



COLLIDEoscope Tech Industries

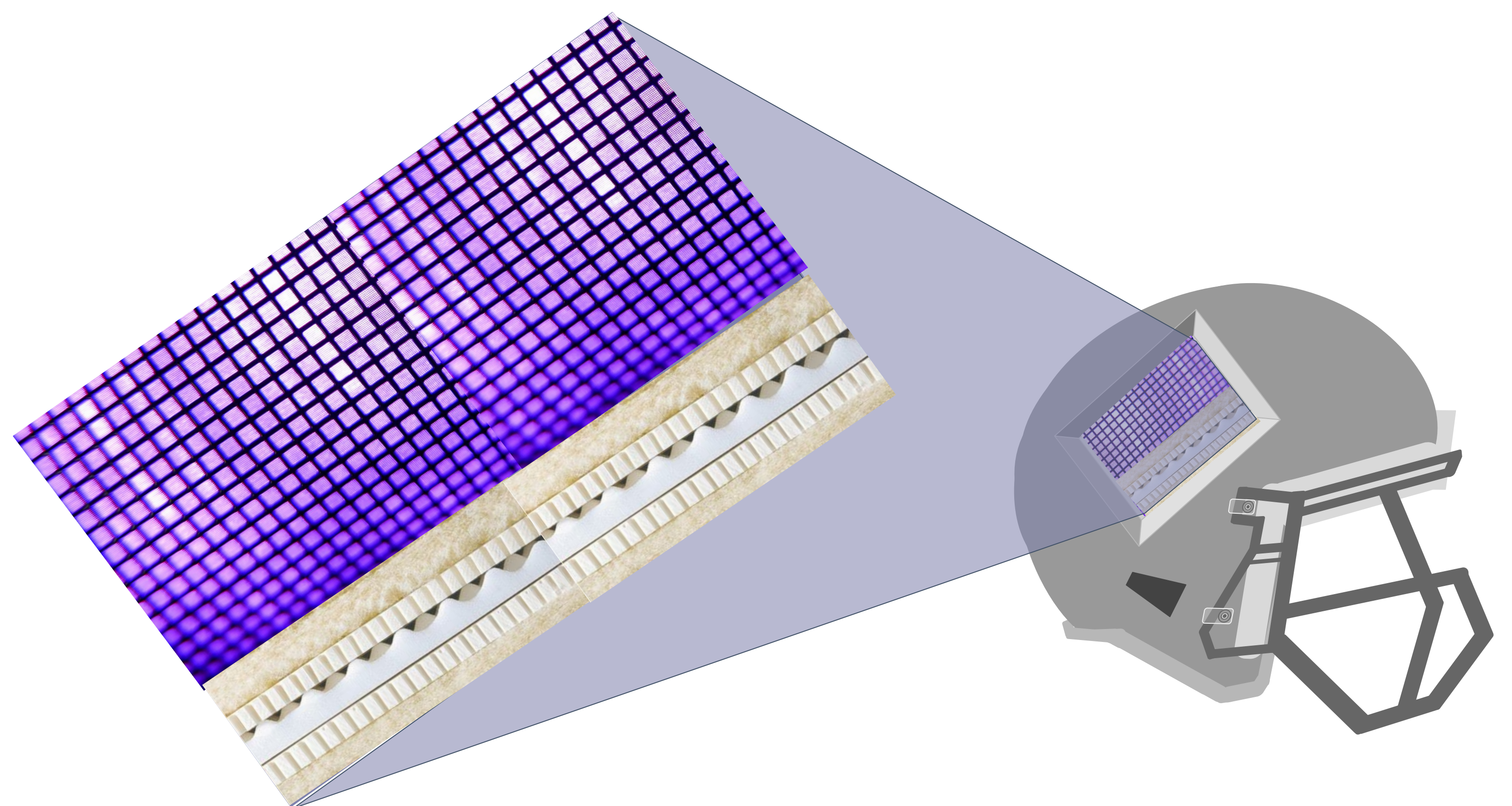
Providing the best protection for affordable prices..

Dominic Armagno □ Tony Dietrich □ Tessa D'Souza □ Andrea Scates

Due to the alarming prevalence of Chronic Traumatic Encephalopathy (CTE) and concussions among athletes, we aim to cease this stifling trend by developing an innovative helmet that protects the skull more thoroughly than previous models at an affordable cost. In addition to product development, we aim to update helmet standards, promote CTE prevention measures, and increase funding for research and treatment.

The current football helmet designs are clearly lacking. There are over 300,000 concussions per year among high school athletes. In collaboration with Purple® □, we plan to develop a cutting edge helmet that combines Purple's patented Hyper-Elastic Polymer™ technology with an updated model of the current helmet.

Our Purple® □ collaborative Tackle-Safe Technology thoroughly protects by distributing weight and absorbing impact. As well as facilitating full functionality for optimum performance, the comfort grid design allows for temperature stabilization.



In order to curtail the concussion epidemic, we believe that it is absolutely necessary to develop a helmet that better prevents concussions than the current models. However, this helmet must be available at an affordable price, so programs with smaller budgets such as high schools can have better access to safer technology.

To expound upon our design, we intend to partner with Purple® □ to combine the standard helmet design with their Hyper-Elastic Polymer technology in order to provide the best protection for athletes.

Our primary concern of execution would be product failure in preventing concussions better than the leading brands. At Collide-oscope, we take pride in quality, and if our product is not the best, then it's not worth selling.

The CTE Center at Boston University and the Brain Injury Research Institute have made strides in expanding scientific knowledge of CTE and its impact.

We plan to work with these institutions to apply their research to the real world.

Through this application, we will fight to update Snell standards and inform the public of why current helmet design is lacking.

Our target audience will be high school student athletes across the United States. This market is very open due to the fact that the most football concussions occur among high schools athletes.

References



Business Plan



Our organization will not only design and manufacture safe yet affordable helmets, but we will also advocate for accessibility to CTE and Post Concussive Syndrome treatment options.

In collaborating with NeuroLIFE Institute's network of treatment centers, it is our goal to expand their services to student athletes everywhere.

The resources that we will need are polycarbonate alloy (for the shell), Purple® □ hyper-elastic polymer material, leather (for chin strap), screws, metal (for the facemask), shock absorbing gel, and any other standard helmet materials. We believe that our design will pioneer a new future for football, and allow parents to feel comfortable putting their child on the field in a Collide-oscope Helmet.