Airport scanning solutions for baggage, letters and parcels

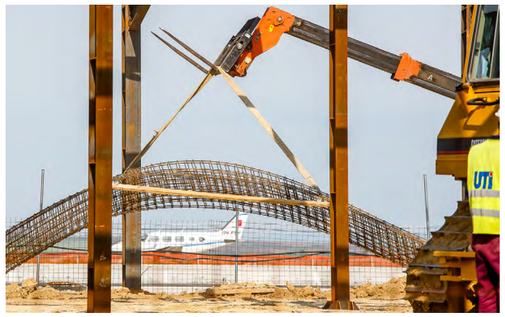
eia®

UTi FACILITY MANAGEMENT

ABOUT US

UTI Facility Management is a Romanian company whose portfolio includes complex airport projects developed over 14 years of activity on the market.

We are constantly concerned to develop and provide our customers with solutions and technologies tailored to the increasingly diverse security and comfort requirements for this type of critical infrastructure.



We offer state-of-the-art solutions for terminals, public areas and air operations ones: physical and IT security, integrated resource management, facility management, as well as solutions solutions for specific airport facilities and equipment: airfield lighting installations, security and scanning systems, embarkation decks, conveyor belts for luggage.

Within our projects with airports in Romania and in the region, we implement both proprietary solutions and produced by world-renowned manufacturers.

BAGGAGE SCANNING SOLUTIONS

The security solutions provided by the renowned CEIA company are ideal for any airport where speed, security and accuracy with which passengers and their luggage are handled are essential.

CEIA detection gates and scanners provide easy, fast and rigorous inspection of luggage, parcels or even whole product pallets with the purpose of identifying explosive detonators or metallic weapons hidden inside non-metallic goods such as: paper, newspapers or perishable goods (foodstuffs), on the body of the passengers or in their shoes.

These scanners have been certified according to the TSA Air Cargo Screening Program. They have also been tested according to the ECAC Common Assessment Framework and have been proven to meet the ECAC Performance Standard for Metal Detection Equipment (MDE).

DETECTION GATE

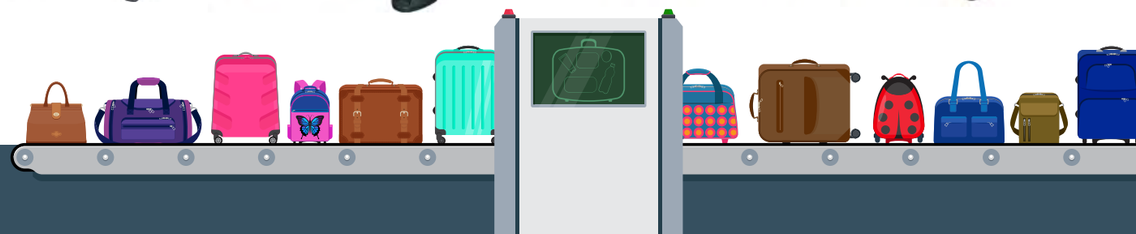
The most advanced security standards provide for the ability of the equipment installed within airports to detect weapons made of ferrous and non-ferrous metal, as well as special non-magnetic alloys.

Detection gates made by CEIA detect firearms and knives, even when they are hidden in body cavities, indicating precisely the position of the threat, the intensity of the object and its predominant composition.

Thus, security personnel receive information about the identified metal element and can act in accordance with procedures, with maximum efficiency and safety.

Features

- Precise detection and automatic alarming in case of identifying firearms or cold weapons
- High capacity of scanning and transmission (no alarms are transmitted in cases of glasses, keys, trouser belts, shoes or other personal items with metallic components)
- Ensuring large transit flows for passengers in crowded conditions
- Very good immunity to external interference
- Compliance with the most strict security standards for weapon detection
- Accurate counting of people passing through the gate
- System equipped with electronic card for a quick setting of the security level
- Unrivalled reliability
- Fast installation
- Attractive design



HAND HELD METAL DETECTOR

CEIA Hand Held Metal Detector combines high reliability and ergonomics with advanced detection and operator signaling features.

