



TRASSI

Reliable Ecosystem for Monitoring Construction Sites

—

TRASSIR TODAY

21 YEARS

of experience in
CCTV surveillance

5000+

Loyal customers all
over the globe

3

R&D
centers

35

Countries with
TRASSIR installations



5,000+

TRASSIR's loyal customers all over the globe

TRASSIR®



TRASSIR SOLUTIONS

All safety and security systems are easily integrated into a single complex managed by one interface

Fast and easy design of safety and security systems

- Assistance in choosing equipment to meet design requirements
- Integration with TRASSIR-based video surveillance, fire alarm system, ACS, and intercom

Quick configuration and ease of use

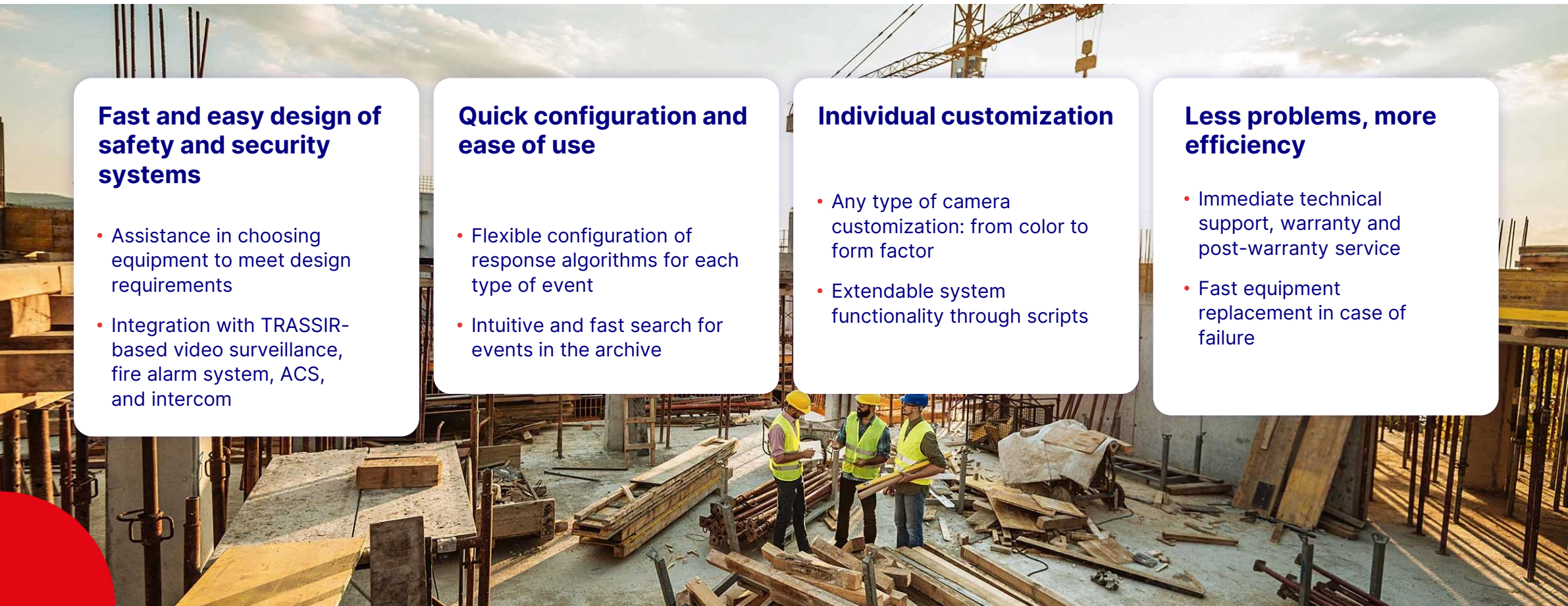
- Flexible configuration of response algorithms for each type of event
- Intuitive and fast search for events in the archive

Individual customization

- Any type of camera customization: from color to form factor
- Extendable system functionality through scripts

Less problems, more efficiency

- Immediate technical support, warranty and post-warranty service
- Fast equipment replacement in case of failure



Integrated construction site management through a safety, security, and efficiency monitoring ecosystem

Safety and security control prevents:

- Accidents
- Fire
- Terrorist attacks
- Thefts

Automated control optimizes:

- Access to the territory for personnel and vehicles
- Loading and unloading processes
- Work time tracking

