



# Integrated Services in Landscape Architecture



[arteliagroup.ca](http://arteliagroup.ca)

Designing solutions  
for a positive life





**To be a recognized leader in the development of innovative solutions and integrated services, from ideation through design and project delivery.**



Landscape architecture  
Réseau vert, Montreal

## Multidisciplinary, passionate and independent engineering

At Artelia, we believe that every project is a unique opportunity to design solutions for a positive life. From the design of responsible projects to the implementation of cutting-edge technological solutions, our approach is based on the conviction that every challenge can be overcome through ingenuity and individual and collective commitment.

### Multidisciplinary and innovative

In Canada, Artelia operates in seven major fields: Mobility, Buildings, Energy, Environment and Earth Sciences, Water, Industry and Telecoms and Operational Technologies. Our 1,200 experts, spread across 16 offices across the country, are committed every day to meeting complex challenges ranging from energy transition and water resource management to infrastructure modernization and industrial decarbonization.

### Synergy and collective strength

As part of the Artelia Group, which has more than 100 years of history, more than 10,000 employees and a presence in 40 countries, we combine our local expertise with the strength of a global network to offer comprehensive solutions tailored to our clients' most complex demands. We are an engineering group, 100% owned by our managers and employees, and united by a common passion, exercising a profession that combines the art of designing with ingenuity and building with commitment.

### Excellence and proximity

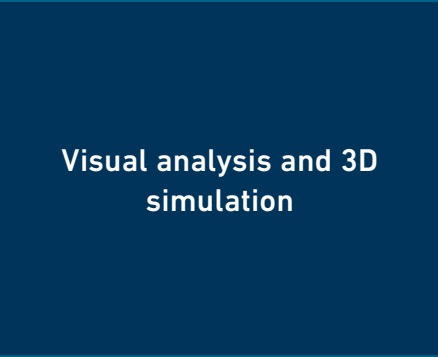
Driven by our values of technical excellence, proximity to clients and entrepreneurial spirit, we are more than ever determined to be a company that is useful to the world and to people, and that contributes to have a positive impact on the environment and society.

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Comprehensive landscape architecture services



Visual analysis and 3D simulation



Urban and landscape integration studies for major infrastructure projects



Urban design, parks and public spaces



Bank stabilisation, natural environment and holiday resorts



Master plan and blueprint



Volumetric architectural development



Multidisciplinary audit and quality control



Independent certifier



# Our integrated services in Landscape Architecture

Always seeking creative, technical and realistic solutions, our working method focuses first and foremost on gaining a detailed understanding of the mandate, the issues and constraints associated with the site, and the client's needs and expectations. Our integrated design process promotes a holistic approach by ensuring that all stakeholders, systems and business practices are considered as a whole, collaboratively integrating everyone's talents and ideas. We seek to create sustainable solutions on a human scale for a unique experience. Creating today for tomorrow's generations.

## Contributing to sustainable development

Thanks to our experts' in-depth knowledge, innovation and sustainable development are always at the forefront of every project. Our goal is to diversify and optimise natural resources while minimising environmental impact, with a focus on safety and community well-being.

### Our commitment

The responsible use of our natural resources is certainly a universal concern in today's world. As professionals, consultants and trainers committed to the environmentally conscious scientific community, we endorse this principle and strive to apply it rigorously.

Our teams responsible for research and development, laboratory and field testing and analysis, engineering and project management resolutely support our commitment to sustainable development.



Landscape architecture  
Pierre-Dansereau Park, Outremont



The foundations of our collective dynamic



Being an agile, innovative and creative collaborator

Artelia recognizes that the strength of teamwork can elevate the quality of a project to the highest level. Whether our partners are internal or external, our experts know how to leverage their talent and expertise to meet the specific and complex needs of our clients. Furthermore, the firm benefits from a wealth of unique talent among its employees, demonstrating a strong drive for innovation and a continuous commitment to developing solutions through a holistic and iterative approach. We bring together our skills and talents with those of top professionals, working collaboratively and through an integrated approach on a wide range of mandates, fostering creative synergy and building proactive teams capable of anticipating a project's challenges, issues, and opportunities. We believe that by developing solutions together, it is possible to achieve more with less.