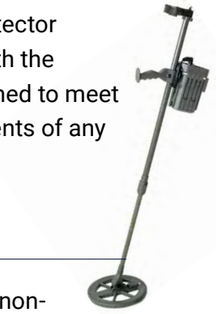
Effective sensitivity to all metals, full compliance with the latest security standards and high immunity to external metal masses are among the main peculiarities of this new device.

Features

- Fully Compliant with NIJ Standard - 0602.02
- Optical and acoustic alarming, proportional to the signal strength and the size of the identified object
- Compact, Elegant, Robust and Ergonomic
- Uniform Detection of Magnetic and Non-Magnetic Targets
- Full Digital Design: Consistent Performance and Calibration-Free Operations
- Continuous Operation Time
- Programmable Sensitivity
- Indoor and Outdoor Operations

GROUND METAL DETECTOR

The ground metal detector made by the Italian manufacturer is a compact, high-performance, high-sensitivity equipment. It has been designed to detect metal targets and minimal metal content in all types of terrain. The identification of the metal objects is done using an acoustic modulation system and an LED bar indicator, which allows the position of the detected mass to be determined with a high degree of precision. The detector is manufactured in accordance with the ISO-9001 standard and was designed to meet the strictest operational requirements of any field of application.



Features

- Effective detection of magnetic, non-magnetic and stainless-steel metal masses
- Accurate pinpointing of the target's position using a bitonal system and acoustic modulation proportional to the dimensions of the detected mass
- High discrimination capability for adjacent metal masses
- Compensation for mineralized and high natural metal content soils
- Static and dynamic detection independent of the speed of transit of the detector - head
- Battery efficient technology for extended operational use
- Extremely high level of electrical and mechanical reliability
- Operation monitored by a microcomputer-controlled autodiagnostic system
- Completely digital electronics, with in-field program memory upgrade capability

LIQUID EXPLOSIVE DETECTOR

Liquid analysis of the passenger luggage is one of the most important elements in the security process within an airport.

For this purpose, CEIA has created a device for analyzing liquid containers and their contents in order to detect the possible presence of explosive precursors and explosive liquids.

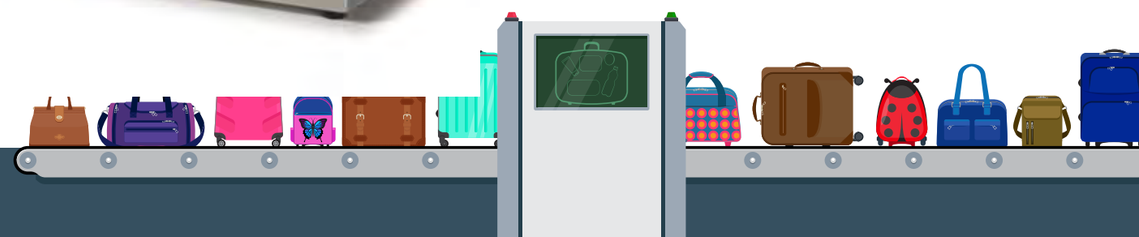
The operator places the bottle in the inspection slot, its presence is detected automatically, and the liquid analysis is performed in about 5 seconds. There is no need to open the container because the equipment uses multiple detection technologies simultaneously.

The fields generated in the inspection cavity are of low intensity and are non-ionizing, being completely safe for liquids and the operator.

Bottles or containers can be analyzed regardless of shape, material and size.

