une expérience numérique lors de leurs déplacements.
- Services personnalisés : les passagers s'attendront à ce que vous les reconnaissiez et les accueilliez comme des invités.
- Intégration complète de l'information : les passagers s'attendront à ce que toutes les interactions que vous aurez avec eux au cours du voyage soient liées à leur billet, à leur préservation ou à leur achat.
- Amélioration du service grâce au libre-service : le libre-service ne consiste pas simplement à réduire les coûts liés au personnel de service, mais à améliorer le service à la clientèle.
- Services multilingues : les services numériques offrent des possibilités multilingues et sont accessibles à un plus grand nombre de passagers dans leur propre langue.
- Réduction des files d'attente : le recours aux technologies permet de réduire les files d'attente et d'accroître la satisfaction des usagers de sorte qu'ils consomment davantage de services supplémentaires.
- Exemple concret à Vancouver : comment la société Vancouver Island Ferry se sert-elle des outils Carus pour offrir une expérience numérisée?

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Technologies able to help decarbonizing the ferry industry – pros and cons from a Classification Society perspective

Andreas Ullrich

Global Market Leader at Bureau Veritas

Till 2050 shipping need to decarbonize its operation due to international, regional and national regulations. This has as well a significant effect on the ferry industry which plays an important role in commuter traffic. Efficiency of ships has improved in the last years, however will this be enough to reach the goal of net zero by 2050? What needs to be done and what can be done, which technologies are on the market, how mature they are, what does it mean to design and operation, do we need more ships to satisfy the demand? These and other topics will be addressed from a view of a Classification Society by highlighting the pros and cons of different technologies able to support the transition.

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Technologies pouvant jouer un rôle dans la décarbonisation du secteur des traversiers : analyse des avantages et inconvénients du point de vue d'une société de classification

Andreas Ullrich

Responsable du marché mondial chez Bureau Veritas

D'ici 2050, le secteur maritime devra réduire ses émissions de carbone conformément aux réglementations internationales, régionales et nationales, ce qui aura des conséquences notables sur le secteur des traversiers, un acteur majeur des déplacements domicile-travail. Bien que l'efficacité des navires se soit améliorée ces dernières années, ces progrès seront-ils suffisants pour atteindre l'objectif de carboneutralité d'ici à 2050? Quelles mesures faut-il prendre et quelles possibilités s'ouvrent à nous? Quelles sont les technologies actuellement disponibles sur le marché, et quel est leur niveau de maturité? Quelles sont les conséquences pour la conception et l'exploitation? Est-il nécessaire d'augmenter le nombre de navires pour satisfaire la demande? Nous examinerons notamment ces questions du point de vue d'une société de classification, en mettant en évidence les avantages et les inconvénients des différentes technologies susceptibles de soutenir la transition.

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Environmental Sustainability Objectives in BC Ferries' New Major Vessel Design

Ed Hooper

Executive Director, Shipbuilding at BC Ferries

BC Ferries' sustainability goals include a target to reduce Greenhouse Gas (GHG) emissions by a minimum of 27 percent below 2008 levels by 2030. The four major routes operated by BC Ferries constitute approximately two thirds of the total GHG emissions for the entire corporation. For this reason, the design of the New Major Vessels that will replace legacy vessels operating on these routes will include a sustainable approach to evaluating energy supply and propulsion technology. BC Ferries will present a simplified summary of our work to arrive at a preferred energy supply for the design, and will discuss how BC Ferries is investigating different ways that the New Major Vessels can reduce onboard energy consumption beyond propulsion demand.

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Objectifs de durabilité environnementale dans la conception des nouveaux gros navires de la société BC Ferries

Ed Hooper

Directeur général de la construction navale chez BC Ferries

Dans le cadre de ses objectifs de durabilité, la société BC Ferries vise, d'ici à 2030, une réduction d'au moins 27 p. 100 des émissions de gaz à effet de serre par rapport aux niveaux de 2008. Environ deux tiers des émissions totales de gaz à effet de serre de BC Ferries proviennent des quatre principales lignes qu'elle exploite. Par conséquent, la conception des nouveaux gros navires destinés à remplacer les anciens sur ces lignes étudiera l'approvisionnement énergétique et le mode de propulsion sous l'angle de la durabilité. BC Ferries récapitulera de manière concise les travaux menés pour sélectionner une source d'énergie privilégiée lors de la conception, et présentera son analyse des différentes manières dont les nouveaux gros navires peuvent minimiser leur consommation d'énergie à bord, outre la consommation liée à la propulsion.

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