

Annual report **2021**





***« To be an innovative urban port,
growth generator,
at the heart of a competitive supply chain »***

An aerial photograph of a port area. On the left, there are several large industrial buildings with blue roofs. In the center, a large white ship with a green and yellow logo on its deck is docked. The ship has the word "OCEAN" written on its side. The right side of the image shows a body of water and a distant shoreline with trees and buildings.

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and TRPA team

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Message from the Chairwoman of the Board and the President and CEO

The Port of Trois-Rivières community has once again demonstrated its strength and resilience over the past year. While the pandemic continued to affect many sectors of activity, cargo traffic at the Port of Trois-Rivières increased by 20% over the previous year. This once again confirms the importance of maritime transportation and the intermodal platform that our Port provides to the local, regional and national economy.

Our stevedoring companies: G3 Canada, Groupe Somavrac, Logistec and QSL, the longshoremen and all the Port's workers, as well as our customers and numerous collaborators, form the port community with whom, on a daily basis, we share common objectives related to sustainable development, optimization, improvement and innovation. Together with them, we are able to ensure a sustained level of activity year after year for the benefit of our local and regional industries, which operate in major industrial sectors such as aluminum, forestry, construction and agri-food.

It is for the benefit of these companies and the men and women they employ that we have pursued the On Course for 2030 development plan. The Terminal 21 project has reached two milestones in the past year. First, the Quebec government, through the Advantage St. Lawrence initiative, confirmed its support to the tune of \$22.5 million, just a few months after we unveiled this latest maritime vision. Then, last September, the Canadian Impact Assessment Agency held three public consultation sessions where the Port presented the project to the public.

The project to build a road corridor adapted to the transit of oversized parts linking the industrial port area and the Port received the support of Canada Economic Development when the Honourable Mélanie Joly confirmed \$3.7 million in financial support for the project.

The Port of Trois-Rivières is certainly an engine of our economy, but it is also a partner on which our local and regional organizations can count. In 2021, 38 of them received financial or volunteer support from our organization to help them carry out their mission.

Finally, 2022 will be a year of festivities as the Port of Trois-Rivières celebrates its 140th anniversary. A diversified program will be offered to reach our clients and partners as well as local organizations and the general public. We strive to make the Port of Trois-Rivières a source of pride, especially for the people of Trois-Rivières, and this is what motivates us every day to continually improve. We hope that the 140th anniversary activities, by introducing the Port in different ways, will help to create or reinforce this pride.



Danielle St-Amand
Chairwoman of the Board

Gaétan Boivin
President and Chief Executive Officer



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*Board of Directors
and TRPA team*

Board of Directors



Danielle St-Amand
Chairwoman of the Board



Véronique Néron
Vice-Presidente and Chair of the Governance committee



Marie-Josée Gervais
Director and Chair of the Human Resources committee



Guylaine Laporte
Director and member of the Audit committee



Félix Hamel
Director and member of the Human Resources committee



Pierre Ducharme
Director and Chair of the Audit committee



Denys Bernard
Director and member of the Governance committee, nominated in February 2022



Jean Mongeau
Corporate Secretary



Gaétan Boivin
President and Chief Executive Officer

Meetings held in 2021

- Board of Directors: 6
- Audit committee: 5
- Human Resources committee: 6
- Governance committee: 7

The Port would like to welcome Mr. Félix Hamel and Mr. Denys Bernard to the Board!

TRPA team

General management



Gaétan Boivin
President and CEO



Liliane Bussière
Executive Assistant



Jacques Paquin
Executive Vice-president

Administration



Luc Forcier
Director Finances and
administration



Carole Desjardins
Accounting Analyst

Public Affairs and Human Resources



Sara Dubé
Director Public Affairs and
Human Resources



Valérie Ménard
Communication
Coordinator

Strategic Development



David Berthelot
Director of Business
Development



Geneviève Allard
Director Innovation,
Logistics and Productivity



Claudie Gagnon
Director Sustainable
Development



Jimmy Hamel
GIS & Logistic Analyst



Charles Plantureux
Logistics and Productivity
Coordinator

Operations



Sylvain Gendron
Director Operations



André Desjardins
Harbour Master



Vienney Carpentier
Supervisor of Environment,
Safety and Security



Francis Jutras
Maintenance worker



Mylène Houle
Supply and Accounting
Technician

Joined us during the year 2021



Anick Métivier
Vice-President Strategic
Development



Jean-François Grenier
Director Infrastructure and
Operations



Vicky Adam
Project manager

An aerial photograph showing a large industrial structure, possibly a bridge or a large building component, being lifted by a crane. The structure is white and has a complex, angular shape. It is being hoisted by a thick cable that runs diagonally across the frame. The structure is positioned over a body of water, and a large ship's deck is visible in the foreground. The deck is dark and has various pieces of equipment, including a large crane and some smaller structures. The overall scene suggests a major engineering or construction project.

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Activities report



2021 results review

Despite the pandemic situation, the Port of Trois-Rivières recorded cargo traffic of 3.9 million metric tonnes (MMT) with an estimated value of \$5.3 billion. This represents a 20% increase in Port activities compared to 2020.

Thus, the 3.3 MMT of dry bulk traffic accounted for 85% of the total tonnage, liquid bulk, with 240,000 metric tonnes, 9%, and general cargo 6% with 340,000 metric tonnes. A total of 217 vessels docked at the Port.

Mobile vaccination clinic

In July, a mobile vaccination clinic organized by the CIUSSS MCQ visited the Port of Trois-Rivières. Ships' crews, truckers and Port workers were invited to be vaccinated for COVID-19.

63 doses were administered through this clinic.



First vessel of the year

On January 1, 2021, the Federal Kushiro received the distinction of being the first vessel of the year. It reached the Port at 3:48 a.m., after a 13-day Atlantic crossing. She was carrying a cargo of calcined coke destined for the Alcoa Smelter in Deschambault. The cargo was unloaded by our stevedoring company G3 Canada.

Government of Canada's financial support for the development of a road corridor to transport non-standard equipment

In August, Minister Mélanie Joly was in town to confirm a \$3.77 million grant to the Port of Trois-Rivières for the construction of a permanent road corridor for the transportation of oversized equipment between the industrial zone and the port facilities.

