



## Optimized Detection of High Body Temperatures

A solution developed by MOBOTIX and its partner TecTradeSolution helps protect staff at BG Klinik

BG Klinik Ludwigshafen specializes in trauma, hand, plastic and burns surgery with a 500-bed capacity. As an institution for learning, research and further education, it maintains a partnership with Heidelberg University.

### Assignment & Risks — Detecting Anomalies in Body Temperature

In high-risk areas (e.g. hospitals, office buildings, administrative offices, airports, train stations), it is vital to be able to quickly detect whether someone has a higher than normal body temperature, as fever is a symptom of illness in humans. Isolating such "high-risk people" quickly for further testing is mandatory, even in office buildings and public facilities such as train stations and airports.

### Solution & Benefits — Eliminating Environmental Factors

As a solution, BG Klinik has chosen MOBOTIX cameras that can detect anomalies in body temperature using technology developed by the MOBOTIX technology partner Tec Trade Solution (TTS). Visitors' entrances are monitored to protect patients, staff and visitors.

"The robust, cybersafe MOBOTIX cameras equipped with versatile software interfaces are perfect for developing such solutions with our partners," says Christian Heller, MOBOTIX Sales Director DACH. "The thermal cameras do not measure for fever, as the weather and other environmental factors can cause false positives when determining skin surface temperatures," explains Thomas Striegel, Managing Director at Tec Trade Solution. "Instead, they detect anomalies in body temperature so that people can be sent for further tests if needed."

The same type of technology has been used for years in the chemicals industry to reliably measure the surface temperature of reactors, irrespective of the weather conditions. "Our technology determines the normal temperature range using a set of prerequisites. It then notifies the user if temperatures deviate from this range," says Striegel. This enables body temperature anomalies to be detected, irrespective of wind and other environmental influences.

### Summary — Proven Technology with Potential for the Future

The technology is being developed further by TTS: "By linking weather data and illness levels, we can create solutions that can use artificial intelligence to predict developments such as waves of flu, which can then make planning staffing levels easier," says Striegel.

#### Key Data

**Sector**  
Healthcare

#### Customer

BG Klinik, Ludwigshafen

#### Partners

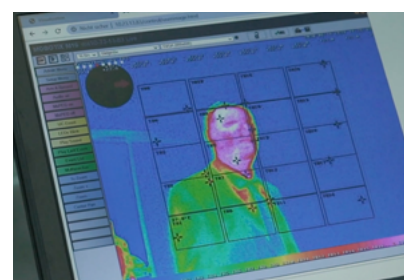
TecTradeSolution

#### Timeframe

2020

#### Products

M16 TR (Thermal Radiometry)



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We can detect anomalies in body temperature irrespective of the ambient temperature, wind and other environmental factors.

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*Thomas Striegel, Managing Director at Tec Trade Solution GmbH*