Landscape architecture  
Beauharnois Canal, Valleyfield



Providing informed support and solutions

We are committed to providing unparalleled support that will prove essential at every level in guiding choices:

- We listen to our clients, project teams (in PCI or CCP mode), other professionals and various partners in order to bring their dreams and ambitions to life.
- The collaboration we will establish, combining efficiency and creativity, will be an asset in supporting you through the value analysis process and 'de-risking' your pro forma towards optimal materiality. We will develop an authentic relationship with the client based on transparency, loyalty, communication, integrity and professionalism.
- In order to meet the objectives of the mandates and the requirements of our clients, our experts will ensure that all deliverables comply with the work programme and applicable best practices.

Highlighting the unique talent and expertise of our experts

We understand that to increase the success of our projects, responding to a need through market or demographic research is not enough. We must go further and develop ideas and solutions based on their analyses, be visionary, forward-thinking and, above all, develop a need. This challenge particularly appeals to our creativity and gives us a unique opportunity to draw on the multidisciplinary and unique expertise of our team of experts.



Landscape architecture  
Stèles Jacques Cartier bridge, Montréal

Here is the list of disciplines called upon to collaborate on several mandates, either by discipline or in a multidisciplinary manner (integrated BIM approach).

Environment and Development (site)

- Urban planning and urban development
- Landscape architecture
- Civil engineering
- Traffic & transport

Building Engineering

- Structure
- Mechanical Electrical Plumbing Ventilation
- Energy efficiency

Other services offered

- Environment
- Geotechnical
- Surveying
- Quality control
- Laboratory

Summary of our range of services

Landscape Architecture Services

- Impact and feasibility studies Animation, installation, temporary landscaping, scenography, biophilia
- Residential landscaping for multi-unit housing
- Institutional and symbolic landscape architecture
- Commercial and tourist landscape architecture
- Multi-user circulation, routes and thematic sequences
- Park and green space design and management
- Urban design, parks, public spaces and gathering places
- Development of neighbourhoods, micro-habitats, green alleys
- Riverside spaces and bank stabilisation in natural environments
- Stormwater management, continuous trenches and landscaping strategy
- Enhancement and conservation of biodiversity and landscapes
- Landscape, landscape intervention, visual analysis
- Land-use planning
- Heritage protection and enhancement
- Greening

Integrated approach and related specialised services

- Master plans and urban development plans, blueprints and thematic hubs
- Integrated multidisciplinary environmental analysis
- Bank stabilization, preservation and revitalization of natural environments
- Design of eco-friendly parking facilities City of Montreal
- Development of functional and technical programmes

Development and integration services

- Application of SEDD criteria: Health, Environment, Sustainable Development
- Introduction of recent studies and best practices in carbon neutrality
- Planning and Environment Department
- Integration of biophilia and healthy environments into our practice and offices
- Integration of cloud technologies in 3D modeling and virtual animation
- Sustainable development: LEED, LEED ND, Well
- Implementation of Revit 2D Drawing, 3D Modeling, and 6D Performance

Landscape architecture stages and deliverables

Basic services

- Surveys and 2D drafting
- 3D modeling and simulation
- Site analysis
- Studies and analyses
- Survey and production of existing documentation
- Concept and ideation
- Preliminary file
- Documentation for CCU
- Permit application (plans, specifications, and planting schedule)
- Final file (plans and specifications)
- Issuance for bidding
- Issuance for construction
- Bidding documents
- Services during construction

Additional services

- Impact and feasibility studies
- Potential studies, analysis of potential and constraints
- Due diligence, value analysis, criteria grid, and risk management
- Master plan and blueprint
- Various studies in urban, natural, and resort environments

Integrated services in collaborative mode

- Clarify the definition and understanding of the mandate
- Define the needs and expectations of the client and users
- Collaboratively develop the Functional and Technical Program (PFT)
- Produce complete plans and specifications
- Coordinate project development and deliverables production in a multidisciplinary manner
- Establish and schedule the logic of actions and deliverables
- Monitor budgets and construction costs with other professionals and the client...

...and above all

- Proactively and flexibly establish clear, efficient, and collaborative communication
- The right information, at the right time, to the right people
- "Alone, we go faster... together, we go further!"



