



## **2021 Hardware Cup Finalist Companies**

The AlphaLab Gear Hardware Cup International Finals event is Wednesday, May 19, 2021 at 2:00 PM EDT and will be held virtually.

[Click Here for more Event Information](#)

[Capacitech Energy](#)- **Smart Cities (Orlando, FL)** Capacitech is producing a flexible, wire-like energy storage device (supercapacitor) that is designed to be used inside power cords, which offers space saving advantages to miniaturize electronics and complement batteries.

[Hire Henry](#)- **AI/Robotics (St. Louis, MO)** The \$100B landscaping industry is outdated for the modern worker; for this reason many landscaping companies are unable to get the required labor to grow and scale their business. They solve this problem by providing landscaping companies with heavy duty robotic mowers.

[Hubly Surgical, Inc](#)- **Life Sciences (San Francisco, CA)** Hubly Surgical is a cranial and orthopedic platform drilling solution. They're focused on modernizing three verticals: bedside intracranial access, elective neurosurgeries, and elective orthopedic surgeries. Targeting neurosurgeons, their first product utilizing this technology is an integrated electric drill system designed to streamline bedside intracranial access, decrease operating room reliance, and facilitate treatment for emerging indications.

[Mach9 Robotics](#)- **Wildcard (Pittsburgh, PA)** Mach9 Robotics is developing a mobile mapping platform, similar to Google Street View, for subsurface utilities.

[Remora](#)- **Cleantech (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.

[Touchwood Labs](#)- **Smart Home/Connected Devices (Pittsburgh, PA)** Touchwood Labs is an experience focused tech company that is redefining the human-technology relationship by seamlessly integrating invisible touch displays into everyday surfaces. Their proprietary technology uses high intensity LEDs and capacitive touch sensing to enable the creation of displays that come to life through opaque surfaces such as wood, stone and walls.

[Zygo Audio](#)- **Consumer Products (Los Angeles, CA)** They are the Peloton of swimming: the first underwater headset for streaming audio and live communication. In addition to the hardware, they also have a companion app of guided workouts so you can turn a solitary and silent sport into a community-driven and engaging activity.

## **International Finalists**

[Water Design Japan](#)- **Japan Hardware Cup Winner (Tokyo, Japan)** Water Design Japan developed the world's first Ultra Fine Bubble technology nozzle. It has been used in more than 5,000 places in Japan such as: hospitals, factories, buildings, farms, and more.

[PLATFORMBASE](#)- **Korea Hardware Cup Winner (Seoul, Korea)** PLATFORMBASE is providing worlds' first Real-time capable battery-free smart lock system. For industrial sites, infrastructure or many other places where the mechanical locks are used which does not generate any digital data, PLATFORMBASE's smart lock provides compact size locks to replace the mechanical locks without installing any cables or wires. With growing demand for physical security, PLATFORMBASE is providing a total security solution through a remote-monitoring platform which enables other IOT device integration. Currently, PLATFORMBASE has exported to a Telecom company in UK and other government infrastructure in Korea.