



Bus Design Innovation Program



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Bus Design Innovation Program



Purpose

The Bus Design Innovation Project (BTI) will explore and propose **innovative design solutions** that deliver both incremental and transformative changes to transit buses with **the ultimate goal of creating a safer, more modern, and inviting experience for operators, passengers, the public, and the global environment.**





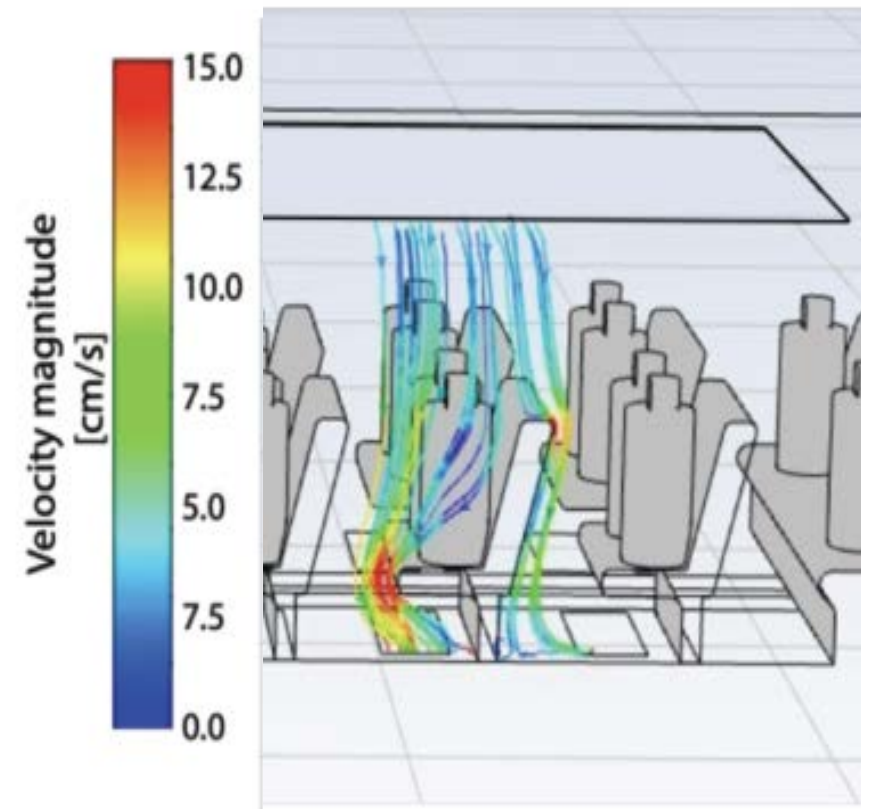
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Objectives

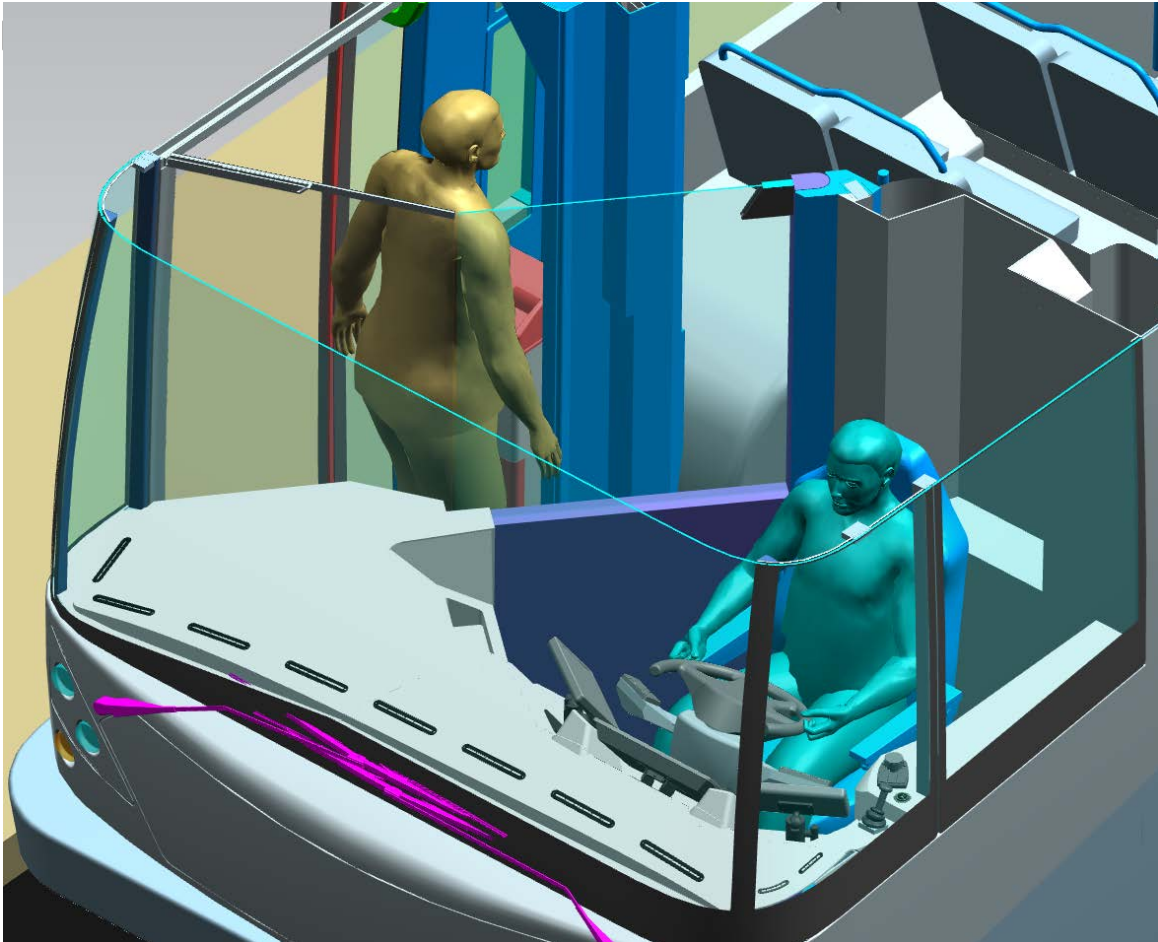
Innovations will be considered that:

