PJTL provides students with a unique and immersive opportunity to gain practical entrepreneurial experience. Through their involvement with cutting-edge startup companies, students are exposed to the dynamic world of sustainable, carbon-reducing technology. This hands-on experience equips them with valuable insights and skills, fostering a deeper understanding of innovative solutions that address environmental challenges and contribute to a more sustainable future.

Below is a list of companies participating in the 2024 cohort (Jan. 2024 - Dec. 2024). This program is supported in partnership with early-stage venture capital firm Perot Jain.

For more information, contact Nick Moroz at nmoroz@umich.edu or visit Perot Jain TechLab.

Cowboy Clean Fuels uses renewable biomass for carbon removal credits and Renewable Natural Gas production.

Greenwood Village, CO - cowboycleanfuels.com

Students will augment Cowboy Clean Fuels' use of natural systems for procreating robust and superior carbon elimination credits in the market, while concurrently manufacturing Renewable Natural Gas.

The Flow Aluminum battery utilizes cost-effective, nonflammable materials, offering reduced size and weight for equivalent energy storage.

Albuquerque, NM - article

This project aims to support cost-effective, scalable, and sustainable grid-level energy storage by Flow Aluminum.

Mission Zero Technologies is developing efficient direct air capture tech for high-purity CO₂ recovery at reduced costs and energy consumption.

London, UK - missionzero.tech

This project aims to analyze geography, law, and technology for potential DAC locations, informing Mission Zero's deployment roadmap.

Skynano Technologies' products replace carbon additives, enhancing end-device performance and reducing CO₂ emissions throughout their lifecycle.

Knoxville, TN - skynanotechnologies.com

Students will analyze U.S. policies, multi-walled carbon nanotube (MWCNT) market, supply chain, and CO₂ life cycle analysis for SkyNano's emissions reduction process.