



SAMINA MEHAR

SUSTAINABILITY & ENERGY MANAGEMENT CONSULTANT

Sustainability and Energy Conservation specialist acknowledged for well-defined understanding of the sustainability integration in design-build projects. A key player with excellent customer service and interpersonal skills in developing and promoting numerous successful cross-sector partnerships & green initiatives.

CONTACT

✉ samina@illum consulting.ca

🌐 www.illum consulting.ca

🌐 @illum consulting

☎ 1-(833)-ILLUME1

1-(833)-455-8631

PROFESSIONAL WORK HISTORY

- **Illume Consulting Inc. [Jul 2020]**
Principal, Lighting Design & Project Management
- **Johnson Controls [Mar 2019 – Jul 2020]**
Sr. Lighting Design & Proposal Specialist
- **City of Markham [Apr 2013 –Mar 2019]**
Sr. Project Manager, Asset Management
- **City of Mississauga [Aug 2011 – Apr 2013]**
Energy Manager, Asset Management
- **MMM Group [Sep 2008- Mar 2011]**
Energy Analyst, Energy & Sustainability
- **City of Toronto [Sep 2008- Mar 2011]**
Sustainability Research, Tower Renewal
- **Crossey Engineering[Mar 2009- Sep 2010]**
Sustainability Engineer, Green Consulting
- **Alstom T&D Group [Jun 1996- Aug 2004]**
Project Manager , Project Management Off

EDUCATION & CERTIFICATIONS

- 📖 M.Sc. Sustainable Building Science- Ryerson University
- 📖 B.Sc. Electrical Engineering- NED University
- 📖 Post Graduate Diploma- Lighting Design- Ryerson University
- 📖 PMP- Certified Project Management Professional
- 📖 LEED BD+C - Certified Building Design Professional
- 📖 LC - Certified Lighting Consultant

RELEVANT WORK EXPERIENCE SUMMARY

Energy Management

- Created tools, resources, and best practices guidelines for measuring, managing, and reducing resource use for water, waste and chemical use in the project during construction and post occupancy phases
- Prepare project specifications/RFPs and provide technical support for detail design, contract administration, compliance protocols and city policy adherence for environmental/sustainability projects.

Energy Benchmarking and Program Development

- Developed and implemented integrated program plan for Energy Benchmarking, Energy Awareness (EBEAR) Communication, and Retro Commissioning of city wide facilities.
- Conducted Sustainability Research as M.Sc. Thesis and provided critical review of international Green Building Labeling Systems and developed tailored Energy Benchmarking system 'STEP' to plan energy efficiency improvements of existing multi-unit Residential Buildings in Toronto, Canada' for City of Toronto, Mayor's Tower Renewal project.

Energy Incentive Applications

- Coordinated and applied for OPA energy incentive grants of up to \$400,000 within 12 months for various Interior and exterior LED conversion projects completed in various roles using both custom and engineered calculation methodologies.
- Developed highly technical M&V protocols to establish actual savings achieved through the conversions.

LEED P3 Projects

- Presented LEED P3 Project for Penetanguishene Ontario hospital to stakeholders

Energy Simulations & Daylighting Studies

- Conducted Energy simulations as well as Daylighting Studies using Radiance, IESVE and EQuest software for various LEED projects like mental Hospital, Penetanguishene Ontario, Baha'i temple in Chile and Parliament building Ottawa new wing

Education & Energy Awareness

- Conducted education seminars for public and management stakeholder for Energy Benchmarking, Energy Awareness (EBEAR) Communication, and Retro Commissioning (Mississauga), LED Conversion (Markham) and STEP (Toronto)

Lighting Research Collaboration

- Wrote Green Construction and Technology (GCT) Credit for Lighting Pollution in LEED Neighborhood Development (ND) guide as Lighting Expert- Energy Sub-Committee for Canadian Green Building Council