« Thanks to Canada Economic Development's assistance, the Trois-Rivières Port Authority and the Ville de Trois-Rivières will put infrastructure into place to support the city's manufacturing industry. This will help it develop its international markets while also reducing the environmental impact of transporting exported products. This project is perfectly aligned with what the city and the Port have proposed to develop the Trois-Rivières industrial port area. »

Gaétan Boivin, president and CEO,
Trois-Rivières Port Authority



Announcement by Advantage St. Lawrence

The Port team was honoured to welcome Ms. Chantal Rouleau, Minister of Transport, Mr. Jean Boulet, Minister of Labour, Employment and Social Solidarity and Minister responsible for the Mauricie region, as well as several partners in the maritime sector, for the official announcement of Quebec's new maritime vision: Advantage St. Lawrence. This plan provides important additional support for the realization of the *On Course for 2030* development plan.

Terminal 21



Financial support from the Ministère des Transports du Québec

The Port of Trois-Rivières has received confirmation of substantial funding of \$22.5 million for the Terminal 21 project from the Ministère des Transports du Québec as part of Advantage St. Lawrence.

"With this investment, the Government of Quebec is counting on the Port of Trois-Rivières and its Terminal 21 project to make the new maritime vision of Advantage St. Lawrence a reality. We are honoured by the confidence the Government of Quebec has shown in the Trois-Rivières port community," said Ms. Véronique Néron, vice-chair of the Port of Trois-Rivières' Board of Directors.

Public consultations

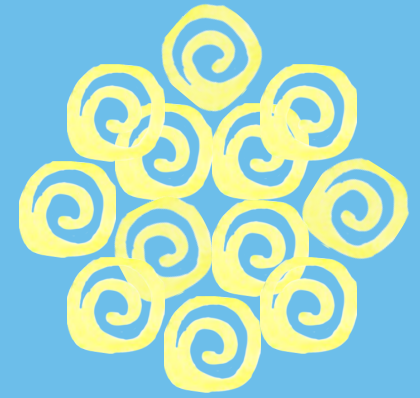
In September, the Impact Assessment Agency of Canada filed the Environmental Impact Statement for the project with the Canadian Impact Assessment Registry and held three public consultation sessions.

It should be noted that Terminal 21 is the largest expansion the Port has undergone since its creation in 1882. Innovation and environmental compliance will be at the heart of the project.

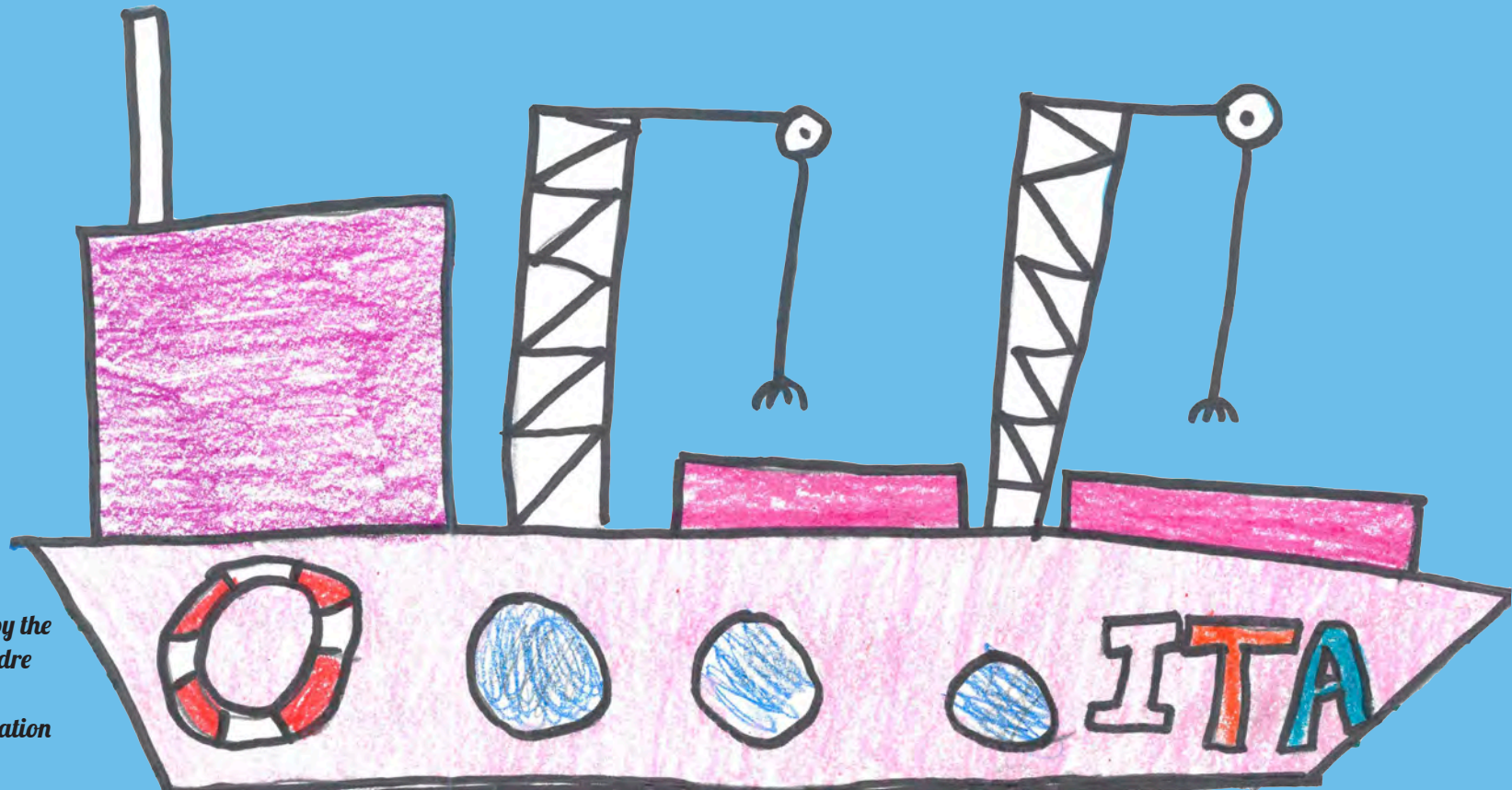




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Our involvement



Montage inspired by the
drawing of Alexandre
Turcotte, Grade 1
International Education
Elementary School



The Port of Trois-Rivières continued its community investments by contributing to the mission of 38 organizations working in the fields of social, cultural, environmental, educational and economic development.



Drawing contest

During spring break, the Port called on young artists in the region to create a drawing that represents the Port's facilities or anything that surrounds it. There was a great response to this contest and we are proud to honour these young artists on this page of the annual report.



Leucan League of Defenders

Our colleague Sara Dubé was one of the first to join the Leucan Mauricie and Centre-du-Québec League of Defenders.

