



ADVANCED MOBILITY PRODUCTS INC.

JOB POSTING: March 29/2023    APPLY BY: APRIL 21/2023

Engineer-In-Training (EIT) – Mechanical Designer (New Engineering Grads welcome)  
Full-Time / Immediate/Remote + occasional travel to client sites in Greater Toronto (ON)  
Monday – Friday 8 AM – 5PM EST / Competitive Salary

Advanced Mobility Products Inc. (AMP) is Canadian owned and operated engineering consulting company. We provide niche and specialized consulting services to assist our clients in solving challenging engineering problems. Our clients come to us from many industries such as: automotive, aerospace, e-mobility, power generation and energy storage systems for our unique engineering abilities. Our reputation with our clients is built on trust and ingenuity.

As we grow our business, we are excited to add a full-time role for an Engineer that is skilled in problem solving, innovation, with a high degree of analytical capability. This individual must be self-motivated and driven, have excellent mechanical problem-solving skills and be able to professionally represent AMP with clients and colleagues.

If you possess an Engineering Degree in either Mechanical, Mechatronics or Aerospace and are independent, have a self-starter attitude, excellent organizational and communication skills, along with the ability to be a mechanical design problem solver than you will succeed in the interesting challenges we face daily. This position will require close collaboration with AMP colleagues and clients through daily video conferencing. You must be able to work independently from your own remote professional office. There will be some travel to client sites within Ontario, primarily the greater Toronto area.

As an EIT – Mechanical Designer at AMP, you will learn advanced analytical and design skills that include but are not limited to design and analysis of electro – mechanical components, drivelines, gear design / analysis, CAD software, gear software, multibody-dynamics software. In time this role will also provide mentoring to our engineering interns and will require you to apply your leadership skill.

#### WHAT YOU WILL LEARN IN THIS ROLE:

- Analytical skills related to electro-mechanical products to optimize system performance, designing, and improving components such as gears, drive lines and structures.
- Engineering analysis such as fatigue, static, and multi-body dynamic analysis, finite element analysis and computational fluid dynamics using software such as: ABAQUS, CATIA, SOLIDWORKS, ADAMS, ROMAX, NASTRAN to name a few.
- Effective communication through engineering report writing and client presentations.
- Leadership skills representing AMP with clients and mentoring engineering interns.
- Collaboration skills working with AMP team and client teams.
- Independence and autonomy working on your own; problem-solving skills thinking ‘outside the box’.
- Effective listening skills and business acumen working with clients to solve their issues.

[www.advancedmobilityproducts.com](http://www.advancedmobilityproducts.com)

Newmarket, Ontario

Incorporated 2018 Ontario, Canada



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**CRITERIA FOR ELIGIBILITY:**

- Legally eligible to work in Canada, and 2+ years Canadian work experience (any level).
- Undergraduate degree in either: Mechanical, Mechatronic or Aerospace Engineering (New grads welcome).
- University Transcript illustrating consistent good academic standing.
- Are working towards Professional Engineers Ontario Designation.
- Able to be on-site with clients in the Greater Toronto Area on short notice as needed.
- Have a professional home office environment for video conferencing with clients and AMP team.
- Available full-time immediately: Monday-Friday, 8 am-5 pm EST
- Excellent written and verbal communication skills, attention to detail, collaboration and problem-solving skills are required.

**APPLY BY APRIL 21/2023**

Contact: Angie Doria, Director, Advanced Mobility Products Inc.

Email: [adoria@advancedmobilityproducts.com](mailto:adoria@advancedmobilityproducts.com)

Include: Cover Letter, Resume, Undergraduate University Transcript