ARC: Advanced Racing Construct is an entirely new type of game, and as such, requires some specific hardware to make the experience possible.

Platform:

ARC is a next generation racing game that requires a particular hardware configuration to work properly. The game client itself is designed to be cross compatible among popular phones, tablets, smart TVs and PCs, but requires a 'smart' bicycle trainer (Wahoo Kickr, Cycleops Hammer, etc.) and a bicycle equipped with electronic shifting, and either a smartphone or an Elite Sterzo. An additional piece of add-on hardware will be created to allow players to adapt their Peloton trainers to play **ARC.**

Controls:

ARC taps into the power measurements generated by the smart trainer as well as changing the mapping of controls on the Shimano Di2 and SRAM eTAP levers. Essentially, ARC uses the existing electronic hardware typically used to control the shifting of a bicycle gears and re-purposes them as controls for playing the game. An Elite Sterzo is used to support the front wheel to control direction; an alternative is use a smartphone that is mounted to the handlebar.