

Title: ASME e-Human Powered Vehicle Challenge (e-HPVC)

Sponsor: TBD

ASME's e-Human Powered Vehicle Challenge (e-HPVC), is an engineering design and innovation competition that gives students the opportunity to network and apply engineering principles through the design, fabrication, and racing of human powered vehicles.

The goal of this project is design and build a vehicle that meets the rules and regulations for the 2024-2025 e-HPVC described at

[https://efests.asme.org/competitions/human-powered-vehicle-challenge-\(hpvc\)](https://efests.asme.org/competitions/human-powered-vehicle-challenge-(hpvc))

Of particular importance, the vehicle must meet the safety requirements as outlined in eHPVC Rules - AY24-25 - REV1.pdf.

The vehicle should be designed to compete in the drag challenge and the endurance challenge.

The idea is use this vehicle as platform to compete in 2025-2026 ASME e-HPVC in the spring 2026.

Budget: TBD