



**SAFER, FASTER, SMARTER**  
Temperature Screening Thermal Solutions

- ⚡ 1s Measurement
- 🧠 AI Algorithm
- 🚫 Contact-Free
- 👤 Multi-Person Detection

**Stadium staff at Cardiff Dragon's Heart hospital benefit from Hikvision temperature screening thermal solution deployed by Ceaton**

Stadium staff at the new Dragon's Heart field hospital at Cardiff's Principality Stadium are amongst the first in the UK to benefit from a thermal imaging-based skin surface temperature screening system which provides rapid, contact-free alerts on detection of elevated temperature readings.

The state-of-the-art system from manufacturer Hikvision, installed by specialist Ceaton Security Services, was supplied to the stadium to help provide reassurance and safety for staff inside the facility.

Principality Stadium, formerly known as the Millennium Stadium, and sited in the heart of Cardiff, is the home of Welsh rugby. It is currently being transformed into a Dragon's Heart Hospital with a planned capacity of 2,000 beds to help ease pressure on existing NHS facilities during the Covid-19 pandemic.



Thanks to a mammoth effort there are already hundreds of beds available for patients less than a month after construction work began. Ceaton Security Services had already undertaken a massive upgrade of the stadium's video surveillance and access control systems, including video monitoring walls and over 130 cameras across all areas of the site. With the sudden pivot to its use as a field hospital, Ceaton is now providing fire alarm systems to all the on-pitch treatment tents, as well as the temperature screening thermal camera solution for staff.



## CASE STUDY

**HIKVISION**

The temperature screening system consists of a bullet-style camera that utilises both thermal imaging and conventional video lenses and sensors, connected to management software and a monitor. Staff simply walk past along a designated route at the stadium's security lobby, and if the camera detects anyone with a skin surface temperature above its optimal configured range, it automatically generates an alert.

The system is accurate to  $\pm 0.5^{\circ}\text{C}$  and takes less than a second to scan multiple people. The camera features AI detection to reduce false alarms caused by other heat sources, and there is no requirement for anyone to stop as they walk past the system. If an elevated skin temperature is detected, the staff member is then able to be clinically measured and assessed in an appropriate environment.

