Industrial Temperature Monitoring

In partnership with MOBOTIX

Scylla AI works on MOBOTIX thermographic cameras enabling continuous, real-time thermal scanning for lithium-ion battery overheating, heating of transformers and electrical substations, skin surface temperature monitoring, and more.

How it works

1. Bi-spectrum cameras provide thermal radiometric raw data to the AI-powered Scylla Thermal Scanning module.

2. Scylla monitors pre-defined areas of the thermal feed, and if necessary, maps sources of the thermal anomaly to the visual channel. This is used either to exclude the source that needs to be ignored for the future (to avoid excessive false alarms), or for more precise smart targeting and tracking.

3. Historical analysis of heat sources allows to identify overheating trends, as well as precisely localize and notify about possible cases of escalation.

4. The system uses automatic self-calibration based on smart statistical analysis that encounters possible fluctuations during the day and adjusts the values accordingly.

5. Detailed alerts are distributed to all assigned end points for actions to be taken. Scylla can be further integrated with fire alarm systems and help automatize the response.

Powerful technology for safety and smooth operation

Transformers and electrical substations

Transformer explosions and burns not only cause massive electrical failures, but they can also result in catastrophic property damage, injuries and deaths.

Lithium battery overheating

Lithium batteries are widely used but can pose a safety concern when deployed in battery packs, or when stored or transported. There have been many cases of spontaneous fires caused by these batteries.

Industrial dumpster fires

Fire departments responded to an average of 37,910 fires at industrial facilities per year. 71% of these fires (26,730) were outside fires. 45% of these fires occurred at manufacturing facilities. Intentional fires accounted for 50% of outside rubbish fires.

Safe storage of goods

A five-year study by the National Fire Protection Association (NFPA) in the United States showed that there were an average of 1,210 warehouse fires per annum, with annual average losses totalling $155 million.

Skin surface temperature monitoring

MOBOTIX IP Video Systems can measure the skin surface temperature of people and provide this data to Scylla's software for further processing. Scylla Thermal Screening AI takes into account the average temperature measurements for all the visitors and compensates for possible fluctuations during the day, to minimize the number of false positives.

Why choose MOBOTIX and Scylla together?

✓ Both Scylla and MOBOTIX bring extensive fire protection experience, with a shared goal to reduce the risks and losses from fires.

✓ Advanced technologies that allow you to provide better safety and obtain standard compliance certificates like VDS.

✓ Scylla and MOBOTIX work together seamlessly by design.

✓ Both Scylla and MOBOTIX offer advanced technology that improves safety and reduces routine human labor.

✓ High quality, accurate and reliable products mean that you can rely on your Scylla and MOBOTIX solution to perform year after year.
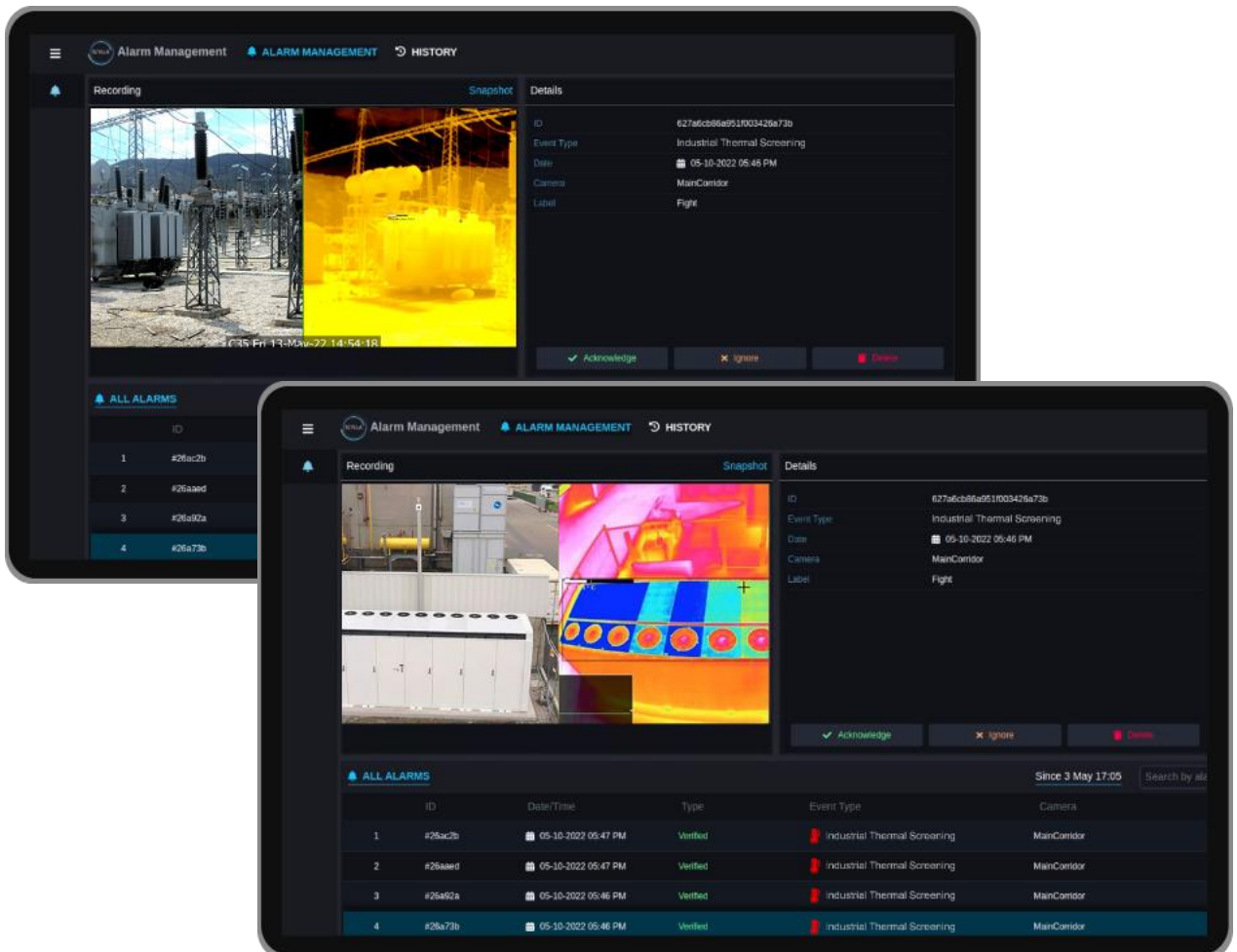
Scylla makes the camera surveillance environment real-time proactive instead of reactive.

Book a live demo now

For more information please contact

Scylla Technologies, Inc.
Address: 11801 Domain Blvd, Austin, TX 78758, United States
Tel: +1 747 271-4717
Email: inquiries@scylla.ai