

bird

Data Centres





Terrance L. McKibbon
President and
Chief Executive Officer

“Bird is committed to providing an exceptional construction experience that prioritizes safety and sustainable construction best-practices. Our collaborative, in-house solutions can self-perform up to 90% of data centre construction, resulting in best-in-class safety, quality, scheduling, efficiencies, and environmental solutions.”

WE ARE BIRD CONSTRUCTION

For over 100 years, Bird has expanded across the country, building deep Canadian roots. With offices from coast-to-coast and a workforce of more than 5,000 people, Bird operates in a diverse cross-section of market sectors with the knowledge, capabilities, and experience to support commercial, institutional, and residential projects, and to serve a broad range of industrial and infrastructure clients.

Bird’s approach to sustainability reflects our commitment to the core company values to put safety first, create opportunity, do great work together, and lead with honesty. We strive to optimize our positive social and environmental impact, utilizing a strong corporate governance framework that ensures accountability and stewardship across all our operations.



BUILD GREEN



WORK GREEN



LIVE GREEN



COMMITMENT
TO
GOVERNANCE

Data Centre Design Support

Build to Uptime Institute Standards, Tier I, II, III, IV

Our team of specialists take great pride in supporting your Data Centre, and can help you design according to Uptime Tier 1-4 levels, N to 2N Designs, Edge Computing, Modular and full building designs. We follow the North American Standards, TIA-942, ANSI/NETA, EN 50600 series, ASHRAE, etc. and can implement a DCIM solution to help during operations and maintenance.



Jeremy Hodgson
Technical Specialist,
Data Centres

26 Data Centres Completed



Security: Our team can design intrusion, access control, biometrics, CCTV, perimeter security measures to meet your requirements.



Uptime: We can achieve the highest availability of uptime by ensuring quality design, construction, and commissioning.



Power: From power generation, to substations, to HV & MV feeds at NETA standards our team can optimize your PUE.



BIM/VDC: Our use of CDE and 4D scheduling with a digital twin output will improve quality, cost, schedule, and O&M.



Green Energy: Our team has extensive experience with design and construction of green energy solutions.



Modular: From modular data centre components to full modular buildings, Bird has solutions to expedite schedule.



Sustainability: Our sustainability solutions like thermal energy transfer can help improve your CUE.



Operations & Maintenance: Our Centre for Building Performance can monitor all building systems streamlining your O&M requirements.



Water: Liquid, back of rack, in-row, direct evaporative, and trim cooling solutions will help improve your WUE.



Quality: Our design-build solutions will ensure that quality is brought through all phases from design to commissioning.

Bird Construction offers full turn-key data centre solutions

Bird can perform up to 90% of a data centre scope in-house providing you with a fully synchronized team dedicated to delivering your project on schedule and on budget.

- Power Generation
- Thermal Energy Transfer Systems
- High and Medium Voltage Powerlines
- Telecommunication Lines
- Substations
- Earth Works
- Underground Utilities
- Concrete Formwork
- Mechanical
- HVAC/R
- Electrical
- Data Services
- Security Systems
- Technical Commissioning
- White Space Fit up
- Operations and Maintenance



