

CASE STUDY

**ELECTRONICS
4ALL**

WBGT HEAT STRESS SENSOR

*Real-Time Insights. Safer Workplaces.
Smarter Operations.*

The Challenge

A major industrial operation faced ongoing heat stress management challenges during high-temperature seasons. Manual WBGT surveys were slow, inconsistent, and reliant on trained personnel visiting multiple sites, often resulting in delayed work-rest decisions, unnecessary downtime, and increased safety risk. In addition, manual surveys only provided a snapshot of WBGT conditions, with no ability to track changing environments or support proactive action.

Our Implementation

To address these challenges, the company deployed E4A's WBGT Heat Stress Sensor—an automated solution delivering real-time heat risk data and instant guidance on safe work limits. Sensors were installed across active work zones and integrated with the site's monitoring platform, giving supervisors immediate access to live WBGT readings, automated alerts, and recommended work-rest schedules without relying on handheld meters. Within days, the system became a critical part of daily planning and safety operations.



**AWARD-WINNING
SAFETY INNOVATION**

Proud recipient of the 2026 OH&S Award for outstanding contribution to workplace health and safety.

RESULTS THAT MATTER



REDUCED OPERATIONAL COSTS

- Lower risk of heat-related medical events and downtime
- Streamlined safety processes cut labor and administrative overhead



IMPROVED SAFETY

- Real-time WBGT alerts reduce response time to heat conditions
- Reduced risk of heat-related medical events and downtime



OPERATIONAL EFFICIENCY GAINS

- Reduced manual WBGT site surveys and measurements
- Automated guidance enables supervisors to focus on their core operations

TAKE A CLOSER LOOK



Scan the QR code to read the full article about this award-winning product.



START YOUR PILOT WITH US TODAY.

We're here to help you manage heat stress with confidence.