The Leucan League of Defenders is a movement of business leaders and individuals who support the Leucan cause and its families. Thanks to these members, Leucan is present with families as soon as a diagnosis is made and at all stages of the disease and its effects. They allow the Association to be there to relieve the anguish of parents when they feel helpless and when questions are running through their minds.

Défi Jean-Pierre-Petit, a success!

The RSTR Foundation's Défi Jean-Pierre-Petit was held in a «home» setting due to the health restrictions in effect during the event. Several Port Authority employees participated by practicing their favorite sport, namely walking, hiking and cross-country skiing. The team covered more than 2,000 km during the month of February!



Gala Edis

During the 9th edition of the Gala Edis of the Jeune Chambre de la Mauricie, the Port of Trois-Rivières awarded the Éclore prize to Gena Déziel of Trois-Rivières Centre for the innovative and original project of the Terrasse St-Lau. The Éclore award recognizes a business, organization or individual that has distinguished itself over the past year by its innovative project, practice or action, whether or not adapted to the pandemic context.



Gala Radisson



At the 36th Gala Radisson of the Chambre de commerce et d'industries de Trois-Rivières, the Coup de cœur – Fierté trifluvienne award, presented by the Port of Trois-Rivières, was given to the company Technopole Mauricie Centre-du-Québec.

This Radisson is awarded to a business, group of individuals or organization that stands out for its particular contribution to the City's economic development.



With the pandemic still very much alive, the Salon du Livre de Trois-Rivières organized a virtual version of its annual event in 2021. Mr. Raymond Quenneville, one of the five artists who participated in the creation of the *Hommage au Saint-Laurent* collection of works, held a workshop to present the book containing all of the works in the collection acquired by the Port as well as several accounts of this creative project.

The Défi kayak Desgagnés, a sporting challenge that we have been supporting for the past six years, is organized to benefit the organization Jeunes musiciens du monde, which enables young people from at-risk backgrounds to develop their abilities and aspirations by offering free music activities.

We would like to highlight the participation of our colleague Geneviève Allard for a second consecutive year as mentor.





The Festrivoix team has surpassed itself by offering a great program. We had the opportunity to be partner with the Port of Trois-Rivières stage that offered music lovers a breathtaking view of the river.

Festrivoix

Dansencore international festival



Credit : Cécile Batéjat

The Dansencore international festival was held in a hybrid format in order to make dance accessible to as many people as possible. The Port of Trois-Rivières was a proud partner of the free shows, the gala and the art films throughout the festival.

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Sustainable development report





Sustainable development is an approach that aims to meet current needs without compromising the ability to meet those of future generations¹. It also aims at promoting an eco-responsible management contributing to a sound future essential to human well-being. It involves raising the standard of living while protecting human health, preserving the environment, using resources wisely and advancing long-term economic competitiveness. For the Port of Trois-Rivières, this approach requires, among other things, the integration of environmental, economic and social priorities into the corporate culture, at all levels of intervention.

The Port's sustainable development is closely linked to the *On Course for 2030* Strategic Plan. This has resulted in a vision of sustainable development for the Port that seeks a balance between social, environmental and economic concerns.

Over the past year, the Port has carried out actions and initiatives that consolidate the foundations of a progressive and participatory approach that responds to the challenges of today and helps the capacity of future generations to meet the challenges of tomorrow!

¹ Sustainable Development Act (D-8.1.1, 2006)

Sustainable commitment

The Board of Directors and the Port team are committed to supporting and deploying coherent and sustainable actions and initiatives within the framework of sustainable guidelines. The Port's approach also aims to mobilize the port community with respect to global sustainable development issues as well as their local, regional and national scope.



Social et
communautaire



Prosperité
économique



Environnement
et santé

A sustainable port generates economic prosperity through trade and market positioning (economic sphere), interacts with an engaged and active community (social sphere), and maintains environmental integrity to thrive in a healthy environment (environmental sphere). Our 2021 review highlights ten initiatives that span these three spheres.





Review of initiatives carried out in 2021

- 1** Affiliation with the 2030 International Association of Cities and Ports
- 2** Focus on citizens
- 3** Reducing risks and conflicts of use
- 4** Environmental sensor network to prevent risks and harmonize uses
- 5** Lighting modifications

- 6** Support to various organizations and foundations
- 7** Modern and innovative infrastructures
- 8** Sustainable relationships with First Nations
- 9** Cultural and port-based identity
- 10** Purchasing policy



Affiliation with the 2030 International Association of Cities and Ports

Since 2020, the Port has participated in the International Association of Cities and Ports (IACP) Agenda for sustainable development. This is the first global initiative that adapts the United Nations (UN) *Sustainable Development Goals* to the specific context of City-Port relations. These actions and initiatives contribute to promoting sustainable development and city-port relations. They have greatly inspired the Port of Trois-Rivières' 2021 approach to sustainable development.

Focus on citizens

The Port and its cargo handlers pay particular attention to reconciling industrial activities with the adjacent urban environment. Loading, unloading and handling operations are adapted to the surrounding residential context. Citizens remain at the core of the reflections and actions to be undertaken so that the Port can fully assume its urban character. In 2021, the port community applied the *Good Environmental and Operational Practices* which present the actions to be taken from an environmental and social perspective.

A large, stylized number '3' in a light gray color, positioned on the left side of the page. It is partially overlaid by a teal vertical bar and the text 'Reducing risks and conflicts of use'.

Reducing risks and conflicts of use

In terms of environmental protection and nuisance reduction, the port community is constantly looking for ways to improve port and logistics operations. This is particularly applicable to the maritime, road and rail components, at all stages of handling, storage and transportation, while developing and implementing new operating methods.

The Port continued its leadership role in 2021 to establish an environmentally friendly culture. In consultation with cargo handlers, the Port worked towards continuous improvement of practices and rigorous monitoring of operations that may cause nuisances. The port community has continued to put in place means to increase the protection and improvement of the environment in order to contribute to a better quality of life for the surrounding population.

In urban planning, the activities authorized in 2021 at the various terminals have taken into account the notion of harmonizing uses to reduce the effects on the neighborhood. The terminals closest to the residential sectors are dedicated to the handling of general cargo, while bulk activities are grouped on the terminals in the western sectors.

Environmental sensor network to prevent risks and harmonize uses

The Port wants to ensure that Trois-Rivières residents live in a safe environment that takes into account their health and well-being. This includes measures to improve environmental protection. The port community is committed to maintaining an environmental management framework that identifies and understands the potential impacts of its activities and strives for continuous improvement in its performance. In 2021, the Port benefited from a network of tools for its environmental monitoring (air quality, noise level, vibrations and weather conditions). These tools allow the port community to gain a better understanding of the effects generated, to implement an effective preventive monitoring process and to undertake rapid interventions when necessary.