Battery Storage



Substation



Lee Watson
Director, Industrial Services



Solar



Wind



Mehdi Ebrahimipour
Director of Renewables



Nuclear



Thermal Energy Transfer



Jean Sylvester
Technical Director,
Nuclear & Future Energy



Hydrogen



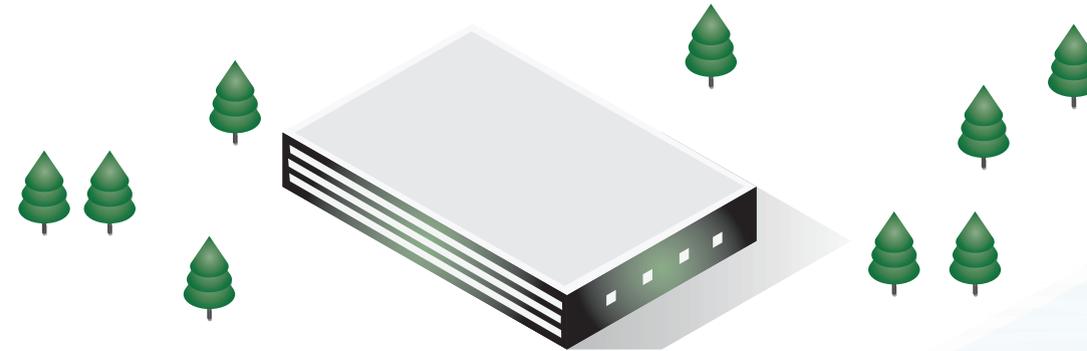
Hydro



Brent Tyers
Director of Business
Development, Industrial



Power



Data Centres

Bird's dedicated resources to each specialty will be an extension of your team working toward a common goal, helping you achieve your unique targets.



Design



Jeremy Hodgson
Technical Specialist,
Data Centres



Mechanical



Jamal Seede
Director, Major Pursuits



Electrical



Security



Marc Remillard
Director, National
Technology Group



Data



Environment



Ben van Vree
Director, Business Development,
Major Environmental



Civil



Adham Kaddoura
SVP, Civil Infrastructure



Concrete



Graham Loaring
Director, Special Projects



White Space



Commissioning



Sebastien Brisson
Operations Manager,
Industrial Services



O&M

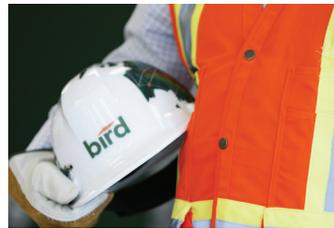


Krista Wright
Director, Centre for Building
Performance

Buildings Division

Our OneBird approach to data centres allows us to combine expertise from across a wide range of divisions under our mission critical umbrella to provide a comprehensive range of services to our clients.

By leveraging the resources and experience within our buildings division we are able to deliver projects at both the speed and quality that the sector and our clients require and are well versed in identifying and overcoming challenges to meet hard deadlines while maintaining safety above all else.



Our experience and drive to prioritize schedule has allowed us to integrate white space and fibre scopes into our base build schedules in order to identify significant time savings to the overall project schedule.



Since 1960, Canem Systems (a wholly-owned subsidiary of Bird) has been operating and serving its clients in diverse public and private market sectors. With offices across Canada and a team of over 900 employees, we have the skills and expertise necessary to design and build a data centre that meets your organization's unique needs. We use the latest technology and best practices to ensure that your data centre is energy-efficient, reliable, and secure. Canem offers a comprehensive suite of services across a full range of complementary disciplines.



Consulting Services



Design & Planning



Pre-Construction Services



Electrical Contracting



Mechanical Contracting



Data & Communications



Security & Technology



Service & Maintenance

canem.com

DATA CENTRE EXPERIENCE



The above photo is not an actual representation

Confidential Data Centre

This data centre is currently under construction and will consist of a 2-storey, 151,470 sq. ft. data centre with an associated office space. The building will have poured in place concrete grade beam foundations and a precast structure/envelope and will deliver 24 MW of capacity.

Toronto, ON | 151,470 sq. ft.



Rogers Data Centre II

A fit-out of an existing warehouse space converted to a data centre. Scope of work included electrical, communications, and security upgrades and additions.

Edmonton, AB | 24,000 sq. ft.



Rogers Data Centre

A fit-out of an existing warehouse space converted to a data centre. Scope of work included electrical, communications, and security upgrades and additions.

Airdrie, AB | 35,000 sq. ft.



Shaw Campus Data Centre

Scope included technology disciplines and provided detailed breakdown of budget costs while delivering the project on schedule in 2015.

Calgary, AB | 300,000 sq. ft.



Confidential Data Centre

Project scope included supply, installation and commissioning of all data centre and related electrical equipment using the LEED rating system.

Edmonton, AB | 66,521 sq. ft.



**SERVING YOU
FROM COAST
TO COAST**



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Director, Client Development

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bird

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