

# Bio Sensing Technologies Launches Inventive Smart HEAD System™

*Ground Breaking Technology in Real-Time Head Biometric Tracking for Athlete Safety*

COLORADO SPRINGS, CO, UNITED STATES, February 19, 2025

/EINPresswire.com/ -- [Bio Sensing Technologies](https://www.bio-sensingtechnologies.com/), an innovator in sports safety and wearable tech, unveiled the [Smart HEAD System™](https://www.bio-sensingtechnologies.com/), a revolutionary device designed to monitor critical head biometrics—including head temperature, rotation, and impact velocity—in real-time. This compact, quarter-sized sensor empowers athletes, coaches, medical professionals, and military personnel with real-time insights into brain health during high-impact activities.

Despite advancements in science, the brain remains one of the most complex areas of study. As athletes continue to push their limits in sports, monitoring head health has never been more crucial. The Smart HEAD System™ provides a non-invasive solution to track key metrics during training, gameplay, and performance—giving users invaluable data to protect athletes and optimize their well-being.

**Seamless Integration with Wearable Gear:**

The Smart HEAD System™ is lightweight and easily integrates into helmets, headgear, or headbands without hindering performance. It wirelessly transmits real-time data via Bluetooth



**Real Time**  
Head Health Awareness

Introducing the **SMARTHEADSYSTEM™**  
[bio-sensingtechnologies.com](https://www.bio-sensingtechnologies.com)

Get Your Real Time Head Health Awareness

SMARTHEADSYSTEM™  
[Quarter to Show Scale]

The graphic features a blue and white color scheme with a background of a human brain and a football helmet. It includes a product box labeled 'SMART HEAD SYSTEM™' and 'DASHBOARD FOR YOUR HEAD', a circular logo with a brain icon, and a small image of the sensor device integrated into a helmet. The text 'SMARTHEADSYSTEM™' is prominently displayed in the center, with the website URL below it. At the bottom, there is a note about the scale of the device shown.

to a handheld device—such as a smartphone or tablet—where coaches, parents, and healthcare professionals can access detailed analytics through a cloud-based app. This instant access to impact data enables quicker, more informed decision-making, significantly enhancing player safety and reducing the likelihood of brain injuries.

#### A Game-Changer for Athlete Safety:

“The Smart HEAD System™ represents a major breakthrough in athlete safety,” said the Program Management team at Bio Sensing Technologies. “By providing precise, real-time insights into head impacts, this technology gives coaches, medical teams, and parents the ability to make better-informed decisions about player health, on and off the field. This is a pivotal step forward in concussion prevention and head injury management.”

#### Reducing Risks Across Industries

The Smart HEAD System™ is designed to have a profound impact not only in sports but also in military and healthcare settings. With over 90 million helmets in use across the U.S. and approximately 4 million concussions occurring each year, the system offers a much-needed solution to reduce the risk of concussion and improve player safety. Early trials have generated significant interest from sports technology experts, with the device providing previously unattainable insights into head injury risks.

Beyond sports, the Smart HEAD System™ also holds immense potential for military personnel and those undergoing rehabilitation. Healthcare providers, including physical therapists and neurologists, can leverage the system to monitor recovery, assess health conditions, and create personalized treatment plans to enhance patient outcomes.

#### Protecting Players, Optimizing Performance:

By delivering real-time data on head impacts, the Smart HEAD System™ equips athletes, coaches, and medical staff with the tools to better protect players, optimize performance, and reduce injury risks—all while staying ahead in a competitive environment.

To learn more about how the Smart HEAD System™ is transforming athlete safety, visit [www.biosensingtechnologies.com](http://www.biosensingtechnologies.com).

#### About Bio Sensing Technologies:

Based in Colorado Springs, Bio Sensing Technologies is a leader in wearable technologies aimed at enhancing safety and performance in both sports and military applications. The company is at the forefront of biometric tracking systems, working to better understand and mitigate head injury risks.

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