Features

- Certified according to ECAC performance requirements for Type B and Type A (Optional) Liquid Explosive Detection Systems (LEDS)
- Accurate automatic inspection of sealed and unsealed LAGs (Liquids, Aerosols and Gels) in ~ 5 sec. (Type B) and ~ 4 sec. (Type A)
- Compact size and ergonomic design
- Certified to screen liquids in clear, colored and opaque plastic and glass, metal and metallized containers
- Very low combined Nuisance Alarm Rate: < 0.4%
- No-ionizing source or part in movements
- No maintenance required



SHOE METAL DETECTOR

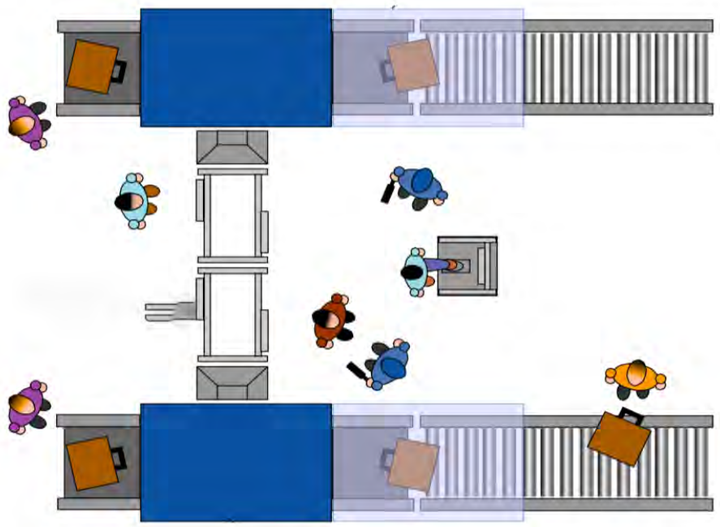
This equipment has been designed to overcome the inconvenience faced by airport security staff when examining the passengers' footwear.

Currently, due to the very high level of security implemented in the airport area, a percentage of shoes containing significant metallic mass causes the alarms to trigger passing through the metal detection gates.

In this context, it is necessary to further examine the composition of the footwear. This can cause discomfort to passengers in transit, but using CEIA's metal detector, the problems disappear, agglomeration is avoided in the security filter area, as travelers do not have to remove their shoes, they only have to put the foot into the slot of the machine.

Features

- Automatic detection of the weapons hidden in shoes and simultaneous discrimination of shoe metal components
- Fast, non-intrusive and effective
- Increase in screening throughput
- Conformity with the European Detection Requirements for Airport Security



AUTOMATIC SCANNER FOR NON-METALLIC CARGO

Ensures the inspection of luggage and pallets that contain:

- Cereals and animal feed
- Pastry
- Fish and flesh
- Textiles and clothing (without metal accessories)
- Plastic, paper, wood and rubber products
- Printed materials
- Flowers and herbs

CEIA electromagnetic scanner is designed to automatically detect detonators or metallic components of explosive devices hidden in food, clothing or plants.

The electromagnetic inspection is the most appropriate and fastest way to verify non-metallic load. Due to advanced technology, the interaction of scanning equipment with the goods is minimized, and the operation efficiency is not dependent on the visual interpretation of an operator.

Features

- Fully detects detonators and metallic components of explosive devices
- It is equipped with an electromagnetic field of low intensity and does not use ionizing radiation
- Available in different sizes for single packet inspection or whole pallet inspection
- Works at maximum capacity without a dedicated operator
- Allows full data storage and traceability
- It does not require recalibration and periodic maintenance

The EMIS 8075 equipment provides scanning of non-metallic packages.

The products in the EMIS 130160 - EMIS 130200 range analyze pallets

MAIL AND PARCEL SCANNER

Using the equipment manufactured by CEIA, mail scanning is carried out according to very high security standards and aims at discovering detonators, batteries, electric triggering circuits, blades or firearms hidden in parcels or letters.

