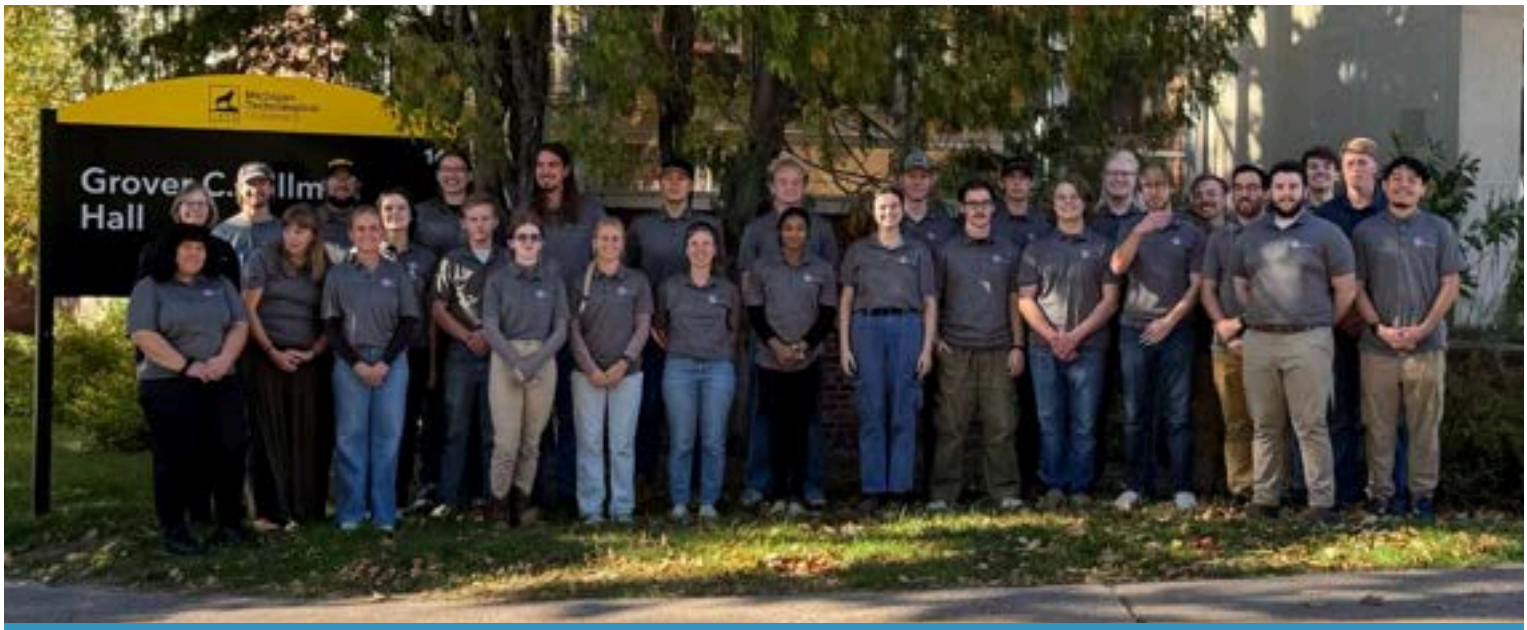
Fall 2025 Alumni Newsletter



2025 BUILT WORLD ENTERPRISE MEMBERS

WELCOME NEW MEMBERS!

Built World Enterprise welcomed 15 new members for the fall 2025 semester!

Built World Enterprise is excited to welcome the following new members to our teams: Sharon Colbert, Brandon Gates, Caleb Hughes, Tyler Colvin, Kendall Danko, Gwendalynn Rickard, Troy Pape, Nicole Spengler, Toshi Skibinski, Sandra Lancaster, Andrew Gothblad, Izzy Endsley, Oden Horne, Shawn Gibbons, Keith Hartman.

2025 COMPETITION PLACEMENTS:

ASCE CONCRETE CANOE

CONCRETE CANOE TEAM PLACES 9TH OVERALL AT NATIONALS

This past year at the regional competition held at Michigan Technological University the concrete canoe placed 1st place, then at the national competition at California Polytechnic State University they placed 9th overall 3rd place in mens and womens salmon races and 5th in sprints. The team is excited to build on last year and make it back to nationals.