Lighting modifications

In the summer, when a five-module LED streetlight was installed at Pier 20, special attention was paid to reducing the effects of light pollution. The orientation of the lights is carefully directed on the terminals in order to reduce the abnormal or disturbing nighttime presence of light on the immediate environment. This was done in order to reduce the impact of artificial night lighting on the wildlife, flora and population living near the Port.



Support to various organizations and foundations

For the community aspect, particularly for an urban Port like ours, participating in improving our community's ability to ensure the well-being of all is essential. This is why the Port has contributed to the reduction of social inequalities by supporting several foundations and organizations dedicated to this cause, either through financial support or by volunteering to carry out projects. Many members of the Port's team are committed to the community with dedication and generosity, a value that is part of the organization's DNA.

Modern and innovative infrastructures

The Port is making an intelligent shift by promoting innovation in order to be in symbiosis with its environment. It therefore aims to continuously improve the management of logistics and port activities in a context of sustainable development. The Port seeks to promote inclusive innovation practices and create synergies to develop new knowledge through innovation projects. The Port has a great potential to boost the economy while accompanying and inspiring the choice of innovative, green, carbon neutral and sustainable technologies, techniques, methods and projects.

With its partners, the Port is exploring and contributing to various fields of action that cover process intelligence, green technologies, sustainable growth planning, and the promotion of collective intelligence.

The flagship project related to sustainable development is certainly the Green Port (Port Vert) project done in collaboration with Innovation Maritime. It includes an audit of current port practices in 2021 as well as the evaluation and feasibility of implementing new clean technologies. This project aims to help the port community establish an action plan for the adoption of customized technologies towards the development of a sustainable Green Port. As examples, here are some of the other topics studied by the Port of Trois-Rivières:

- Guide to choosing innovative practices and technologies;
- Study of the reduction of environmental noise pollution through the precise identification of sources in real time;
- Study on alternative fuels in maritime transport;
- Feasibility of adopting shore-based electrification technologies at the Port;
- Study of hydrogen projects applied to the Port, and many other topics.

For more information, see the *Collaborative Innovation Projects* section.

Relations with First Nations are important to the Port and several consultation sessions were held in 2021. Their objective is to avoid, mitigate or compensate for the potential negative effects of our projects, while promoting the improvement of the latter, thanks to the exchanges and potential collaborations that result from these meetings.

The purpose of the 2021 consultations was to learn about issues raised by First Nations, including health and socio-economic issues, natural and cultural heritage, historical, archaeological, paleontological or architectural locations, and current use of lands and resources for traditional purposes.

More than just consultations, the Port has developed a collaborative approach with the First Nations interested in getting involved in the realization of the Port's projects by encouraging their participation according to their interests and concerns. First Nations are not only consulted, they are stakeholders in the development of the Port.

Sustainable relationships with First Nations





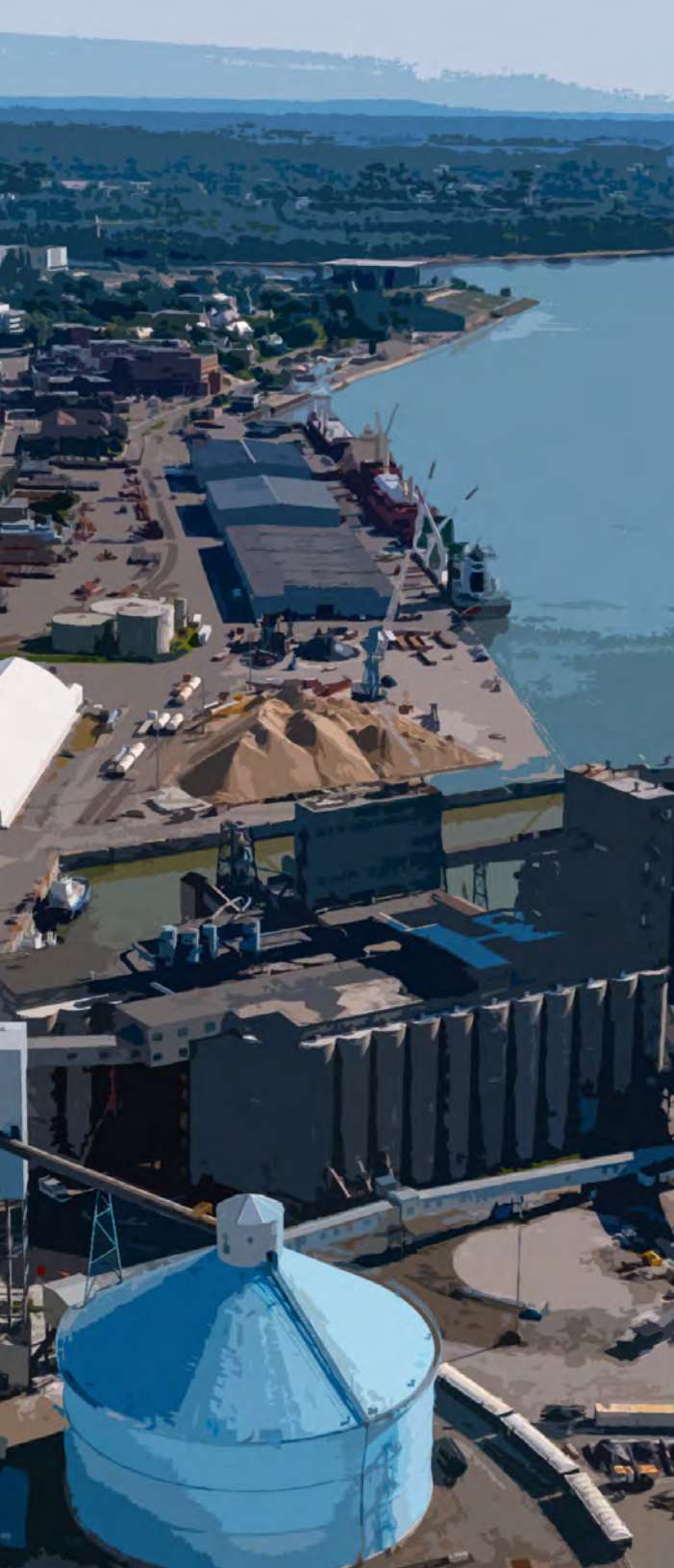
Cultural and port-based identity

The Port values the culture and identity of the port city in which it is located and continues to foster a sense of pride among Trois-Rivières residents in being part of a port community of interest. To achieve this, the Port has been frequently informing residents, neighbourhoods, workers, and our partners about the life and activities of the Port in 2021 through a variety of means and forums. The Port proudly assumes its urban character and ensures that the City of Trois-Rivières and its residents have all the information they need to foster the development of a rich and sustainable maritime and port culture.



