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PANEL PARTNERS:



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ASSOCIATION DE
L'INDUSTRIE ÉLECTRIQUE
DU QUÉBEC

IN COLLABORATION WITH:



FEBRUARY 15 AND 16, 2022

The digital transformation of the world's electric power grids

An essential milestone in energy transition

Welcome !

February 15th

8:40

Opening Interview

Pierre Fitzgibbon

Minister of Economy and Innovation

Minister Responsible for Regional Economic Development

Government of Quebec

9:00

Opening presentation

Digitization of Hydro-Québec's electric grids in the context of energy transition

Claudine Bouchard

Executive Vice President – TransÉnergie and Construction

President and Chief Executive Officer of Société d'énergie de la Baie James

9:20

Opening panel

Points of view of executive managers as they relate to the challenges of investing in electric infrastructures in the context of energy transition.

- Claudine Bouchard, Executive Vice president– TransÉnergie & Equipment, Hydro-Québec
- Faisal Kazi, President and Chief executive officer, Siemens Canada
- Marie-Claude Dumas, President and Chief Executive Officer, WSP
- Guy Vigeant, President, CGI-Canada
- Sylvie Pinsonnault, Senior Vice-President Strategies and Business Solutions, Investissement Québec

10:45

Panel 1



The technological roadmap for a successful transformation – A few cases and lessons learned

Emerging technologies, megatrends, current pilot projects

– A few cases and lessons learned Emerging technologies, megatrends, current pilot projects

Moderator : Pierre-Alain Graf, SVP Global Security Business, Hitachi Energy

- Jeff Bailey, Vice President, Consulting Services, US Industry Solutions, CGI

- John Chahwan, Director of Engineering – Power Delivery, SNC Lavalin

- Fred Wauquiez, Principal Digital Product Manager, General Electric

- Tara-lee MacArthur, Senior Substation Standards Engineer, Ergon Energy Network | Energex

12:45

Panel 2



Winning technology deployment strategies (business case) – How to quickly reap the benefits and reduce the impacts?

Moderator : Eric Labrie, Project manager – Smart Energy Grids, BBA

- Sylvain Clermont, Director Protection, Automation and Control Systems Convergence, Hydro Québec
- Daniella Piper, Regional Manager, Western New York & Chief Transformation Officer, New York Power Authority
- Shah Nawaz, Business Unit Head Digital Grid, Smart Infrastructure, Siemens Canada
- Mike Minard, Senior Innovation Specialist, NBPower

2:20

Panel 3 -



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Cybersecurity, an important issue in any critical infrastructure digitization process

Moderator : Chris Johnson, Director, Practice Lead - Technology & Innovation/ Engineering Services, SNC Lavalin

- Gaetan Houle, Executive Director, ICS Cyber Security Strategy and Governance, WSP
- Elisa Costante, Head of Research, SecurityMatters, BV
- Marthe Kassouf, Researcher at the Research Institute of Hydro-Quebec (IREQ)
- Subin Alexander, Director National Cyber Security Solutions Portfolio, CGI
- Neila Zerguini, Senior Manager - Cyber Security chez Deloitte Canada
- Matt Yourek, Director of Product Cyber Security & Compliance, Grid, GE Digital

3 :45

Discussion table between students and professional from the Electric Power Industry

Moderator : Jean-Nicolas Paquin, Director, Application eXpertise and Electric Simulation (AXES)

The digitization of electric Power Grids : Current research and future perspectives

5 : 20

End of the first day

February 16th

8 :25

Opening words

Denis Tremblay, chief executive Officer, AIEQ

8 :30

Opening remarks

Anaïssia Franca, Senior Consultant, Transportation and Infrastructure Advisory Services, WSP
Chair of the Board of Directors, InnovÉE Innovation énergie électrique

8:40

Panel 4 - Présenté par General Electric

Artificial intelligence (AI); views on the optimization of future grids.