AISC STEEL BRIDGE

STEEL BRIDGE TEAM PLACES 15TH OVERALL AT NATIONALS

In June, the Steel Bridge Team competed in the National Competition at Iowa State University and achieved 15th place out of 43 teams. The build time for the bridge was 9 minutes 30 seconds, and the aggregate deflection was 0.75”, which resulted in 13th place finish in the Stiffness category. The team is excited to take what they have learned at Nationals and apply it to the 2025-26 competition season.

WERC ENVIRONMENTAL DESIGN

The WERC team won 1st place at New Mexico State University with their innovative solution for removing heavy metals from water and is excited to build on last year's experience to apply it to this year's competition.

ASCE TIMBER STRONG

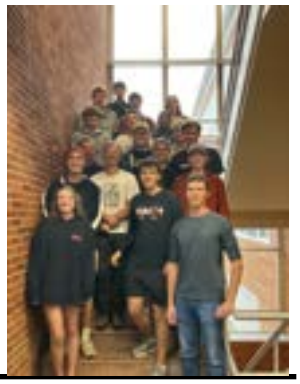
TIMBER STRONG TEAM PLACES 1ST

The Timper Strong team placed first place at the regional competition at Michigan Technological University and set a new regional build time. Also they attended the national showcase at California Polytechnic State University. The team has nearly doubled in membership since last year and hopes to put together another first place finish.

2025-2026 Competition Team Updates:

AISC STEEL BRIDGE

STEEL BRIDGE DESIGN PHASE



The Steel Bridge team is currently working to design a bridge to the conditions dictated by the new rules: a cantilever end and challenging site criteria. This requires outside-the-box thinking from the team. The team expects to have a finalized design in late October and begin fabrication in November.

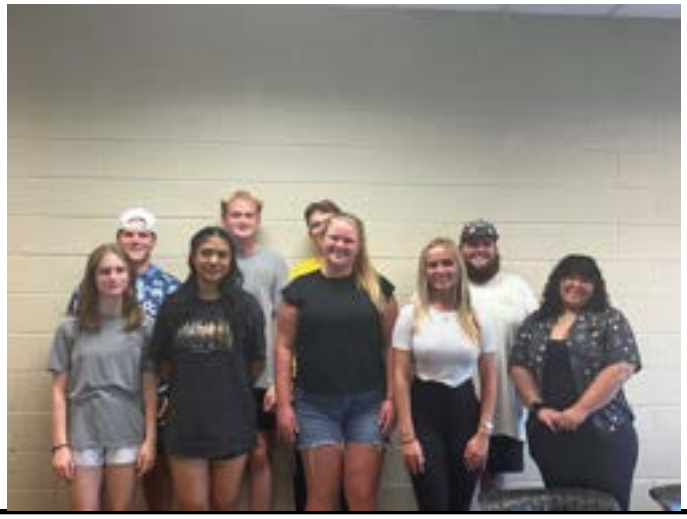
ASCE CONCRETE CANOE

CONCRETE MIX AND HULL DESIGN

The Concrete Canoe team is currently procuring a foam mold for our canoe. Our mix, Reinforcement, Paddling, and Quality Assurance committees are working in full swing. The theme for this year is Norse mythology and we are working on getting our fundraising and aesthetics planning going.

ASCE TIMBER STRONG

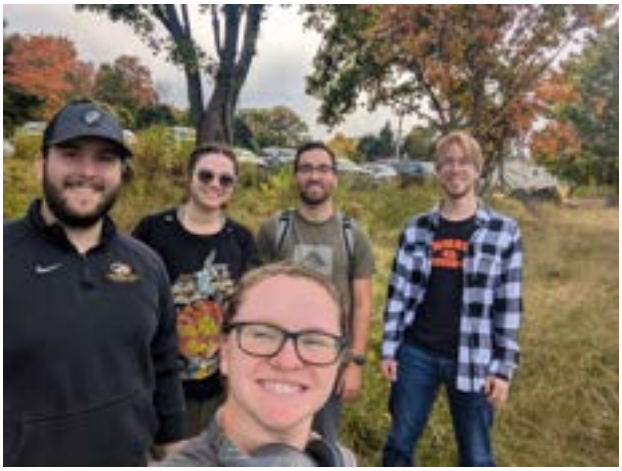
TIMBER FRAMING DESIGN PHASE



In the first week of September, ASCE released the new rules for the competition year 2025-2026. The team has been using the fundamentals of the Design Thinking Process to analyze the new rules. As well as refining last year's structure and calculations to be as complete and accurate as possible. The team is currently working on locating sponsors; constructing our report; and finalizing calculations

