



MEHDI KARBASSION

LEAD MECHANICAL ENGINEER

Mehdi Karbassion is an exceptionally qualified Senior Mechanical Engineer for the detailed design phase of your project, bringing over 18 years of specialized expertise, proven leadership, and a track record of delivering high-quality mechanical services designs that align seamlessly with your requirements. With extensive experience in mechanical engineering and project management, Mehdi has consistently demonstrated his ability to oversee complex building services projects, including HVAC, plumbing, and fire protection systems, across residential, commercial, educational, telecommunication, and data center facilities — making him the ideal candidate to lead your design phase with precision and excellence.

Mehdi's robust portfolio includes managing projects valued between \$550,000 and \$1,130,000, showcasing his capability to handle initiatives of significant scope and budget while ensuring alignment with client needs. His recent work includes the HVAC and plumbing design for Estee Lauder Companies at 161 Commander Blvd, Toronto (\$550,000, May 2023–June 2025), and the HVAC and Building Automation System (BAS) upgrade at St. Angela Catholic School for the Toronto Catholic District School Board (\$1,130,000, Feb 2024–Jan 2025). Additionally, his expertise in data center HVAC upgrades is exemplified by projects such as the Rogers Headend expansion at 333 Bloor St, Toronto, the full HVAC design for Rogers Markham Data Center, and CRAC & HVAC upgrades at Rogers Kitchener. His work on emergency cooling projects for schools, including Thorncliffe Park PS, Thistletown CI, and West Glen JS, further highlights his versatility and ability to deliver tailored, high-performance solutions.

Critically, Mehdi has direct, recent experience managing detailed mechanical design projects of similar size and complexity to your project. His proven ability to deliver cost-effective, high-quality designs while adhering to strict timelines, budgets, and industry standards underscores his meticulous project management skills and commitment to client satisfaction.

Mehdi's educational background and professional credentials further solidify his qualifications. He holds a designation as a Professional Engineer (P.Eng.) registered with the Ontario Professional Engineers (PEO) and is a LEED Green Associate (LEED GA), reflecting his commitment to sustainable design and engineering excellence. His extensive experience is complemented by a strong foundation in mechanical engineering principles, ensuring your project benefits from both technical expertise and innovative solutions.



MEHDI KARBASSION

MECHANICAL ENGINEER

EXPERTISE

- Heating, Ventilation, Air Conditioning and Cooling
- Mission Critical Cooling Design
- Fire Protection
- Designated Substances Remediation
- Energy Audits
- Project and Construction Management

RELEVANT EXPERIENCE

EDUCATIONAL FACILITIES

- HVAC Upgrade at Thorncliffe Park Public School
- HVAC Upgrade at Thistle Town Collegiate Institute
- HVAC Upgrade at West Glen Junior School
- HVAC Upgrade at St. Angela Catholic School

COMMERCIAL AND INDUSTRIAL

- HVAC Upgrade for Estee LAuder Companies
- DATA Center HVAC Upgrade for Rogers Markham, Toronto and Kitchener Data Centers

EDUCATION

Bachelor of Applied Science in Mechanical Engineering
University of Tehran

CERTIFICATIONS/PROFESSIONAL AFFILIATIONS

Professional Engineer
Institution: Professional Engineers Ontario (PEO)

LEED Green Associate

Certified Building Commissioning Professional