Features

- Automatic inspection of parcels and letters up to 45 cm in width and 7.5 cm – thickness
- Detection of detonators, batteries, trigger circuits and other metal components of parcel bombs
- No alarm on metal staples, paper-clips and metal binding spirals
- Confirmation of signal (OK/ALARM) for each package inspected
- Ergonomic, compact design
- Operates on the mains power supply and with NiMH rechargeable batteries (optional)
- Integrated battery charger
- No calibration or periodic maintenance required
- Optional embedded detector of radioactive materials

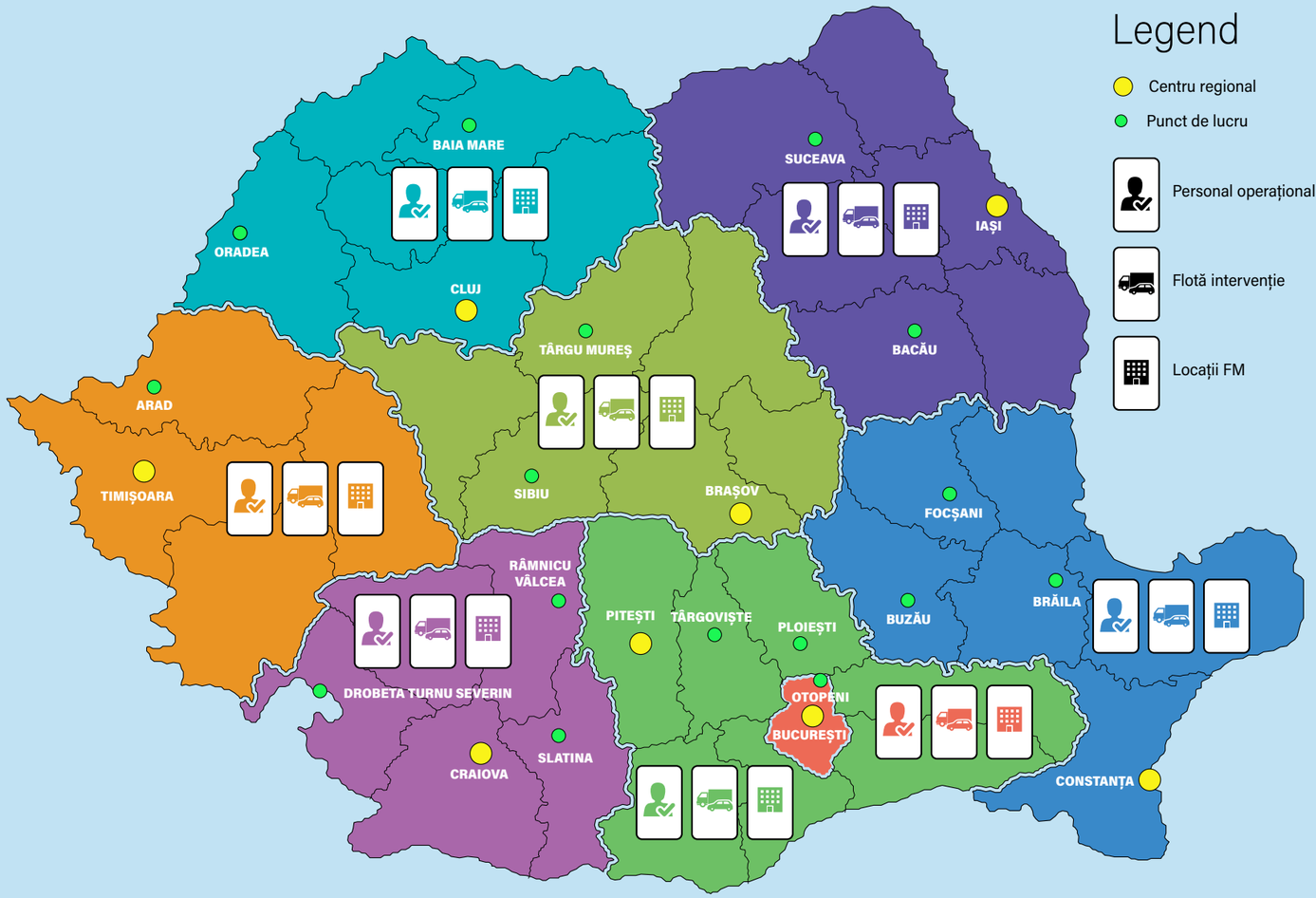
HARTA ACOPERIRE SERVICII UTI FACILITY MANAGEMENT