Efficiency control ensures:

- Process optimization at the construction site
- Systematization and proper storage and accounting of building materials
- Payroll cost cutting through reducing the number of security guards

Automated construction control

Capabilities

- Preventing situations that pose danger to employees and visitors (fire, terrorist attacks)
- Conducting surveillance of personal belongings left unattended
- Reducing the risk of theft and unlawful acts

Solutions

- **TRASSIR Neuro Detector** detects people or vehicle intrusion into the protected area
- **TRASSIR ActiveDome** controls high-speed pan-tilt cameras to ensure video surveillance of large areas
- **TRASSIR Dewarp** allows FishEye camera image viewing via several virtual channels
- **TRASSIR TR-D2B5** — an outdoor camera in an IP67-rated enclosure providing protection against dust and moisture. Ensures uninterrupted operation at any time of year at temperatures from -40 to +60°C



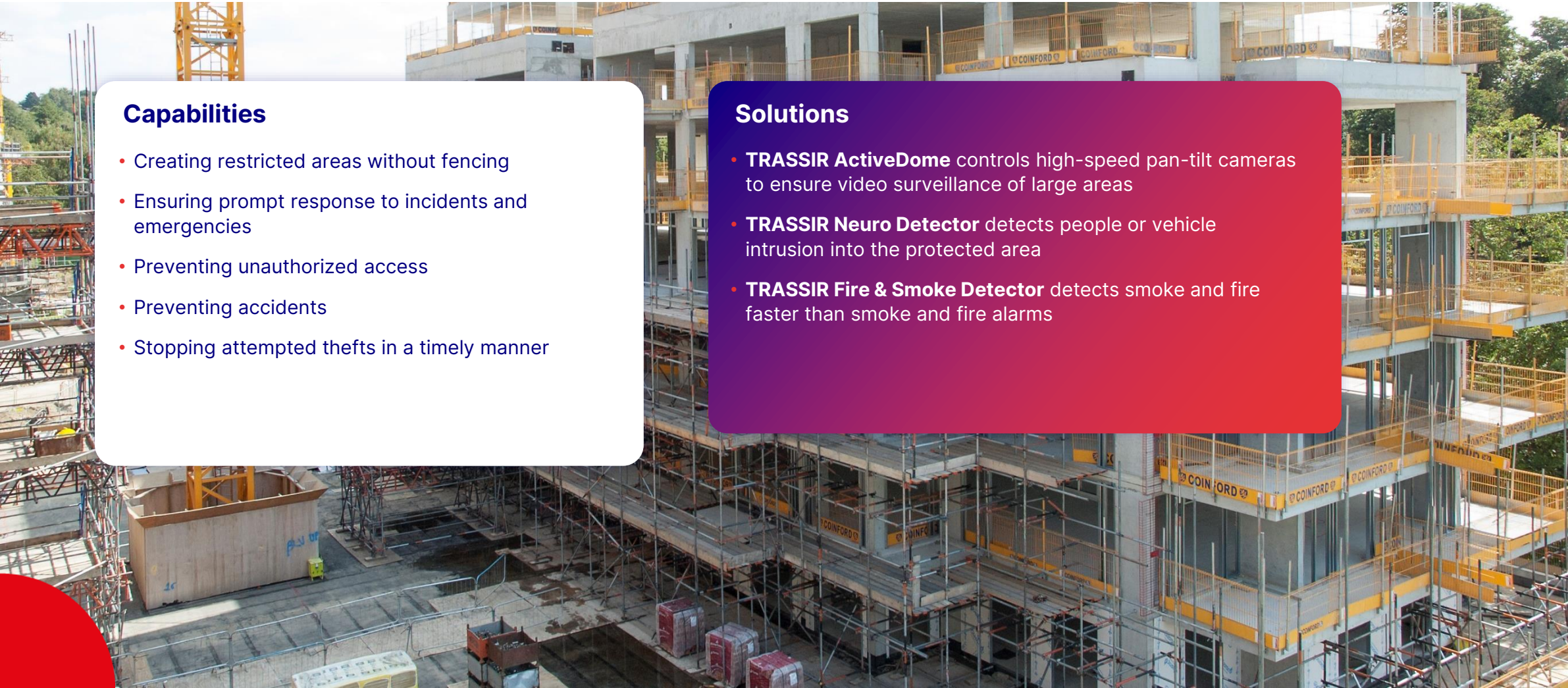
Complete perimeter security control

Capabilities

- Creating restricted areas without fencing
- Ensuring prompt response to incidents and emergencies
- Preventing unauthorized access
- Preventing accidents
- Stopping attempted thefts in a timely manner

