



## CURRICULUM VITAE

### LOUIS FORTIN, P.ENG., MPM

Louis Fortin serves as a senior Building Envelope Consultant. He also holds a Master's Degree in Project Management. Louis has worked for nearly 30 years in the field of curtain walls and windows as a manufacturer/installer and as a consultant.

He is Project Director for the Construction and Commissioning Services department at CLEB, a private firm offering specialized consulting services in the field of building sciences, with projects throughout eastern Canada and the northeastern United States, with offices in Montreal, Quebec City, Ottawa, Truro and New York.

His main areas of expertise include consulting and commissioning as well as the investigations of performance problems related to curtain walls, windows and glazing.

## EDUCATION

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Project Management Master (PGM) (2002)

Université du Québec à Trois-Rivières (UQTR), Trois-Rivières, Quebec

Bachelor's Degree in Mechanical Engineering (1993)

Université Laval, Quebec, Quebec

## PROFESSIONAL AFFILIATIONS

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Quebec Order of Engineers (OIQ)

Construction Specifications Canada (CSC)

Quebec Building Envelope Council (QBEC)

Quebec Glazing and Fenestration Association (AVFQ)

## EXPERIENCE

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2013 - PRESENT      CLEB BUILDING SCIENCE

Project Director, Construction and Commissioning Services

- Project director – windows and curtain-walls;
- Project Commissioning;
- Curtain wall educator and lecturer;
- Business development;
- Technical investigations;
- Specialties : curtain walls, glazing and thermal analysis, U-values and condensation resistance.

2016



- 2011 - 2012      GAMMA WALLS AND WINDOWS INTERNATIONAL INC.  
(GLOBAL FAR EAST DIVISION)
- Vice-President, Engineering and Manufacturing;
  - Supervision of all Canadian operations for Gamma Walls and Windows International Inc.;
  - Gamma USA Inc. activities coordination;
  - Business development.
- 2008 - 2011      GAMMA WALLS AND WINDOWS INTERNATIONAL INC.
- President and CEO;
  - Supervision of all Canadian operations for Gamma Walls and Windows International Inc.;
  - Gamma USA Inc. activities coordination.
- 2004 - 2008      PATENAUDE-TREMPE INC.
- As associate his work was mainly related to building envelope science services, including:
- Fenestration design review;
  - Glass calculation;
  - Thermal simulations;
  - On-site technical investigations;
  - Technical coordination.
- 2003      SOCIÉTÉ IMMOBILIÈRE DU QUÉBEC (SIQ)
- Construction and renovation projects management:
- Project planning;
  - Studies management;
  - Budget planning;
  - Recruiting professionals;
  - Granting of contracts;
  - Customer relations management;
  - Budget control;
  - Schedule control.



1984-2003

GAMMA INDUSTRIES INC.

Technical management:

- Management of 16 technicians in charge of shop drawings, manufacturing, and purchase orders for materials;
- Coordination with contractors, architects and engineers;
- Internal coordination;
- Timeline management.

Research and development:

- Development of new products (Canadian and US markets);
- Improvement of existing systems;
- Testing of new products (Quebec and Florida).

Sales and marketing:

- Technical feasibility studies;
- Technical consulting at architect's offices;
- Technical support for sales department.

Engineering:

- Anchors and glass frame anchorage calculations;
- Extrusion optimization;
- Material selection;
- Technical specifications control on various projects;
- Canada and US engineering subcontracting coordination;
- Manufacturing process;
- Project monitoring;
- Testing program;
- Technical training;
- Technology monitoring;
- Benchmarking.

2016



## ADDITIONAL TECHNICAL EDUCATION

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- 2005            WORKSHOP ON DETAILS FOR CURTAIN WALLS AND IMPROVED SYSTEM PERFORMANCE  
Chris Makepeace, Mark Brook and Luis de Miguel, CMHC / SCHL and FAO -  
Ottawa
- 2005            AIR BARRIER DETAILS IN CONSTRUCTION  
CMHC with presentation by Vrej-Arman Artinian, Kevin Knight and Luis de  
Miguel, CEBQ - Montreal (one day workshop)
- 2004            MODELING (WITH WUFI 3.35 SOFTWARE) AND UNDERSTANDING THE HYGROMETRIC  
BEHAVIOUR OF ASSEMBLY JOINTS  
By the designer of the software Hartwig Kunzel, Director of the Physics  
Institute of the building, Fraunhofer, Holzkirchen, Germany and Dominique  
Derome, Concordia University, CEBQ - Montreal (one day seminar)
- 2004            BUILDING SCIENCE INSIGHT 2003- EFFECTIVE CONTROL OF MOISTURE IN LIGHT FRAME  
WALLS OF LOW BUILDINGS  
IRC - Quebec (day seminar)
- 1999            COMPUTER EVALUATION OF WINDOW SYSTEMS' THERMAL EFFICIENCY  
Frame and Vision software programs
- 1997            BUILDING ENVELOPE SEMINAR  
NRC
- 1990            COMPUTER ASSISTED DRAWING (CAD): BEGINNER, INTERMEDIATE AND ADVANCED  
184 hours
- 1989            TRAINING SEMINAR ON WINDOW TECHNOLOGY  
3 days