Purchasing policy

Another way to ensure that the local community benefits from the Port's presence is specified in the purchasing policy. This policy provides that the purchase and use of local expertise must be encouraged, and that priority must be given to fair trade products.



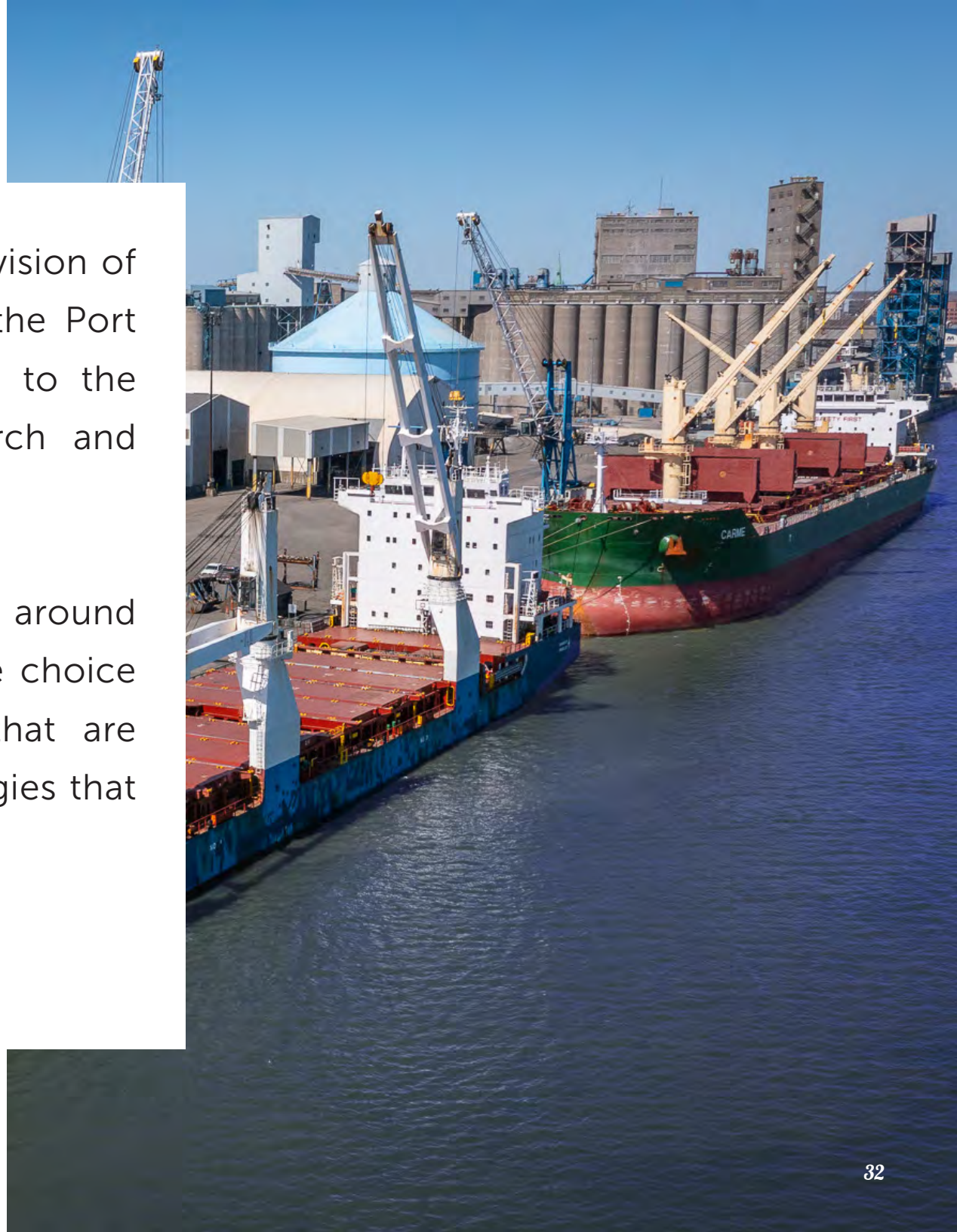
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*Collaborative innovation
projects*

More committed than ever to its vision of being an innovative urban port, the Port of Trois-Rivières has contributed to the advancement of over 25 research and innovation projects.

These projects are structured around four major themes that guide the choice of technologies and methods that are implemented as well as the synergies that are developed with partners.

Here are a few examples:



BEST AND INNOVATIVE PRACTICES IN PORT MANAGEMENT

Guide for the transition to a smart port

A connected, sustainable, safe and automated port, the smart port is based on intelligent infrastructures and equipment, qualified personnel and innovative managerial practices. This project aims at designing a guide to accompany port authorities in the choice of managerial practices and innovative technologies to be prioritised according to their challenges and capacities.

PARTNERS: Université du Québec à Trois-Rivières, MITACS

Development of a software tool to optimize transits on the St. Lawrence River

The objective of this project is to develop a software tool to optimize the transit of vessels on the St. Lawrence and to reduce costs. It aims to use different sources of logistics data and information to develop a tool that will allow for the interruption-free transit of vessels with a minimum level of risk and cost.

PARTNERS: Innovation maritime, Laurentian Pilotage Authority, Réseau Québec Maritime, Montreal Port Authority, Canada Steamship Lines, Fednav

Development of a low-cost water level sensor technology

The Port of Trois-Rivières has collaborated in the development of a new, low-cost water level measurement technique that uses non-intrusive sensors made from GPS antennas. David Purnell's research team used the Port of Trois-Rivières as a test site with two other stations. The accuracy of the water levels was found to be comparable to commercial instruments such as pressure transducers.

PARTNERS: McGill University, FRQNT, McGill Space Institute, American Geophysical Union, Canada Research Chairs



IMPROVED ENVIRONMENTAL, SOCIAL AND ECONOMIC PERFORMANCE

Towards a green and sustainable port

This project focuses on environmental preservation through climate change adaptation, energy transition and the adoption of environmentally responsible practices and clean technologies to improve the efficiency and resiliency of port operations and infrastructure. The first phase of this project is currently underway and consists of an audit of current port practices and processes in order to assess opportunities for the acquisition of clean technologies.