EPA RAINWORKS

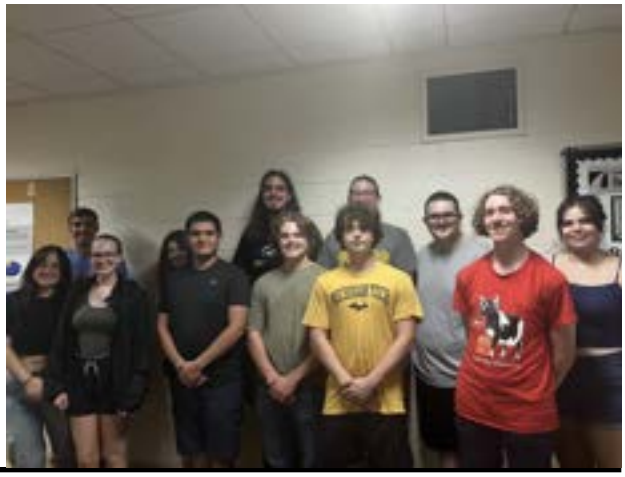
WATER RUNOFF ON MTU CAMPUS



The EPA Campus Rainworks team is currently ideating and defining our project for this year. The areas of interest on campus include the Commuter lot. Due to the area receiving the highest amount of runoff from MTU's watershed, they felt the most appropriate for our team to focus on. The addition of a soil erosion control plan or implementing some form of infiltration before the water gets to these spots has been our most agreed upon solution.

ENGINEERS WITHOUT BORDERS

BOLIVIA ROAD IMPROVEMENTS

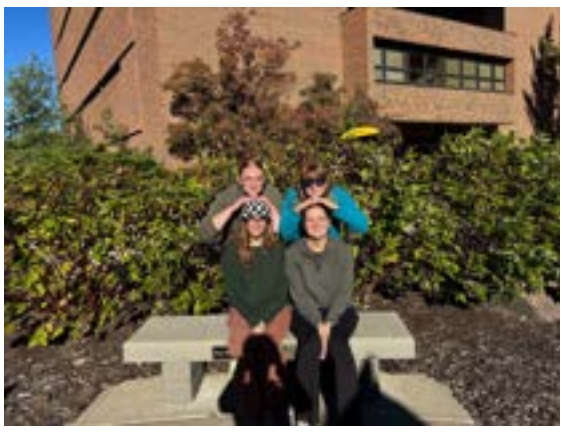


The Bolivia Team is continuing to work with a rural community in Bolivia. We are in the beginning phases of a new project that will look into replacing/repairing the local primary school's roof. As we work to close out our previous road improvement projects with the community we are hoping to continue partnering with them to make their community more sustainable.

WERC ENVIRONMENTAL DESIGN

COLLECTING WATER VAPOR FROM COOLING TOWER

The WERC Environmental Design Contest team will be working on designing a retrofit system to collect water vapor in cooling towers. We are beginning our research by learning about the cooling tower systems and design. Additionally, we are also researching ways to collect water vapor. We will be attending the NMSU WERC competition mid-April next year.

