

Black&McDonald

SMART CITY SOLUTIONS

Network Solutions



Building a smarter urban environment is not just about leveraging technology to expedite processes, optimize infrastructure and achieve greater efficiency. It's about embracing innovation to create a more resilient, sustainable and inclusive future for the next generation.

Our goal in integrating smart city technologies is to respond more effectively and dynamically to the needs and desires of users while minimizing resource consumption and environmental impacts. We believe in the power of smart technologies to improve the quality of life for communities and people across North America.



OUR APPROACH

Our integrated team approach is about bringing together the right people, processes and data to provide turnkey smart city solutions. We believe in sitting down at the table with our client on day one to develop a shared vision and working cooperatively throughout the process to deliver each project safely, to specification, on time and on budget.

Our experience in a truly integrated project delivery model—design/build/operate/maintain—gives us the edge in understanding the interactions between citizen, built environment, and urban environment. We've seen first hand how smart city and smart building technologies and strategies reduce overall environmental impacts from cradle to grave.



Self-performance

Our integrated multi-disciplinary team has the expertise and capacity to respond to any volume, scope or complexity of work, from design build through to maintenance and management. Our operational team has extensive experience executing smart projects in diverse sectors, including municipal, commercial, industrial and critical environments.

Local Presence across North America

With teams on the ground across Canada and the United States, we provide an agile, local solution.



System Integration

Leveraging our expertise in construction, utility, and infrastructure projects, we enable systems and technologies to communicate with one another and bring smart environments to life.

Innovation

We get excited about new technologies and continuously integrate new approaches into our repertoire of ideas.



Cost Certainty

With nearly 100 years of lessons learned, we provide accurate scheduling and costing procedures and deliver our projects on time and on budget.

Education and Advocacy

We understand the importance of end-user adoption, and we are passionate about designing and implementing programs to support user buy in.



OUR SERVICES

Network Solutions

Smart cities come to life through the fast and reliable connection of link sensors and actuator networks to a unified platform. These networks provide city operators with immediate and constant feedback, enabling well informed decisions and the timely delivery of services to citizens.

Small Cell Networks

Small cell networks are critical to delivering connectivity to users and technologies in densely populated urban spaces and will play a key role in facilitating the forthcoming 5G revolution. As an established partner in the wireless telecommunications industry, we provide tailored, turnkey solutions that include site acquisition, design, regulatory approvals, procurement, manufacturing, construction, commissioning, and support.



OUR SERVICES

Network Solutions

Fibre

If connectivity is the lifeblood of a smart city, fibre is the backbone, supporting fast and reliable data transmission between major nodes. Our vast experience and proven track record installing fibre optic networks provides our clients with the assurance that the project will be done right, on time, and on budget.