PARTNERS: Innovation maritime, Nergica, InnovLOG, Institut du véhicule innovant, Fonds Écoleader, Escouade Énergie

Artificial intelligence applied to automated recognition of sound clips

The company Seti Media has developed an automated sound clip classification solution based on recognition by artificial intelligence (AI). The project consists of recognizing and classifying different types of sounds (e.g. train, truck, back-up alarm, car, siren, etc.), then increasing the level of accuracy of the technology developed in order to associate the sound clips with operational practices in the port industry.

PARTNERS: Seti Media Inc, VITE program by Sherbrooke Innopole

Reduction of environmental noise by accurate identification of sources in real time

The objective of this master's project by a student from the UQTR in Drummondville is to develop a method for reducing noise at the source. The student is developing tools to continuously correlate the work methods of operators and their effects on the noise emitted by logistics activities. The tools developed inform the operators of the impact of the actions carried out on the noise emitted.

PARTNERS: Université du Québec à Trois-Rivières, Logistec, MITACS

Study and review of wharf electrification technologies in Quebec

To meet its air emissions target, the maritime industry is looking to adopt measures that comply with changing regulations. Dockside electrification is one of these measures. This project is a review of the situation in Quebec. It must identify technical and economic means to promote the installation of these technologies in Quebec. The results are available on the Technopole maritime du Québec website.

PARTNERS: Innovation maritime, MeRLIN Network, Technopole maritime du Québec

DEVELOPMENT OF NEW INFRASTRUCTURE MONITORING METHODS

This project provides a new perspective on wharf inspection methods. It uses sonar and lidar, coupled with a precise positioning system, to produce 3D models from point clouds that provide a global and accurate view of submerged and underwater infrastructure. This project involves different inspection methods and disciplines such as robotics, artificial intelligence and autonomous navigation.

PARTNERS: CIDCO, Teledyne Caris, Seafloor systems, Seatrac, ENSTA Bretagne, University of New Brunswick, Montreal Port Authority

Automated port inspections

In order to reproduce the eddy phenomenon found near wharves when vessels are manoeuvring, the TRPA and the Laurentian Pilotage Authority have agreed to use simulation to better understand the hydraulic effects acting on the wharf walls. As a result of this project, a better understanding of the main causes of erosion and heaving of the sheet piles will be possible in order to implement different mitigation measures that will have been developed and applied during simulations.

PARTENAIRE : Laurentian Pilotage Authority

Erosion analysis of wharves by docking simulation

OPTIMIZATION OF LOGISTICS ACTIVITIES AND PRODUCTIVITY

Development of digital tools for measuring, improving and optimizing the performance of handling activities

This research program of the Natural Sciences and Engineering Research Council of Canada (NSERC) is composed of several graduate projects. The objectives of these master's and doctoral projects will be to enhance available but unused data, to acquire missing data using sensors and field observations, to develop decision support tools, and to use mathematical modeling to test innovative solutions. After three years of research, the Port will have new decision support tools to better control and monitor the performance of port activities using real-time performance indicators.

PARTNERS: Université du Québec à Trois-Rivières, NSERC Alliance

Truck traffic tracking and analysis system at the Port of Trois-Rivières

The TRPA has adopted new technology to track and analyze truck traffic in the Port to improve safety, traffic flow and overall efficiency. The technology is based on the installation of Bluetooth sensors at strategic locations. The results provide key performance indicators to evaluate traffic flow, identify bottlenecks, know and predict waiting times and identify preferred routes according to the products handled.

PARTNERS: Transport Canada's Innovation Centre, SMATS Traffic Solutions, Innovative Solutions Canada

Fluidity of road transport at the gatehouses during the construction of a new port terminal

When additional traffic is added to the Port's regular traffic flow, it is important to mitigate the impacts on the fluidity of inbound and outbound traffic. This project uses a simulation model to analyze bottlenecks (where, when and how much) under various scenarios of port access improvements and utilization. It also provides a preliminary assessment of the carbon footprint under the identified scenarios.

PARTNERS: Université du Québec à Trois-Rivières, MITACS

Digital transition of ports: when playing becomes serious

In today's globalized world, supply chains and maritime transport are under considerable pressure to meet the growing demand for commodity flows. Serious gaming is an approach to show "the players" the benefits of data visibility, data capture technologies and collaboration to support better decision making for all port stakeholders.

PARTNERS: Université du Québec à Trois-Rivières, Centre national intégré du manufacturier intelligent (CNIMI), Réseau Québec maritime

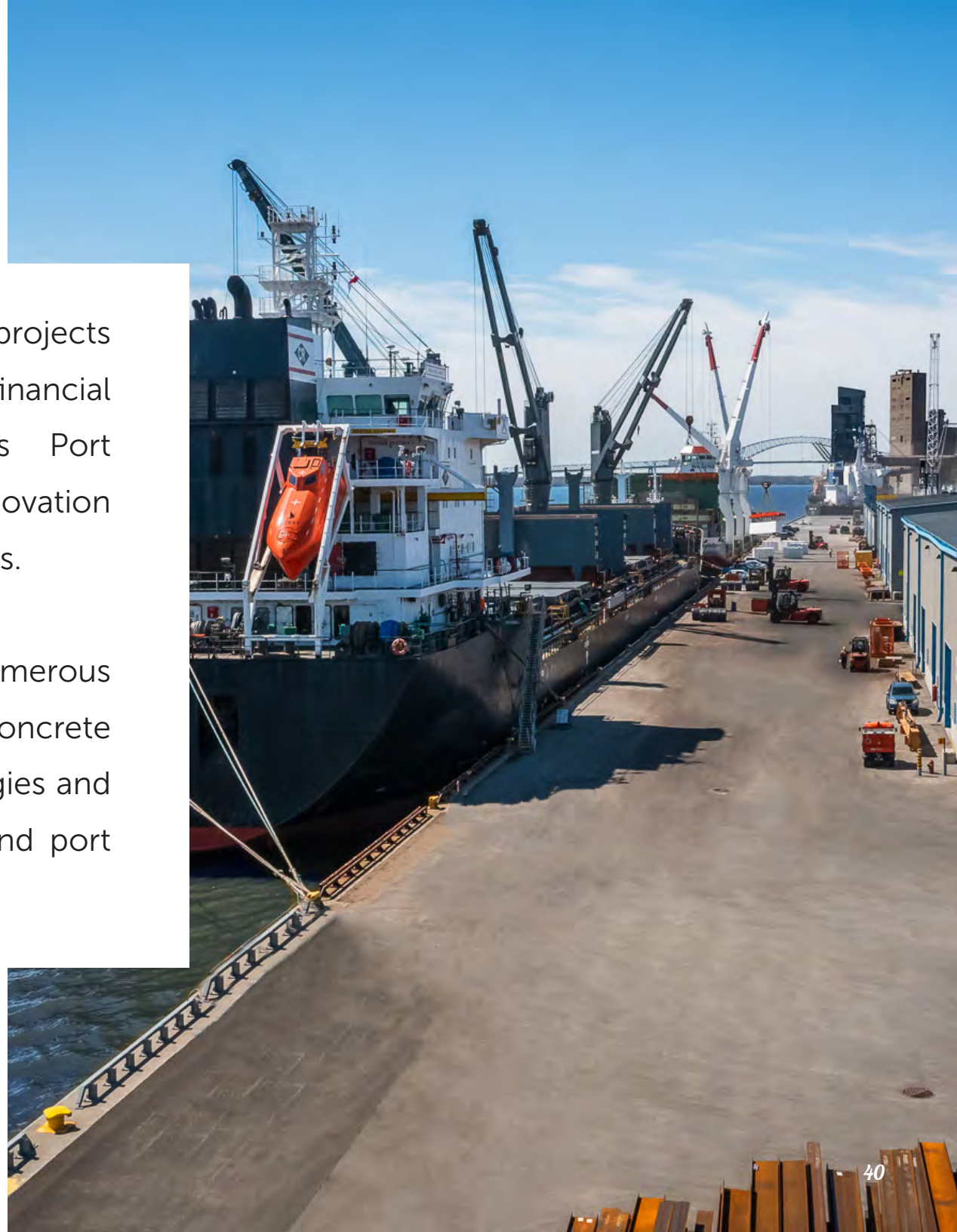
Diagnosis of rail transport bottlenecks for new traffic flows

