FLAMGAS MONITORING
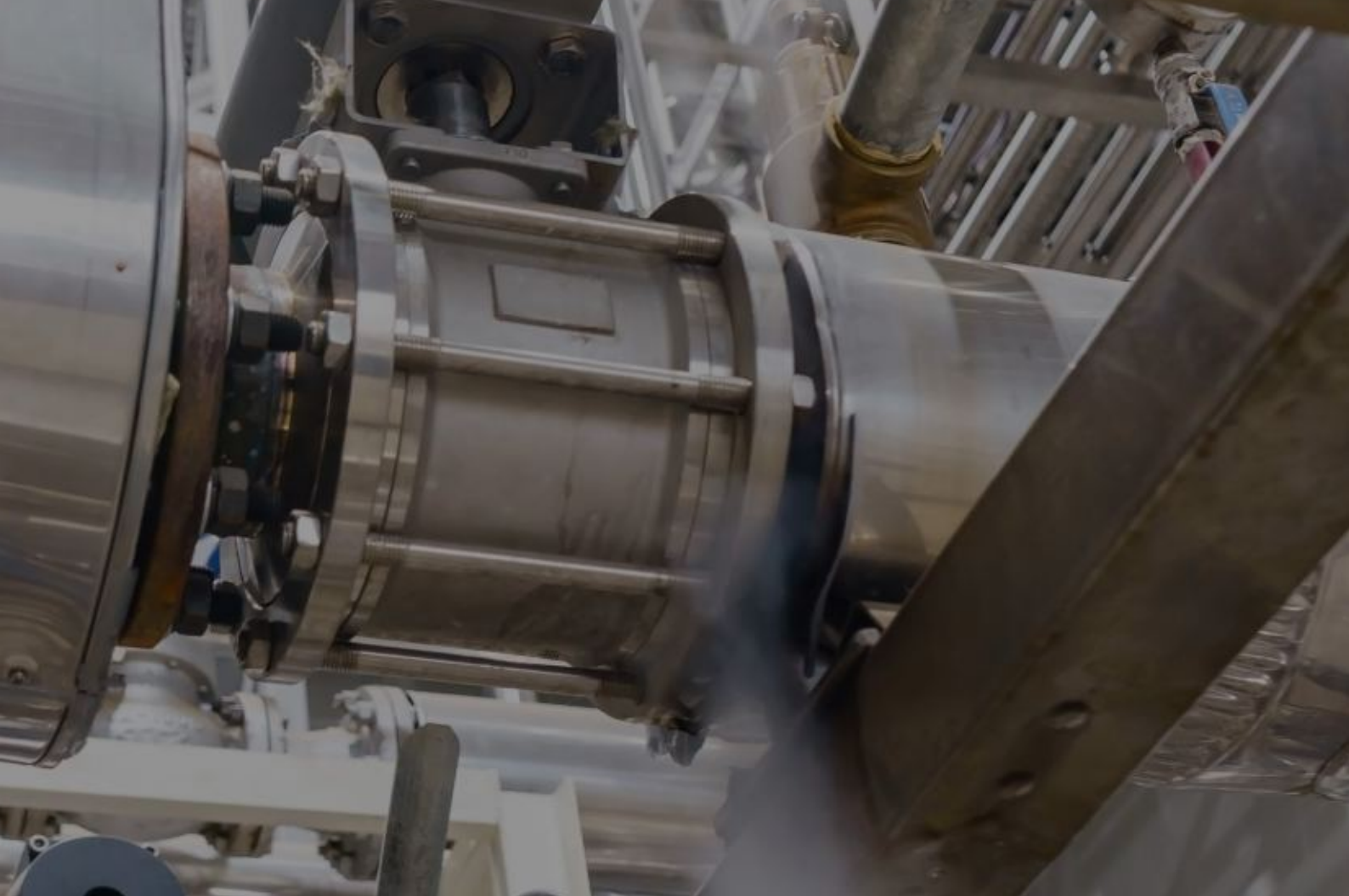
24/7 MONITORING OF CRITICAL INFRASTRUCTURE

AUTOMATIC **COMBUSTIBLE GAS** DETECTION

T-Flamgas Monitoring system is designed for continuous monitoring of critical infrastructures or the places, where impend the unexpected leakage of flammable hydrocarbon gases. The aim of monitoring is to detect the dangerous concentration of such gases in time and alerting operator on dangerous situation.

EARLY INDICATION OF RISK

T-Flamgas Monitoring system can be a supplementary module of T-Multisens Monitoring system. It is designed for a continuous (24/7) remote monitoring of potential failure events that can occur during the operation of critical infrastructures or during the performing of dangerous activities or processes. System is able to quick identify the dangerous concentration of gas and to immediately alerts an operator the risk situation.

PREVENTION IS CHEAPER THAN THE **DAMAGES CAUSED!**

T-FLAMGAS MONITORING - Combustible Gas Detection

T-Flamgas Monitoring system consists from the following components:
- specific high sensitive thermal cameras which continuously monitoring the important areas of critical infrastructure
- central control software that continuously evaluates the temperature changes scaned by termal cameras and compares it with predefined criteria

Monitoring mode

After the start of monitoring mode is the system operation fully automatic and it requires no operator presence.
The monitoring system still displays the thermal and visual pictures of monitored area, thanks to what the operator can everytime to survey the area also manually.

Automatically detection

When the system detects at some monitored area the gas leagage, it will immediately alert an operator on risk situation. At the same time the system perform the record into the event list.
Alarm status of all monitored areas is continuously displaying on the central screen, so the operator exactly knows in which place is the risk situation indicated. It help him to make quick and right decision, how form of reaction he will utilise to eliminate of it.

Analysis of probable causes of risk event

The captured temperature data from all connected cameras are continuously recorded and archived by central data storage system.

The sophisticated post-analyse functions of **T-Flamgas Monitoring system** allows the operator to analyze of all recorded data and visualise their time changes. If the visual cameras are connected the system allow to also the parallel video replay.
All above mentioned information gives the operator enough resources to review the situation history before the risk event. With help of them he is able to determine an exact begining and many times also a probable cause of the risk event that has occurred.

Examples of usable thermal cameras and gas sensors

Where you can use T-Flamgas Monitoring system?

It can be used wherever the unexpected occurrence of flammable hydrocarbon gases exist the risk of explosion with a serious implications as follows the damage of valued equipment, buildings and often even the endangerment of human lives.

OIL & GAS*
CHEMICALS*

COAL MINING*
AND OTHERS

* mining/extraction, transportation, storage, processing