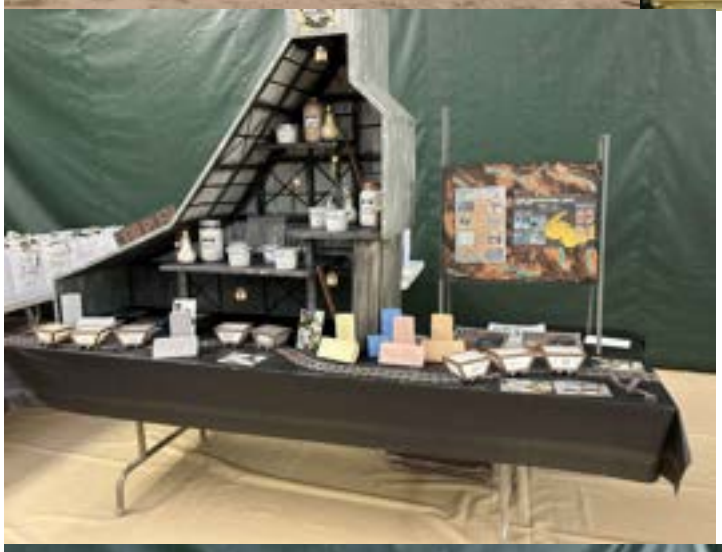


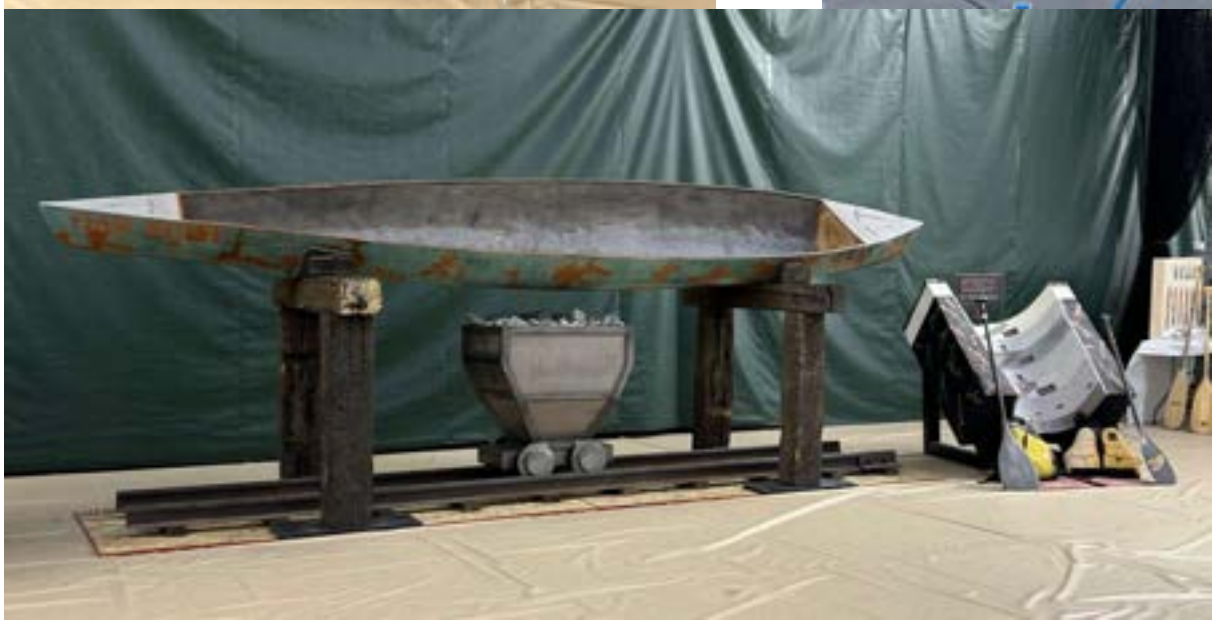
Sponsorship Opportunities:

If you are interested in sponsoring Built World Enterprise, please reach out to the Built World Enterprise E-Board or https://www.mtu.edu/enterprise/giving/

Thanks,

Kristopher Crawford – President (kacrawfo@mtu.edu)
Nathan Metevia – Vice President (njmetevi@mtu.edu)
Connor Noppert – Secretary (cnnopper@mtu.edu)
Jocey Baughman – Digital Relations Chair (jmbaughm@mtu.edu)
Chase Jones – ESAB Liaison (chasejon@mtu.edu)
Joe Dobat – Public Outreach (jadobat@mtu.edu)
https://builtworld.enterprise.mtu.edu/





Michigan Technological University