Port expansion projects such as Terminal 21 require significant resources and careful planning. This project involves developing a simulation model of current and future port facilities with current and planned rail transportation flows. Using historical and forecasted flow data, the simulation model identifies potential bottlenecks associated with increased rail traffic from a new terminal.

PARTNERS: Université du Québec à Trois-Rivières, Fonds recherche du Québec et Réseau Québec maritime, MITACS

The realization of several of these projects was made possible thanks to the financial participation of the Trois-Rivières Port Authority under the Environment, Innovation and Business Growth Investment Funds.

The strong cohesion between the numerous project partners also contributes in a concrete way to the advancement of technologies and ways of operating in the maritime and port ecosystem.





6

Port community



Alcoa - Deschambault smelter

Alcoa – Deschambault smelter continued to implement its action plan to improve the management of its dust collectors at the Port of Trois-Rivières. Concrete results have been obtained thanks to the steps taken. These include the optimization of preventive equipment maintenance, the transfer of operations equipment to Alcoa's production networks to view data remotely, the continuation of dust fallout measurements near sensitive areas and the development of a project to install dust detectors on all dust collectors. Alcoa, in collaboration with its stakeholders at the Port, is constantly working to optimize its processes.

G3 Canada Ltée

G3 Canada Limited made significant investments in 2021 to improve the efficiency of their dust collection system. The work included fan and rotary valve changes, vacuum improvements and the replacement of an energy efficient electric motor. All of these improvements are aimed at more effective dust control and, consequently, help reduce air quality issues as well as the inconvenience associated with the presence of dust.





SOMAVRAC

In 2021, Somavrac built an innovative washing facility at the Port to clean machinery and handling equipment. The washing facility has been designed to minimize the environmental impact of equipment cleaning, to promote sustainable actions and to maintain the equipment in a good working condition.

It reduces the consumption of raw water thanks to an integrated treatment system that allows for the reuse of wash water. The installations allow the segregation of the wash water by product handled and the subsequent reuse of the wash residues.

LOGISTEC

LOGISTEC is an industrial neighbour attentive to the needs of Trois-Rivières residents. To reduce noise pollution, wideband white noise alarms (like “shh shh”) have replaced audible tone back-up alarms (like “beep beep”) on general cargo handling equipment (high-capacity forklifts and wheel loaders). White noise alarms are known to be less intrusive. The sound is directed more to the rear of the equipment, which greatly limits shrill and annoying noises, while ensuring worker safety.



Hason Steel Products

Since their arrival in Trois-Rivières in 2019, Hason's activities have been an immediate success and have created several industrial jobs, as well as significant regional economic spin-offs. Located less than one kilometre from the port facilities, Hason's business site is built on one of the properties owned by the TRPA. In 2021, the Port and Hason have collaborated to make significant improvements to their building, allowing the company to enhance its facilities in Trois-Rivières and to continue its evolution in the assembly of complex heavy-duty systems, as well as in the manufacturing of pressure tanks. Hason's expertise is now more accessible to large international markets and an important international clientele has already benefited from Hason's knowledge and technology.



QSL

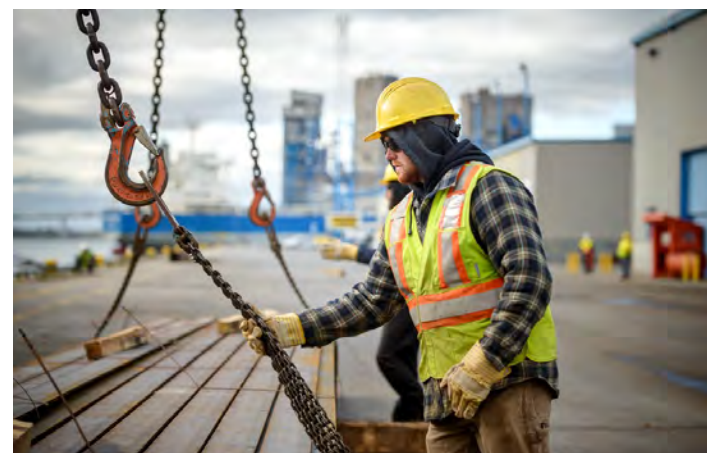
The Port of Trois-Rivières has welcomed a new stevedoring company to its premises, QSL. They handle general cargo.

In 2021, QSL was the first maritime company in Canada to join the United Nations Global Compact. This voluntary initiative is the world's largest corporate sustainability initiative and reflects the company's deep commitment in this regard. By becoming a signatory, QSL is committed to the Global Compact's 10 universal principles related to human rights, labour rights, environmental protection and the fight against corruption. In addition, all QSL terminals are Green Marine certified and are implementing ISO 14001 and 45001 certifications throughout their network.