Solutions

- **TRASSIR ActiveDome** controls high-speed pan-tilt cameras to ensure video surveillance of large areas
- **TRASSIR Neuro Detector** detects people or vehicle intrusion into the protected area
- **TRASSIR Fire & Smoke Detector** detects smoke and fire faster than smoke and fire alarms



Complete perimeter security control

Capabilities

- Fast automated vehicle access for loading and unloading
- Vehicle arrival warning system
- Automatic barrier opening at entry/exit
- Vehicle counting
- Truck fullness monitoring; cutting short deliveries of materials to the site

Solutions

- **AutoTRASSIR** automatically recognizes license plates and sends signals to barriers to open and close
- **TRASSIR ActiveDome** controls high-speed pan-tilt cameras to ensure video surveillance of large areas
- **TRASSIR Parking** monitors the number of vehicles and time of their stay in the parking lot
- **TRASSIR Active POS Weight** synchronizes a video stream with weighing machine and cash register data

Admission to the territory, personnel identification and control

Capabilities

- Quick access through a turnstile
- Work time tracking
- Worker location tracking at the site

Solutions

- **TRASSIR ACS** — an automatic access control system enabling two-factor authentication
- **TRASSIR Face Recognition** detects and recognizes human faces
- **SIMT (Simple Intelligent Motion)** detects motion and supports object tracking

Real-time monitoring of safety and sanitary compliance

Capabilities

- Monitoring signs of illness, face mask wearing, and social distance
- Monitoring safety compliance

Solutions

- **TRASSIR Social Distance Detector** ensures social distance monitoring
- **TRASSIR Face Mask Detector** monitors face mask wearing in public places
- **TRASSIR Thermal Camera** detects high temperature
- **TRASSIR Wear Detector** detects protective clothing / uniform wearing (by color)
- **TRASSIR Hard Hat Detector** detects hard hat wearing
- **TRASSIR Pose Detector** analyzes human posture

