

Fatigue test of straps used in public transit

CHALLENGE

The major challenge was to satisfy the needs of our community partner for the successful of the project. Also, making the design feasible.

PARTNER

River Drive
Manufacturing



River Drive Manufacturing (RDM) is a supplier of components to the public transit industry.

TEAM

- Arash Jenab, Engineering Manager, RDM
- Dr. Andy Simoneau, McMaster University
- Marcel Silva, Master of Engineering Design
- Manoj Subramaniam, M.Eng. Manufacturing Engineering
- Hasib Shaon, Master of Engineering Design

MILESTONES & OUTCOME

- Applying Design Thinking approach
- Iterations of multiple designs
- Satisfying the needs of community partner
- As a designer, getting insight of the client effectively

VALUE

As community partner was satisfied with the project, in terms of business value, the project is significant.

NEXT STEPS

- Building prototype
- Design, selection, programming and integration of electronic parts and controllers

STUDENT REFLECTION

Collaboration, in this project journey collaborating with each other as a team was fruitful. Also, Leadership role and communication development was a key part learnt from this project

