

Kentix MultiSensors: The perfect solution for fire protection monitoring of electroplating tanks at Aalberts



The challenge

Monitoring the surface coating in Aalberts' electroplating tanks, which are operated with rectifiers, requires a precise and reliable solution. Thermographic monitoring is necessary to detect faults or anomalies at an early stage. Conventional infrared cameras were ruled out due to the high costs, installation effort and data protection regulations. In addition, the insurer requires comprehensive coverage of all systems.

The solution: MultiSensor-TI and KentixONE

Kentix's MultiSensor-TI is the ideal solution as it acts as an infrared camera and provides the thermographic imaging required to monitor surface coatings. The network-compatible sensor is easy to install and configure thanks to its PoE power supply and can be operated both as a stand-alone solution and in a network with KentixONE as the central management software. All 14 MultiSensor-TI can be monitored at a glance, which enables immediate fault detection and real-time reporting and significantly increases the efficiency of monitoring. The connection

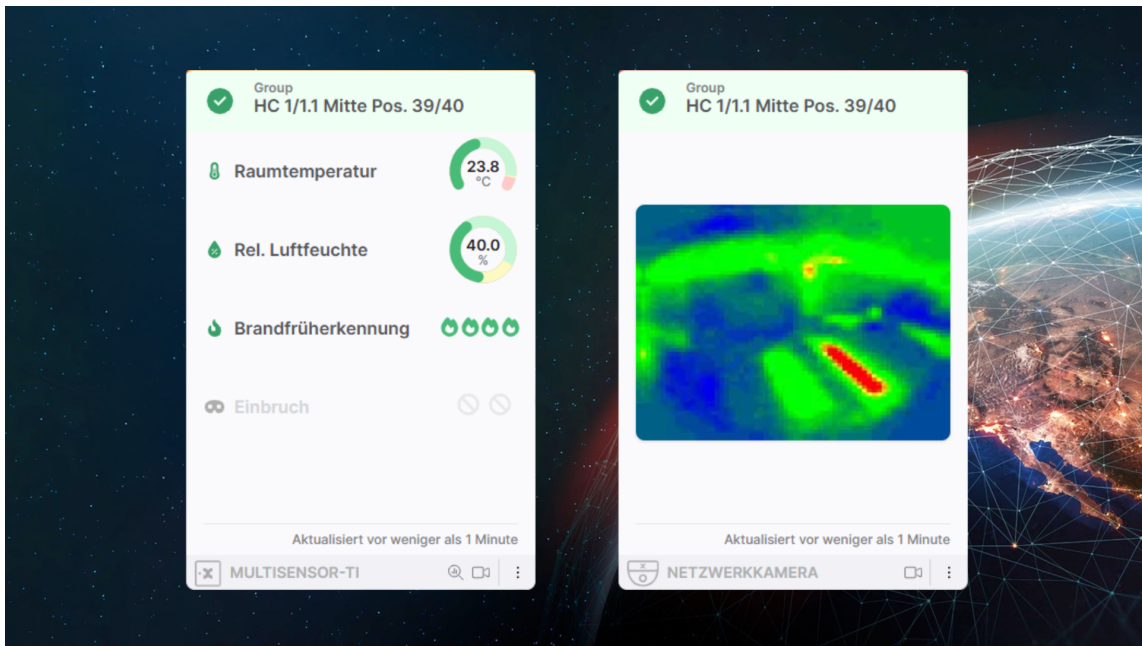
to plant security and external control centers is therefore guaranteed.



Kentix MultiSensor-TI Monitoring electroplating tanks

Advantages, benefits and data protection

The MultiSensor-TI is robust, durable and enables early fault detection, which reduces downtime and prevents major faults. Integration in KentixONE offers centralized management of all sensors and increases the efficiency of monitoring. With its thermographic imaging, the MultiSensor-TI provides precise data for reliable monitoring of surface coatings - without the data protection concerns associated with conventional infrared cameras. The MultiSensor-TI fulfills the insurer's requirements as it enables comprehensive detection without collecting personal data. This data protection-compliant solution ensures that all legal requirements are met and at the same time enables reliable monitoring of the systems. Preventive fault detection and early rectification of possible faults reduces the risk, which not only increases safety in the company, but also leads to savings on insurance premiums.



Visualization of the measurement data in KentixONE

The way forward: Kentix MultiSensors throughout Europe

From the Kerpen site, the recommendation was made to equip all sites in Europe with Kentix MultiSensors. The aim of this strategic decision is to ensure comprehensive, reliable and cost-efficient monitoring of all Aalberts sites and thus further improve safety standards.



“The MultiSensor-TI allows us to precisely monitor the surface coating while

meeting our high data protection requirements. The integration into KentixONE improves the management of the sensors and increases the efficiency of maintenance. This technology is an important step towards safe and efficient maintenance.”

– Christoph Nürenberg, Head of Maintenance at Aalberts’ Kerpen site

Conclusion

With MultiSensor-TI, Aalberts is using an efficient, cost-effective and data protection-compliant solution for monitoring surface coatings. All 14 MultiSensors are monitored centrally via KentixONE, which enables fast and precise fault detection. Thermographic imaging ensures reliable monitoring, while the robust and durable design of the sensors reduces maintenance costs and increases operational reliability.

About Aalberts

Aalberts is a leading global provider of innovative surface and heat treatments. With over 80 years of experience, the company offers customized solutions for numerous industries, including automotive, mechanical engineering and medical technology. Aalberts develops and produces advanced surface coatings, heat treatments and polymer coatings that improve material properties and meet the requirements of the latest technologies. The company operates a global network of over 80 locations and is known for its highly skilled employees and solution-oriented customer support.