

Stationary Remote Detection



Remotely Operated

Modular

Deployable

Stationary Remote Detection

The System

The Stationary Remote Detection is a deployable container solution for access control to field camps or other stationary facilities. The system enables the remote detection of dangerous objects during person- and luggage-control by means of an array of interlinked, sequential remotely controlled sensors (metal detector, people-screener, luggage x-ray system). This aims at investigating whether a person carries explosives, detonators, weapons, ammunition, or other hazardous substances or objects.

The system was configured by the steep GmbH on behalf of the German Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support and implemented in cooperation with the partner Bavak Beveiligingsgroep B.V. One system is already in deployment since 2014, another system was completed in 2016.

The System Setup

The system is comprised of a deployable container compound which enables a person-control in four sectors. The person to be controlled passes through this system independently without supervision and can be controlled from a safe distance. The evaluation of the detection results is conducted by five operators and one language professional in a control unit in up to 200 meters distance.

The modular design of the Stationary Remote Detection allows for an extension with additional control lines. By means of this extension, the throughput of persons to be controlled can be increased. An individual adaption of the configuration of the lines is also possible.

The Advantages

- Optimum security for the employed staff by means of remote operation from a detached control unit within the field camp and a remotely controllable line outside of the field camp.
- Automatic control of persons with latest detection technology
- A detection rate of 97% verified by the Bundeswehr
- Deployable container system with air-conditioning for areas with an ambient temperature of up to 60° Celsius.



Control Unit and Detection Equipment

As an integration expert, the steep GmbH is specialised in the customer-oriented compilation of single components available on the market to special functional systems. By combining several detection systems, the Stationary Remote Detection features a remarkably high detection rate and makes it possible to perform checks on up to 100 persons per hour.

Within the control unit of the Stationary Remote Detection, the system is monitored and operated by an integrated management software with a graphic user interface, which was developed by steep and Bavak. The six operators of the control unit get an overview of all areas and the control over the entire detection equipment through the integrated, uninterrupted camera system.

Among others, the delivered system includes the following equipment:

- A high-capacity walk-through metal detector with multiple zones which meets all international safety regulations and allows a high degree of differentiation in the distinction of metal masses.
- An x-ray control system for the identification of metallic objects, such as knives and weapons, or organic materials in luggage.
- People-screener with millimetre-waves technology for security scans for the detection of weapons, explosives or smuggled goods hidden under clothes.
- A rugged screening system for the control of persons with a high throughput and an easy remote control, which provides the protection of privacy for the scanned person and, at the same time, detects security threats, which are not identified by metal detectors.

Our Services

- Design and planning
- Packaging and labelling
- Component selection and procurement
- Construction and integration
- Air conditioning
- Functional testing
- Support in the provision of infrastructure
- Management of system transport
- System construction on site
- Training of operation and maintenance staff
- Support of administration staff
- Technical documentation

We perform our services with the aim to deliver all necessary processes from one source. From the planning phase on, we work closely with our customers and consider all requirements and environmental conditions in the development process.





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