

INDUSTRIAL DESIGN CONCEPT

CONCEPT NAME:

Harbor

COMPETITION CHALLENGE: **Design a physical product to help people safely enjoy Michigan winters.**



HARBOR

Current Bus Stop Environments

Problems with current shelters:

- Shelters are too open
- Minimal space is provided
- Little personal space
- Minimal light or no light
- Unwelcoming Design
- Shelters are not eco-friendly

Value Sliders | Surveys | Improvements to be made

Sustainability | Materials

The life cycle of this shelter will be forever by being recycled into other products. This shelter is 100% recyclable.

- Polypropylene Plastic
- Aluminum
- Clear Polycarbonate
- LED Lights

CONCEPT DESCRIPTION

Current bus shelters limit personal space and are designed for "one size fits all" users. Harbor will enhance the winter life of passengers waiting for the bus due to the shelter being closed off and having a roof overhang and a glass wall near the doorway to prevent snow from entering. There is also a 2 percent tilt of the rooftop so that the snow will fall behind the shelter and not cover the walk path- reducing slip hazards. This bus shelter would be sustainable, safe, and accommodate people with disabilities.

FINALIST BIO



NAME:
Ornella Gorgees

SCHOOL:
College for Creative Studies
Detroit

AGE GROUP:
Collegiate

Instructor:
Dave Byron- SF / CCS

MDC EVALUATION

JUDGE'S COMMENTS:

"This tackled an audacious challenge! This is a solution addressing a much larger societal issue"

"The Harbor concept takes a thoughtful and sensitive view on accomodating diverse users"

"It's almost a home-like solution for transient users in an urban environment- practical and aspirational at the same time"

INDUSTRY PARTNER:



www.michigandesigncouncil.org