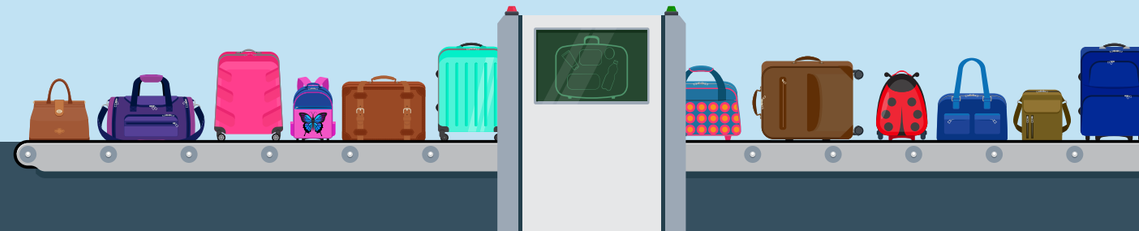
UTI Facility Management has 8 branches that make our services accessible to customers in any region of the country.

Mobile teams are present in each area, with the expertise and facilities needed to intervene with customers and provide them with the highest quality services.

We offer personalized and complete services designed to reduce operational costs and increase the efficiency and safety of buildings.

We understand the specific needs of each type of space and allocate the right technology and resources for all our customers to achieve their business goals and add value.





PORTFOLIO OF AIRPORT PROJECTS

1996

Bucharest Henri Coanda International Airport

- Integrated security and telecommunications system

1997

Bucharest Henri Coanda International Airport

- Integrated parking management system

Bucharest Henri Coanda International Airport

- Customized integrated computerized management solution (ICAR)

2003

Bucharest Henri Coanda International Airport

- Installation subcontractor for the Domestic Flights Terminal
- Assignment of a 10-year maintenance contract for the low voltage systems

2004

Bucharest Henri Coanda International Airport

Assignment of a 10-year maintenance contract for the mechano-energetic systems

2008

Cluj-Napoca International Airport

- Airport expansion and modernization works

Sibiu International Airport

- CAT II airfield lighting installation and perimeter security system

2010

Cluj-Napoca Airport

- Assignment of a 4-year general maintenance contract

2011

Timisoara Airport

- X-ray scan and detection system

Bucharest Henri Coanda International Airport

- Expansion and modernization of the Schengen Terminal

Aeroportul Internațional Aurel Vlaicu București

- Airport rehabilitation and modernization
- Assignment of a 4-year maintenance contract for the runway lighting

2012

Bulgaria, Varna Airport

- Installation of CAT II ICAO runway lighting

2014

Iasi International Airport

- Runway extension and modernization

Cluj-Napoca International Airport

- Assignment of a 4-year general maintenance contract

2015

Iasi International Airport

- Airport expansion and modernization

Bucharest Henri Coanda International Airport

- Assignment of a maintenance contract for the mechano-energetic systems

2016

Bucharest Aurel Vlaicu International Airport

- Assignment of a 4-year maintenance contract for the runway lighting

2017

Bacau International Airport

- Airport rehabilitation and modernization

Satu Mare International Airport

- Complete airport modernization and expansion

Oradea International Airport

- Kick-off the rehabilitation and extension project

2019

Iasi International Airport

- Baggage scanning and automatic explosive detection systems

Bucharest Henri Coanda International Airport

- Face recognition and intelligent video analysis systems

UTI Research & Development Center,
107A Oltenitei Avenue, 041303, Bucharest 4, Romania
Phone: 031 011 884, Fax: 031 40 79 280,
E-mail: office@uti.eu.com, www.uti.eu.com

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