

Waste Management & Recycling

Protect people and the environment with intelligent video technology, increase operational safety and prevent damage

**Effective total solutions for all companies
in waste management**

- Landfills
- Waste Incineration
- Recycling & processing
- Recycling yards
- In-house recycling



Waste Management & Recycling

The various waste management companies take care of the avoidance, recycling, and disposal of waste. Large areas, different materials, bulk materials, hazardous substances, and heavy machinery make the environment challenging and confusing.

With MOBOTIX video technology, you can keep an overview!



1 Comprehensive fire protection

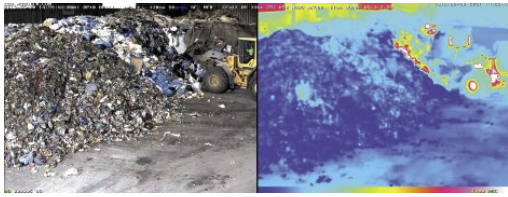
- Fires in stored material
- Fire in garbage trucks
- Overheating of machines
- Fires caused by hazardous waste, such as batteries

2 Perimeter and occupational safety

- Burglary and theft protection
- Occupational safety, protective clothing

3 Process support

- Process optimization (e.g., container filling levels)
- Access control and documentation



Comprehensive fire protection

Large outdoor areas with containers and bulk materials or halls with high ceilings make fire protection difficult. The sophisticated MOBOTIX video technology **detects sources of fire** without contact by detecting critical temperature thresholds - often **before a fire even starts**. This means that the spread of fires can

be effectively fought or prevented. MOBOTIX shows its strengths where other fire detection systems such as smoke extraction systems or linear heat detectors reach their limits.

Certified MOBOTIX early fire detection

Numerous MOBOTIX solutions are officially certified as premium fire protection solutions. For example, via European standard **EN 54-10** for flame detectors (Declaration of Performance) or through the recognition by Europe's largest institute for corporate security, **VdS Schadenverhütung GmbH**. The suitability of the MOBOTIX systems has been proven through specified, intensive tests.



Terrain and occupational safety

Due to the large quantities of materials stored in recycling plants, burglaries are frequently subject to break-ins. MOBOTIX video systems for **perimeter protection** help detect intruders - day and night and in all weathers. MOBOTIX can also help with **occupational safety**. For example, the cameras are work clothes, such as helmets or vests, and automatically issue appropriate notifications if they are not worn.

Process Support

MOBOTIX video technology can help to improve processes and thus make processes and make operations more efficient. For example, **filling levels** of pits or containers can be **automatically detected** using intelligent video analysis. This relieves personnel or can provide valuable information for optimizing the site (e.g., if particular areas are not being fully utilized). **Access control** and the documentation of vehicles can also be simplified and optimized using **automatic character recognition**.



MOBOTIX Advantages

More safety - higher efficiency

- ✓ **Early fire detection** before flames arise
- ✓ **Save money** and **increase yields** (process control support)
- ✓ **Safe operation** (protection, occupational safety and documentation)
- ✓ **Compatible** with existing systems (process control software)
- ✓ **24/7** - reliable monitoring (redundant and maintenance-free)
- ✓ **Modular** and easily **scalable**



MOBOTIX Video Systems - Robust & Reliable in Harsh Environments

Dust, dirt, weather influences and changing light conditions are the demanding environmental conditions in waste management. The housings of MOBOTIX video systems protect against moisture, corrosion and pollutants.

Highly sensitive optics, thermal sensors and intelligent apps **master even the most difficult optical conditions**. The **mean time before failure (MTBF)** of our cameras is **more than 9 years**. This saves maintenance costs and reduces expenditure on replacement equipment.

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