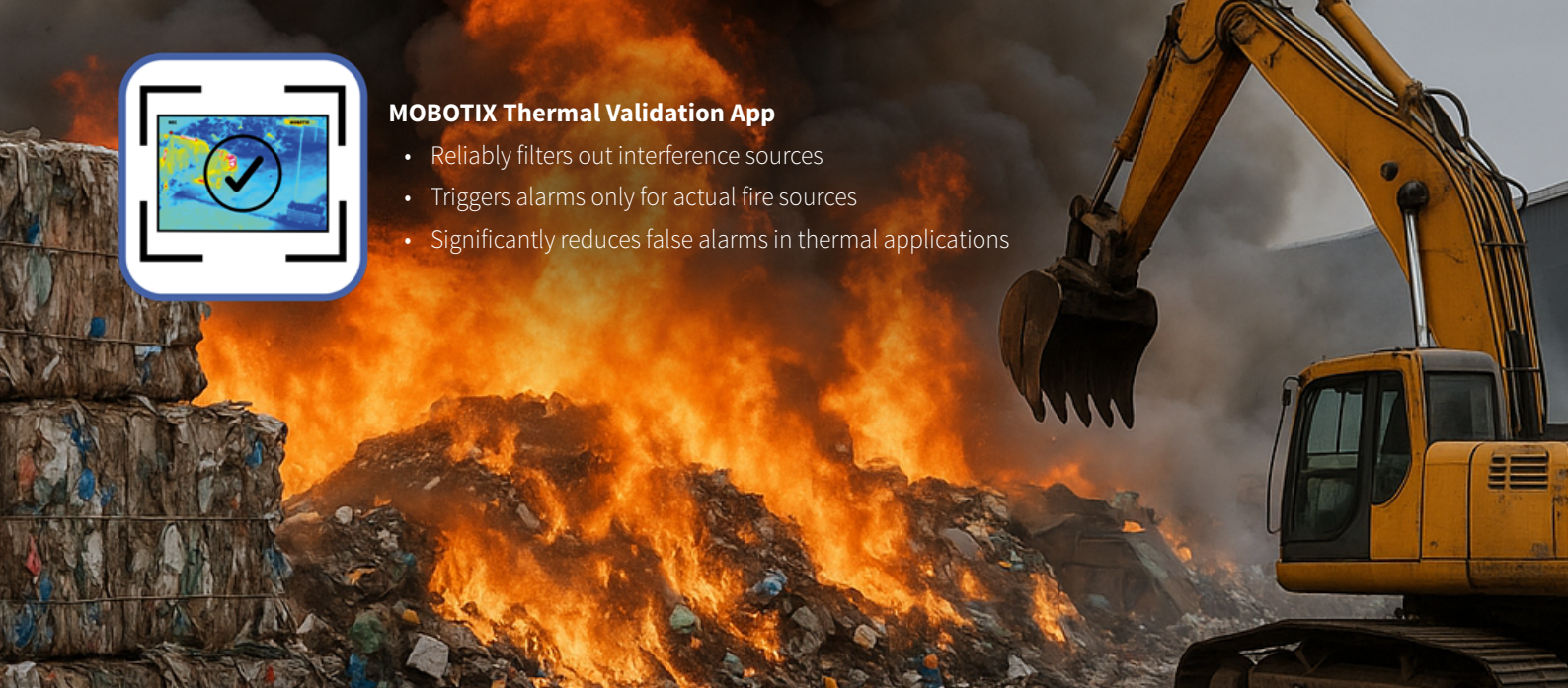

MOBOTIX Thermal Validation App

- Reliably filters out interference sources
- Triggers alarms only for actual fire sources
- Significantly reduces false alarms in thermal applications

MOBOTIX Thermal Validation App – Safety That Pays Off

Fires in recycling plants or logistics centers are a double threat: They endanger people and assets – and they cause enormous costs due to downtime, repairs, and rising insurance premiums.

On top of that comes an **often underestimated factor: false alarms from conventional thermal solutions.** Every unnecessary staff deployment, every interrupted shift, and every triggered but unjustified safety measure quickly adds up to a significant financial loss – and erodes long-term trust in the technology used.

The **MOBOTIX Thermal Validation App** addresses exactly this issue. **It enhances MOBOTIX thermal cameras** (with Thermal Radiometry sensors from the MOBOTIX 7 series onward) **with intelligent verification of temperature events.**

Typical interference sources such as hot engines, crane parts, or forklift exhaust heat are **automatically detected and filtered out**.

This creates greater safety, ensures stable opera-tions – and measurably reduces overall costs.

Find out more at
www.mobotix.com

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Practical Application Examples:

On a **recycling site**, a wheel loader dumps waste onto the pile. The hot engine generates intense heat – classic systems would trigger an alarm, forcing operations to stop.

With Thermal Validation, the situation is classified as non-critical. Only a real smoldering fire inside the waste heap would trigger an alarm.

The same applies in a **logistics warehouse:** dozens of forklifts operate there every day. Conventional systems often mistake their heat emissions for a fire hazard. **The Thermal Validation App reliably filters out these interferences and instead detects dangerous temperature increases** in stored materials or equipment components – **before a fire can start**. This protects employees, reduces downtime, and prevents consequential damage.

Economic Benefits of the App:

- **Fewer interruptions:** Every avoided false alarm saves valuable working time and reduces production downtime.
- **Lower consequential damage:** Actual fire sources are detected early, significantly reducing repair and restoration costs.
- **Stable insurance premiums:** Proven lower risk strengthens negotiating positions with insurers.
- **More efficient use of personnel:** Staff can focus on their actual tasks instead of dealing with false alarms.
- **Low operating costs:** The app runs autonomously directly on the camera – no additional servers, cloud fees, or complex IT infrastructure required.

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