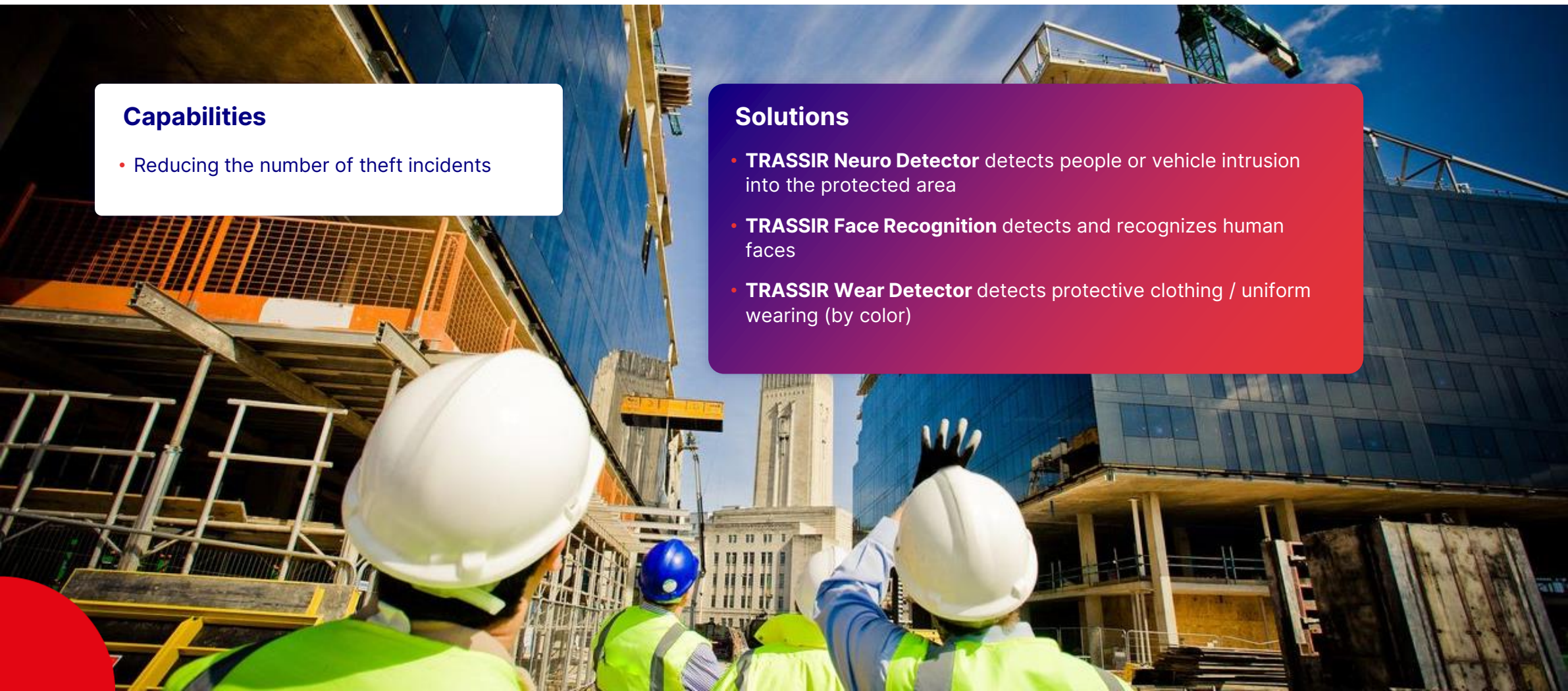
Real-time personnel monitoring

Capabilities

- Reducing the number of theft incidents

Solutions

- **TRASSIR Neuro Detector** detects people or vehicle intrusion into the protected area
- **TRASSIR Face Recognition** detects and recognizes human faces
- **TRASSIR Wear Detector** detects protective clothing / uniform wearing (by color)



Efficient materials and supplies transfer management

Capabilities

- Control of personnel access to materials
- Availability and transfer control
- Compliance with storage technology
- Prevention of unauthorized removal of materials and equipment

Solutions

- **TRASSIR Neuro Detector** detects people or vehicle intrusion into the protected area
- **TRASSIR ActiveStock** ensures event-based video monitoring of warehouse operations
- **TRASSIR ArUco Detector** detects ArUco markers
- **AutoTRASSIR** automatically recognizes license plates and sends signals to barriers to open and close
- **TRASSIR Thermal Camera** detects high temperature

Project milestones

A background image of a construction site with scaffolding, cranes, and a building under construction. The sky is clear and blue.

INQUIRY

Identification of the needs and objectives of the system

TERMS OF REFERENCE DEVELOPMENT

Elaboration and customization of project details

PILOTING

Phased testing and implementation

IMPLEMENTATION

Supported project implementation

Partners & integrations



Mir Stroy Dom LLC

Mir Stroy Dom LLC is a construction company that offers its services in Moscow, the Moscow Region, and other regions of the Russian Federation.



Video surveillance in the industry

- Ensuring security at the site and around the perimeter, preventing theft incidents, damage to equipment;
- Ensuring compliance with safety regulations, monitoring discipline.



Russia,
Moscow



Project tasks

- Ensure security at the construction site and around the perimeter with 24/7 video surveillance.
- Organize remote access for managers, including for remote workflow monitoring by the Customer.
- Monitor work performance, discipline, compliance with safety regulations, construction standards and technologies. Install continuously operating equipment to obtain a high-quality image at a distance of up to 20 m, day and night.



Effect

The Customer highly appreciated the implemented technical solution. Round-the-clock video surveillance at the construction site ensured safety and security, order and complete control over the events. The overall level of discipline and work performance as well as compliance with construction standards and technologies improved. The number of conflicts with subordinates and clients decreased due to storing videos in the archive that serve as an indisputable evidence when analyzing disputable situations, theft or damage. Remote monitoring makes it possible to check the pace and quality of work without attending the facility.

Solution

We introduced a continuously operating video surveillance system, which is easy to operate and maintain, with a user-friendly interface and software, a mobile client, access via a local network and remote viewing through a cloud service. The system is scalable in capacity (with gradual expansion).

We also created an archive with a large number of hard drives for long-term storage and the possibility of cloud recording. In the process, we used the following equipment:

- TRASSIR IP cameras
- TRASSIR video servers
- TRASSIR Cloud service



trassir.com



welcome@tglobal.ae