Quebec-Gatineau Railway

During 2021, Quebec-Gatineau Railways (QGR) has been asked to double the number of railcars available to meet the increased inbound volumes of customers at the Port of Trois-Rivières' Section 19. The restructuring of the service plan will increase rail capacity to ensure the robustness of the logistics chain for years to come.



Over the course of 2021, 83-day labourers and contract workers hired by the Maritime Employers Association were added to the team of longshoremen working at the Port of Trois-Rivières. A major campaign was therefore deployed to train this new workforce in a context of diversified port operations, but also to raise awareness of the high standards of health and safety and environmental protection. Welcome to these new workers!



7

Financial records

INDEPENDENT AUDITOR'S REPORT ON THE CONSOLIDATED SUMMARY FINANCIAL STATEMENTS

To the Board of
Trois-Rivières Port Authority

The consolidated summary financial statements, which comprise the consolidated summary statement of financial position as at December 31, 2021, and the consolidated summary statement of earnings and other comprehensive income for the year then ended, are derived from the consolidated audited financial statements of Trois-Rivières Port Authority (the "Authority") for the year ended December 31, 2021.

Opinion

In our opinion, the accompanying consolidated summary financial statements are a fair summary of the consolidated audited financial statements, in accordance with criteria described in Note 1.

Consolidated Summary Financial Statements

The consolidated summary financial statements do not contain all the disclosures required by International Financial Reporting Standards. Reading the consolidated summary financial statements and the auditor's report thereon, therefore, is not a substitute for reading of the consolidated audited financial statements and the auditor's report thereon.

The Consolidated Audited Financial Statements and Our Report Thereon

We expressed an unmodified audit opinion on the consolidated audited financial statements in our report dated April 27, 2022.

Management's Responsibility for the Consolidated Summary Financial Statements

Management is responsible for the preparation of the consolidated summary financial statements in accordance with criteria described in Note 1.

Auditor's Responsibility

Our responsibility is to express an opinion on whether the consolidated summary financial statements are a fair summary of the consolidated audited financial statements based on our procedures, which were conducted in accordance with Canadian Auditing Standard (CAS) 810, "Engagement to Report on Summary Financial Statements".

TROIS-RIVIÈRES PORT AUTHORITY
CONSOLIDATED SUMMARY STATEMENT OF EARNINGS AND OTHER COMPREHENSIVE
INCOME

For the year ended December 31, 2021

	<u>2021</u>	<u>2020</u>
	\$	\$
OPERATING REVENUE		
Harbour services	7,736,933	6,600,872
Rental revenue	3,781,703	3,393,886
	11,518,636	9,994,758
OPERATING EXPENSES		
Salaries and employee benefits	2,939,957	2,656,462
Repairs and maintenance	1,051,476	1,175,509
Professional fees	545,507	349,392
Payments in lieu of taxes and municipal taxes	227,638	196,908
Innovation and Environment projects – grants	136,439	313,260
Depreciation – property, plant and equipment	2,638,758	2,758,479
Depreciation – deferred grants	(650,309)	(657,972)
Other operating and administrative expenses	1,033,506	858,866
	7,922,972	7,650,904
OPERATING INCOME	3,595,664	2,343,854
Investment income	674,649	614,482
Interest expenses	(98,447)	(181,953)
Gross revenue charge	(287,606)	(227,571)
NET EARNINGS	3,884,260	2,548,812
OTHER COMPREHENSIVE INCOME (OCI)		
Items that will not be reclassified subsequently to net earnings:		
Actuarial gains (losses) on defined benefit plans	992,500	(344,500)
COMPREHENSIVE INCOME	4,876,760	2,204,312

TROIS-RIVIÈRES PORT AUTHORITY
CONSOLIDATED SUMMARY STATEMENT OF FINANCIAL POSITION
As at December 31, 2021

	<u>2021</u>	<u>2020</u>
	\$	\$
ASSETS		
CURRENT ASSETS		
Cash	1,624,719	878,624
Accounts receivable	1,930,652	2,280,388
Grant receivable	180,470	175,061
Prepaid expenses	96,797	83,134
Current portion of investments	7,771,475	10,821,319
	<u>11,604,113</u>	<u>14,238,526</u>
NON-CURRENT ASSETS		
Grant receivable	3,776,855	3,957,325
Long-term investments	22,309,393	16,960,385
Property, plant and equipment	77,900,575	77,832,096
Art collection	233,000	193,000
Defined pension plan benefit assets	800,200	-
	<u>105,020,023</u>	<u>98,942,806</u>
	<u>116,624,136</u>	<u>113,181,332</u>
LIABILITIES		
CURRENT LIABILITIES		
Trade and other payables	1,829,294	1,621,734
Deferred revenue	2,602	2,597
Current portion of lease liabilities	47,865	44,360
Debts to be refinanced over the next year	11,377,425	13,544,520
	<u>13,257,186</u>	<u>15,213,211</u>
NON-CURRENT LIABILITIES		
Long-term lease liabilities	122,335	172,907
Defined pension benefit liabilities	-	52,300
Deferred grants	24,511,795	23,886,854
	<u>37,891,316</u>	<u>39,325,272</u>
AUTHORITY'S EQUITY		
Contributed capital	27,048,441	27,048,441
Retained earnings	50,969,178	47,448,479
Reserves	1,050,301	686,740
Accumulated other comprehensive income	(335,100)	(1,327,600)
	<u>78,732,820</u>	<u>73,856,060</u>
	<u>116,624,136</u>	<u>113,181,332</u>

On behalf of the Board

_____, Chairman of the Board

_____, President and Chief Executive Officer

TROIS-RIVIÈRES PORT AUTHORITY
Note to the consolidated summary financial statements
December 31, 2021

1. APPLIED CRITERIA FOR PRESENTATION OF CONSOLIDATED SUMMARY FINANCIAL STATEMENTS

These consolidated summary financial statements are derived from the consolidated audited financial statements prepared in accordance with International Financial Reporting standards as at December 31, 2021, and for the year then ended.

The preparation of the consolidated summary financial statements required management to determine the information to be reflected in them so that they are consistent, in all material respects, with the consolidated audited financial statements or constitute, in their material aspects, a fair summary of these statements.

Management has prepared these consolidated summarized financial statements based on the following criteria:

- The consolidated summary financial statements include the consolidated summary statement of financial position and the consolidated summary statement of earnings and comprehensive income;
- The information included in the consolidated summary financial statements is consistent with the information in the consolidated audited financial statements;
- The related notes that detail the consolidated financial statements are not reproduced.

The consolidated audited financial statements of the Trois-Rivières Port Authority can be obtained upon request by contacting Authority management.

Trois-Rivières Port Authority

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