Skills and  
experience of  
the technical  
resources  
offered

### Landscape architecture

Signage  
architecture  
Street furniture  
Lighting

### Engineering

building  
engineering  
biology  
environment  
eco-engineering  
geotechnics  
green infrastructure

### Environment

coastal  
nature  
biodiversity  
greening  
bank stabilisation

### Civic life + Social

events and activities  
public consultations  
neighbourhood life  
interactivity

### Art + culture + history

heritage/restaurants  
memory of the place  
outdoor museology  
exhibitions and artefacts  
enhancement

# Overview of our achievements



Engineering  
and development



Landscape  
architecture



# Our projects in Landscape Architecture

Artelia has carried out numerous landscape architecture projects, ranging from conceptualization, design, and development of plans and specifications to construction and commissioning. Our landscape architecture and building projects are carried out thanks to the in-depth knowledge of our experts, with a focus on innovation and sustainable development.

The list of projects presented below illustrates the relevance of the experience our firm has acquired over the years in landscape architecture and multidisciplinary projects with an integrated BIM approach.

1	2022-2024	Environmental assessment – New Coteau-du-Lac substation (Hydro-Québec) – Coteau-du-Lac, Quebec
2	2022-2023	Plans and specifications for the expansion and creation of an inclusive playground at Eugène Dostie Park – Île-Bizard-Sainte-Genève Borough
3	2021-en chantier	Stabilisation of the banks of Jacques-Cartier Beach Park – Phase 2 – Cap Rouge, Quebec
4	2021-2023	Stabilisation of the banks of Jacques-Cartier Beach Park – Phase 1 – Cap Rouge, Quebec
5	2021-2022	Redevelopment of the playground at Goulet Park – Saint-Laurent Borough – Montreal
6	2021-2022	Design project for information steles and material reuse (PJCCI) - Montreal
7	2021-2022	Installation of new synthetic turf for the soccer field at Eugène Dostie Park - L'Île-Bizard-Sainte-Genève Borough
8	2020-2026	<b>Landscape and Engineering</b> - SRB Pie-IX Integrated Project; Notre-Dame section (from Pierre-de-Coubertin to Notre-Dame East) – Montreal. <b>Multidisciplinary project involving civil engineering, transport, surveying and the environment</b>
9	2019-2022	Repair of infrastructure on Duvernay Street - City of Beloeil
10	2019-2021	Redevelopment of Granby's downtown area – Rue Principale, between Rue Brébeuf and Rue Mountain
11	2017-2019	<b>Landscape and Engineering - University of Montreal's Outremont Campus neighbourhood, Montreal. Railway bridge.</b> <i>The MIL neighbourhood's sponge parks, including Pierre-Dansereau Park, are recipients of an international development award, the UNAM Development Trophy, with the distinction of the 2024 Sustainable Development Trophy.</i>
12	2017	<b>Landscape and Engineering</b> - Detailed preliminary design for Pierre-Dansereau Park, Redevelopment of the Green Network - Cycle path - Rosemont-La Petite-Patrie Borough, Montreal. <i>The Pierre-Dansereau Park project was selected in 2020 by the Relève en urbanisme (RU) of the Ordre des Urbanistes du Québec as the project that stood out the most in pushing boundaries to address local issues with efficiency, boldness and usefulness</i>
13	2015-2022	<b>Landscape, Engineering and Architecture</b> - Stadium and baseball field – City of Saint-Jérôme. Multidisciplinary project in collaboration with Simard Architecture
14	2008 – 2019	Redevelopment of the Orée des Cantons de Waterloo primary school playground





# Our achievements in Landscape architecture

Artelia has carried out numerous landscape architecture projects, ranging from ideation, design, and development of plans and specifications to the execution of works and commissioning. Our landscape architecture and building projects are carried out thanks to the in-depth knowledge of our experts, with a focus on innovation and sustainable development.

The list of projects presented below illustrates the relevance of the experience our firm has acquired over the years in landscape architecture and multidisciplinary projects with an integrated BIM approach.

