

# FOCUS On



A BETTER ENVIRONMENT FOR BUSINESS

[www.blumetric.ca](http://www.blumetric.ca)



## Water Power and Hydraulic Structures

BluMetric® is dedicated to the provision of engineering and project management services to the waterpower and hydraulic structures industry. At BluMetric we have the breadth of capabilities needed to offer you all of the disciplines required for the design, construction, commissioning and operation of your hydroelectric generating station and hydraulic structures and our approvals group guides you through each step of the environmental assessment and regulatory approval process.

Our clients are waterpower developers and generating station operators, municipalities and conservation authorities, government agencies at all levels, dam owners and others interested in renewable energy or hydraulic structures.

### OUR SERVICES INCLUDE

#### Project Conceptualisation

- Hydrology analysis and modelling
- Site assessment
- Energy estimation
- Preliminary cost estimation
- Financial modelling
- Prefeasibility reports

#### Project Execution

- EPCM or design-build services
- Construction management
- Commissioning verification

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### OFFICE LOCATIONS:

Ottawa • Kingston • Sudbury • Gatineau • Toronto • Yellowknife • Kitchener • Montreal • San Salvador

### Environmental Assessment & Regulatory Approvals

- Federal & provincial assessment processes
- Ecological, built heritage & archaeological investigations
- Public & aboriginal stakeholder consultation
- Federal & provincial approvals & permits

### Detailed Project Planning

- Surveying & digital mapping
- Geotechnical investigation
- Feasibility studies
- Equipment assessment & selection
- Civil, structural & electrical engineering
- Detailed cost estimation
- Specification & tender documents

### Related Areas

- Operations planning and training
- Worker / public health & safety
- Water management planning
- Dam stability & safety analysis
- Upgrades & redevelopment services
- Facility condition assessment & appraisals
- Peer review



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