



## **2021 Hardware Cup Cleantech Semi-finalists**

The AlphaLab Gear Hardware Cup Cleantech event is Wednesday, February 10, 2021 at 2:00 PM and will be held virtually.

[Click Here for more Event Information](#)

[Aquaai Corporation](#)- (San Diego, CA) Founded on a promise to save the seas, Aquaai works to fight the climate crisis and to protect marine and fresh waterways by providing a better understanding about what is in the water. They make robotic fish that collect images and environmental data without disturbing the natural habitat by swimming like a fish. The video and data is accessible online on a phone, computer or tablet. Aquaai services Blue Economy customers like sustainable fish farms or researchers who seek affordable autonomous underwater vehicles that provide information below the water's surface.

[Kuhmute Inc.](#)- (Flint, MI) They provide the best solutions for locking and charging anything smaller than a car for the multi-Billion dollar industry it already is in the US alone, not to even include Europe where Micromobility is even more relevant.

[Optimal Technology Corporation](#)- (Atlanta, GA) Using energy sensing IoT devices at the electrical junction box, they are able to detect the infrastructure needed or the maintenance needed to optimally reduce the customers electricity bill. This may also include use of their high efficiency solar technology.

[Refiberd](#)- (Cupertino, CA) The environmental impact of the fashion industry is increasing around the world, with over 93 million tons of textile waste produced annually, of which less than 1% is recycled into new clothing. Refiberd is solving the problem of global textile waste by developing a textile recycling system that converts discarded textiles into 100% recycled thread that can be used for new textile production.

[Remora](#)- (Detroit, MI) Their device allows large companies that own fleets of trucks to meet their climate commitments and earn revenue from the carbon dioxide we capture. They'll earn \$10,000 per device, and Remora will earn at least \$14,000 per truck each year for selling or sequestering the carbon dioxide they capture. There are 2 million semi trucks in the US, which represents a \$31 billion market opportunity.

[SpinDrive](#)- (Lappeenranta, Finland) SpinDrive democratizes levitation. They increase energy efficiency of the industrial processes by at least 10% by providing active magnetic bearings (AMBs) to original equipment manufacturers. Magnetic bearings are levitating the rotational part of the machine completely eliminating friction.