1	2021-2024	Stabilisation of the banks of Jacques-Cartier Beach Park, Phases 1 and 2, Quebec City: Protection of banks against erosion over 1.2 km
2	2025	Dorval Multihousing for People 55 and Over (OMHM) – Residences for independent people aged 55 and over
3	2024-2027	Multihabitation 55+ Vaudreuil (COREV) – Residences for independent seniors aged 55 and over. (170 units on 11 floors)
4	2023-2024	Le Boutillier neighbourhood park – City of Laval: From concept to reality – concept and performance specifications in CC Conception Construction
5	2025-2028	Multihabitation 55+ St-Hyacinthe (COREV) – Residences for independent individuals aged 55 and over. (172 units on 8 floors)
6	2023-2024	Capitaine Molly-Kool Park – City of Laval: From concept to reality – concept and performance specifications in CC Design Construction
7	2024	PRI multi-unit housing on Larochelle Street, City of Sorel-Tracy, (16) buildings with (18) to (24) units on (2) and (3) floors totalling 352 units
8	2020-2026	Pie-IX BRT: City of Montreal and STM: Bus shelters and Pie-IX BRT service
9	2024-2025	Restoration of the Roslyn Staircase - City of Westmount: Renovation of a heritage staircase with bicycle ramp for bicycles City of Westmount
10	2024	Noise barrier along the A-30 and R-132: Preparation of preliminary designs and plans and specifications for construction City of Châteauguay
11	2023-2025	Organic waste treatment complex - RIVMO: Construction of a cycle path and an interpretive lookout in Salaberry-de-Valleyfield
12	2019-2024	Petit Quartier Affordable mini-houses - Small houses, large shared common areas Le petit Quartier housing cooperative





# Our relevant achievements in multidisciplinary mode

Artelia has carried out numerous projects ranging from design and development of plans and specifications to construction and commissioning. Our firm draws on the interdisciplinary nature of its teams to maintain its position as a leader in engineering, construction, development and the environment in Canada and internationally. All the projects in our portfolio have been designed and developed using a multidisciplinary, integrative approach that takes into account the surrounding environment and the people who live there.

The list of projects presented below illustrates the relevance of the experience our firm has acquired over the years.

1	2016 - 2021	<b>Civil and Structural Engineering</b> - Exterior landscaping, stormwater management and greywater recovery – Humaniti (collaboration: Lemay and ELEMA)
2	2017 - 2019	<b>Landscaping and Civil Engineering</b> - Landscaping and water retention system design - Pierre-Dansereau Park (P2) / City of Montreal and University of Montreal - Outremont Campus
3	2012 - 2015	<b>Bridges and civil engineering structures</b> - Design and construction of the new Canadian Pacific Railway bridge and underground infrastructure, including the permanent roadway for the central axis between Durocher and Outremont avenues - University of Montreal - Outremont Campus (collaboration: Civiliti)
4	2008 - 2019	<b>Traffic, Civil Engineering and Development</b> - Traffic master plan and travel management for the implementation of the Centre hospitalier de l'Université de Montréal (CHUM) located in downtown Montreal. Exterior development and stormwater management - PPP project (collaboration: NIPPAYSAGE)
5	2008 - 2019	<b>Traffic and Development</b> - Impact studies, travel management plan, and development plans for Griffintown (collaboration: Civiliti)
6	2004 - 2009	<b>Structure and Civil Engineering</b> - Université de Sherbrooke - Longueuil Campus
7	2007 - 2009	<b>Environment</b> - Environmental impact study of the Eastern Railway project (collaboration: Dessau)
8	2007 - 2008	<b>Environment</b> - Griffintown Village Development Project – Peel Basin
9	2010 - 2013	<b>Rainwater management and landscaping</b> - Landscaping of a bioretention basin (formerly Les Bassins du Nouveau Havre) and the Gravier basin park in Griffintown (collaboration: Civiliti)
10	2006 - 2008	<b>Environment</b> - Collaborative planning for Pierrefonds-Roxboro West, conservation area and urban development
11	2005 - 2006	<b>Urban planning</b> - Development of a main campus for Bishop's University and the Lennoxville borough - Vision and guiding principles for development
12	2002 - 2009	<b>Urban Planning, Landscape Architecture and Civil Engineering</b> - <i>Development and Master Plan – Sherbrooke University Hospital Centre (CHUS) Health Industrial Park</i>
13	2004 - 2012	<b>Civil Engineering, Transportation, Lighting, Environment and Fountains</b> - Montreal's Quartier des Spectacles - (collaboration: Daoust Lestage, in consortium with WSP)
14	2000 - 2002	<b>Structure and Civil Engineering</b> - Head Office of the Caisse de dépôt et placement du Québec (Ville-Marie Expressway Covering) (collaboration: Gauthier, Daoust Lestage / Provencher Roy / FABG / Lemay / BTLA)
15	1992 - 2009	<b>Environment and civil engineering</b> - Design and implementation of a residential development with a retention lake on the former Canadair airport grounds - Bois-Franc (collaboration: DAA)







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