- Prevent **assaults and illness**
- Eliminate blind spots **reduce collision risk**
- Minimize **risk of fire**
- Eliminate barriers to **accessibility**
- Enhance the **customer experience**
- Optimize **ergonomics**
- Eliminate vehicle **emissions**





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Benefits

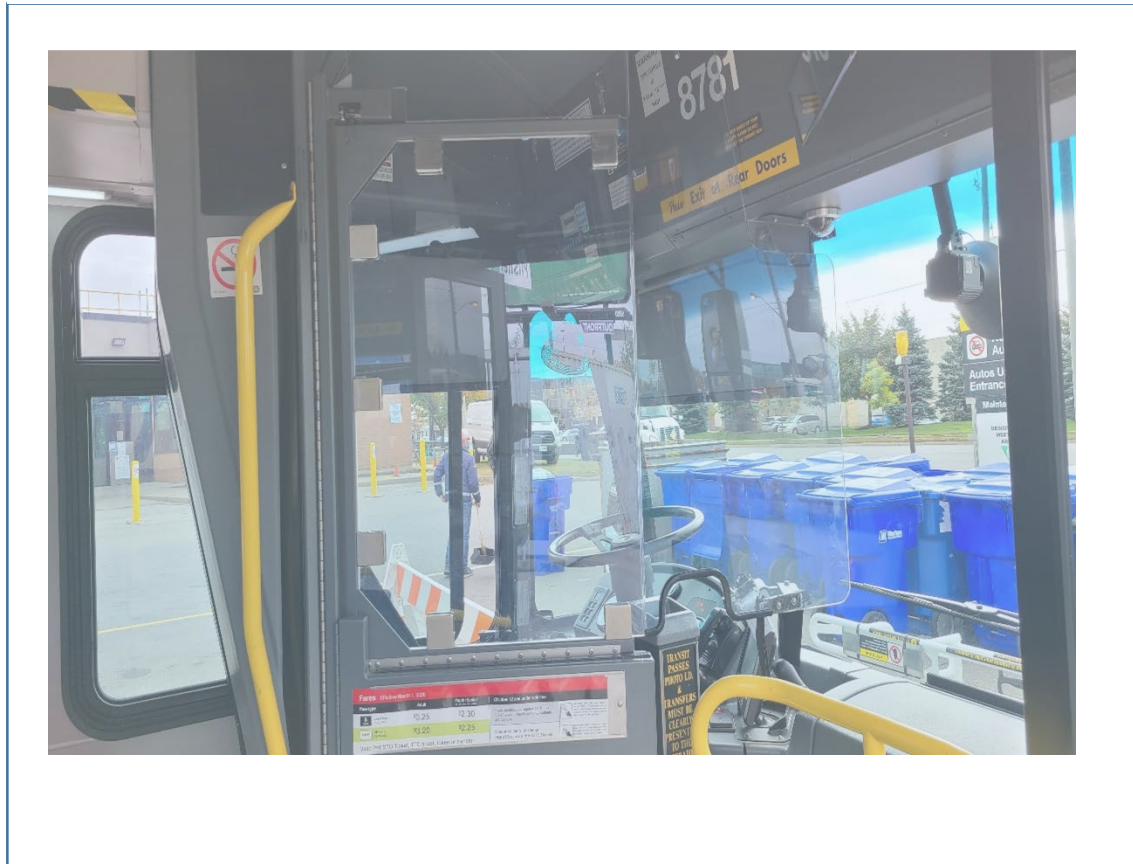
- **Greatly improved vision** - blind spot removal for increased safety of vulnerable road users
- **Improved operator security** - complete barrier for reduced assaults
- **Respiratory hazard protection** - positive pressure isolation from viral transmission, wildfire smoke, etc.
- **Superior ergonomics** for reduction of excessive musculo-skeletal injury rates
- **Greatly improved rearward views** - undistorted 360° view, everything not seen through windows is on displays just below the windshield