Applications related to digital twins and other electric power software

Moderator : Pierre Feraud, North America Service General Manager and HVDC-FACTS & ALM Global COE Leader (GE Grid)

- Stephane Dellacherie, Grids control forecasts, Energy Movement Control Department, Hydro-Québec
- Richard Wunderlich, Executive Business Development Cyber Research, & Digital Grid, Smart Infrastructure, Siemens Canada
- Dr. Diane Gutiw, Vice President, Big Data Analytics - AI and Machine Learning, CGI Canada
- Jean Bélanger, Chief Executive Officer and Chief technology Officer, OPAL-RT TECHNOLOGIES
- Jett Winter, Principal Manager - Digital Sales Transformation



10 : 00

Panel 5

The human and organizational impacts of the digitization of

infrastructures decompartmentalization of technologies, new skills, training of the succession

Moderator : Line Duranleau, Practice Leader, HR Transformation Advisory (Quebec Region), Deloitte

- Sylvain Clermont, Director Protection, Automation and Control Systems Convergence, Hydro Québec
- Jean-Sébastien Lacroix, Discipline Leader, Electricity Management, BBA
- Line Duranleau, Practice Leader, HR Transformation Advisory (Quebec Region), Deloitte

Deloitte.

11:15

Panel 6 - Présenté par OSI

Electric mobility and Distributed Energy Resources

Moderator : Dan Lysaker, Director, Distribution Engineering at OSI

- Satvinder Flore, EVP, Energy, Resources & Industrial, WSP
- Theresa Cooke, VP Smart Infrastructure Sales, Siemens
- Rich Hampshire, Vice President Consulting Expert, CGI UK
- Marc-André Forget, president and Chief executive officer, dcbel
- Eric Sortomme, Senior Product Manager: Smart Grid & DERMS, OSI



12: 30

End of the event

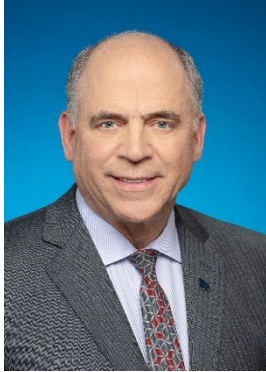
In order of appearance on screen



Denis Tremblay

**President and Chief executive Officer
AIEQ**

With more than 30 years of experience in the energy sector, the majority of which in management positions, Mr. Tremblay is a personality recognized in our industry for his qualities as a leader and a unifier. Through his long-standing involvement with the Quebec Electric Power Industry Association (AIEQ), he actively contributed to the strategic repositioning of the Association in line with the rapidly changing needs of companies in the energy sector. Mr. Tremblay has assumed the general management of the AIEQ since 2016.



Opening Interview

Pierre Fitzgibbon

Minister of Economy and Innovation

**Minister Responsible for Regional Economic
Development**

Government of Quebec

Pierre Fitzgibbon was born in Montréal. He holds a Bachelor's Degree in Business Management from École des Hautes Études Commerciales de Montréal (HEC) and is a Quebec Chartered Professional Accountant. Before becoming involved in politics, Mr. Fitzgibbon served as managing partner at Walter Capital Partners, a private Equity Firm, between 2015 and 2018. From 2007 to 2014, Mr. Fitzgibbon assumed the role of president and chief executive officer at Atrium Innovations, a company that develops, manufactures and markets valueadded products for the health and nutrition industry. From 2002 to 2007, he put his skills to work at National Bank Group, where he occupied the position of vice-chairman of National Bank Financial, where he mainly acted as head of investment banking and corporate finance services. He was also senior vice president of finance, technology and corporate affairs at National Bank of Canada. Previously, Mr. Fitzgibbon also held executive positions in finance, as well as in company and business development at Télésystème Mobiles International, Chase Capital Partners Hong Kong, Domtar and Peerless Carpet Corporation. He began his career at PricewaterhouseCoopers in auditing and consulting services. Over the last few years, Mr. Fitzgibbon has served on several boards of directors, including that of Caisse de dépôt et placement du Québec, WSP, Héroux-Devtek, TC Transcontinental, Cycle Capital Management, Neptune Technologies, Lumenpulse and Arianne Phosphate. This committed businessman is involved in his community and in several organizations, including until recently, the Fondation du Dr Julien.



Opening presentation

Claudine Bouchard

**Exécutive Vice President -
TransÉnergie and Construction
President and Chief Executive Officer of
Société d'énergie de la Baie James**

Claudine Bouchard was appointed Executive Vice President – TransÉnergie and Construction at Hydro-Québec in February 2021. In this capacity, she oversees the operation and development of Hydro-Québec's power transmission system, which ranks among the most extensive in North America, as well as the marketing of system capacity and the management of power flows across Québec. In addition, she is responsible for the design and execution of construction and refurbishment projects related to the company's generating and transmission facilities. She also serves as President and Chief Executive Officer of Société d'énergie de la Baie James (SEBJ).

A seasoned manager known for her human leadership, Ms. Bouchard has over 20 years' experience at Hydro-Québec, where she has held positions of increasing responsibility in wide-ranging fields including communications, community relations, operations and maintenance, occupational health and safety, environmental governance and expertise, the management of major cross-functional projects and crisis management. She was Vice President – Distribution System from 2017 to 2019, Vice President – Corporate Transformation from 2019 to 2020 and Chief Transformation Officer and Vice President – Strategic Procurement from 2020 to 2021.

Ms. Bouchard holds a Bachelor of Science from Université de Montréal and an MBA from Université du Québec à Montréal and Université du Québec à Chicoutimi, as well as a Master's Certificate in Marketing Communications Leadership from York University. She also completed a business negotiations program at Harvard. Certified by the Collège des administrateurs de sociétés, she sits on the boards of the Conseil du patronat du Québec (CPQ), the Canadian Electricity Association (CEA), the New York-based Northeast Power Coordinating Council (NPCC) and the Fédération des chambres de commerce du Québec (FCCQ). She also chairs the FCCQ's human resources committee and is a member of the urban forestry leaders committee set up by the Société de verdissement du Montréal métropolitain (Soverdi) to incite major private-sector players in the greater Montréal area to plant trees on their properties. Moreover, she serves as an ambassador in the Women's Leadership program of the Chambre de commerce et d'industrie Saguenay-Le Fjord and has led Hydro-Québec's Centraide Leadership campaign since 2018.

In October 2021, Ms. Bouchard received the prestigious Woman of WaterPower Award from Women in Renewable Energy (WiRE) and WaterPower Canada (WPC) in recognition of her contribution to the Canadian hydropower industry and the advancement of women in the renewable energy sector.

Opening Panel



Faisal Kazi

President and Chief executive officer
Siemens Canada

Faisal Kazi is the President and CEO of Siemens Canada and is responsible for leading the overall strategic management, direction and leadership of Siemens activities in Canada.

In addition to his role as President and CEO, Mr. Kazi is responsible for the leadership of the Smart Infrastructure business and serves as a board member of multiple Siemens affiliates in Canada.



Marie-Claude Dumas

President and Chief Executive Officer
WSP in Canada

Marie-Claude Dumas is WSP in Canada's President and Chief Executive Officer. She is also WSP's Global Sponsor, Inclusion and Diversity. She joined WSP in January 2020 as Global Director, Major Projects & Programs/Executive Market Leader – Quebec, working closely with our Global and Canadian operations and leadership teams. A member of the Ordre des ingénieurs du Québec, Ms. Dumas brings a proven track record as a global engineering and construction executive with over 20 years of multi-disciplinary management and consulting experience acquired with several multinationals.



Guy Vigeant

**President
CGI-Canada**

In October 2019, Guy Vigeant was appointed President of CGI's Canada operations, leading a team of 11,000 consultants across 19 metro markets. Guy and his team bring CGI's end-to-end capabilities—including strategic IT and business consulting, systems integration, managed IT and business process services, and intellectual property—to clients across industries through a local proximity model complemented by global delivery capabilities. Prior to this appointment, Guy was responsible for CGI's Mergers and Acquisitions worldwide. During his three-year tenure in this role, CGI closed 12 strategic mergers that offer clients expanded scale and expertise, and incoming consultants new career opportunities.

Prior to October 2016, Guy served as Business Unit Leader of CGI's Greater Montreal (GM) operations for more than four years. The business unit is composed of nearly 3,000 consultants, providing services for local, national and international clients. Under his leadership, GM booked more than \$2 billion in contracts over four years and achieved a 200% book-to-bill ratio in FY2016. During this time, numerous prestigious clients signed and renewed contracts across various industries, and the GM team improved client satisfaction to a record high.