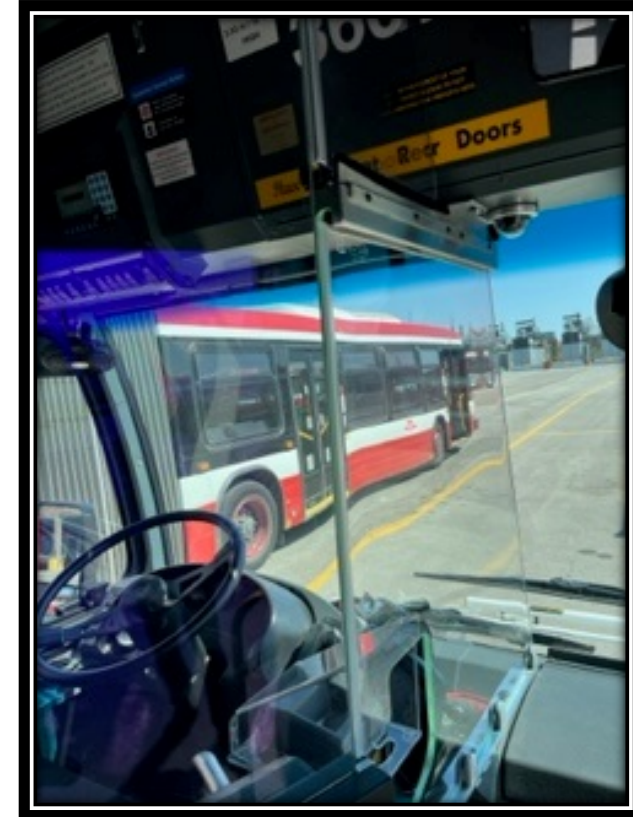
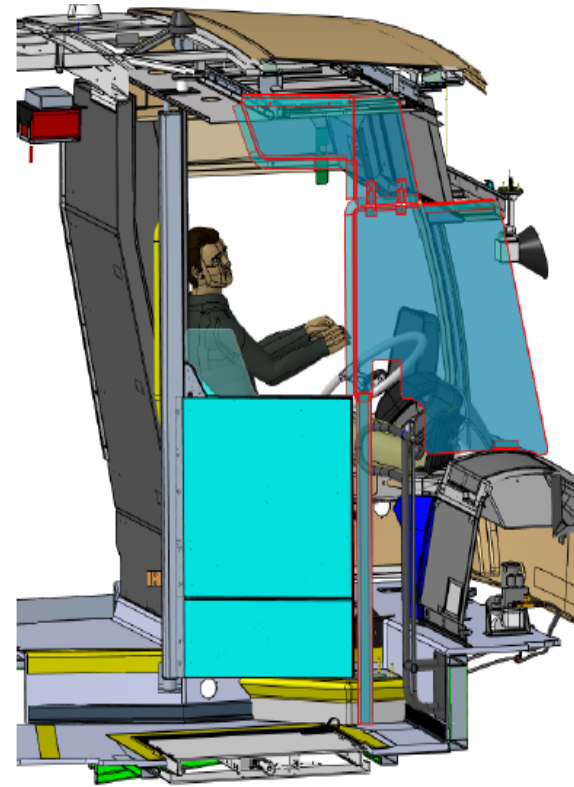
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Existing Operator Barrier



Latest Development





Bus Design Innovation Program



Success through Collaboration

The BDI program will be delivered in partnership with ATU International as a demonstration of effective management-labour collaboration.

The program will leverage its long-standing relationship with Centennial College and others committed to the common objectives outlined.



CENTENNIAL
COLLEGE