During his four years as Business Unit Leader, Guy and his team also oversaw the opening of a new Center of Excellence in Shawinigan to complement GM's other centers located in Montréal, Saguenay and Sherbrooke. These centers, which continue to expand to other locations, enable GM to deliver nearshore and offshore services to many clients across North America and Europe. In addition, Guy and his team continuously improved operational excellence by enhancing project and contract management processes. Before his appointment as GM Business Unit Leader, Guy was responsible for managing GM's financial sector (2011-2012), commercial sector (2007-2011) and public sector (2004-2007) business. He started his career at CGI as a consultant and has 28 years of experience with the firm. Guy graduated in 1986 from Polytechnique Montréal as an electrical engineer.



Sylvie Pinonnault

Senior Vice-President
Strategies and Business Solutions
Investissement Québec

Sylvie Pinonnault held the positions of Vice-President, Venture Capital, Investment Funds and Tax Measures and Vice-President, Strategic Initiatives and Management Committee Advisory Services before being appointed Senior Vice-President, Strategies and Business Solutions in August 2019. She is responsible for formulating the Corporation's strategic plan and its action plans and strategic initiatives. She also has the responsibility of implementing the client experience and an integrated approach to the development of business solutions. In addition, she directs public relations, government relations, external communication, marketing and oversight activities. She is a member of the Management Committee and the Investment Committee. She also co-leads the transition committee tasked with restructuring Investissement Québec.

From 2011 to 2015, Ms. Pinonnault served as Vice-President, Investment Funds, Business Immigration and Mandates at Investissement Québec. Before then, she had held the post of Vice-President, Investissement Québec Subsidiaries since March 2010, following a three-year stint as Director, Corporate Initiatives, Policies and Products in the Credit and Risk Management Division.

With an MBA in International Business and Export Management from the City University Business School in London, England, Ms. Pinonnault was named CEO of FIER Partners LP when the \$180-million investment fund was created in 2005.

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En tant que leader d'opinion, nous nous engageons à accompagner nos clients dans la transition énergétique grâce à des idées concrètes et des solutions éprouvées tout au long de la chaîne de valeur.

Dans notre [série Balado – Parlons transition énergétique](#), les experts de CGI explorent les principaux défis liés à l'évolution de la chaîne de valeur énergétique et les occasions d'affaires qui en découlent. Dans notre premier épisode, **Kristy Ortiz** et **Steve Ridley** abordent l'incidence de la modernisation du réseau sur le système de distribution de l'énergie – des changements stratégiques à l'évolution des marchés, en passant par les progrès technologiques.

Si vous souhaitez continuer la conversation avec nos experts ou si vous avez des questions, veuillez contacter [Artur Leszczynski](#) ou visiter notre [page CGI relative aux services publics](#).

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Is your business ready to expand? Want to open a Québec subsidiary? Investissement Québec is here for you! Our role is to help you make the most of everything Québec has to offer while guiding you through every phase of the set-up process. And we don't stop there: once you open your doors we keep working to help you and your Québec subsidiary flourish!

[Website](#)

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SIEMENS

About Siemens Canada

Siemens Canada is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose, adding real value for customers since 1912. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power. As of **September 30, 2021**, the company has approximately 2,500 employees from coast-to-coast and 24 office and production facilities across Canada. Further information is available at www.siemens.ca.

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As one of the world's leading professional services firms, WSP provides engineering and design services to clients in the Transportation & Infrastructure, Property & Buildings, Earth & Environment, Power & Energy, Resources, and Industry sectors, as well as offering strategic advisory services. WSP's global experts include engineers, advisors, technicians, scientists, architects, planners, environmental specialists, and surveyors, in addition to other design, program and construction management professionals. Our talented people are well positioned to deliver successful and sustainable projects, wherever clients need us.

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Save the date !

May 3-4



3-4 mai 2022

COLLOQUE ANNUEL DE L'AIEQ 2022

aieq
ASSOCIATION DE
L'INDUSTRIE ÉLECTRIQUE
DU QUÉBEC

> **La chaîne d'approvisionnement de l'industrie électrique
du Québec à l'heure de la transition énergétique mondiale**
Maximisation des retombées économiques et développement des exportations

March 16 th

Prix Jean-Jacques Archambault
awarded to Mr Richard Drouin (virtual event)



June 2

AIEQ Annual General Meeting

Thanks to our valued annual partners

CGI



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