

Airport CBRN Monitoring

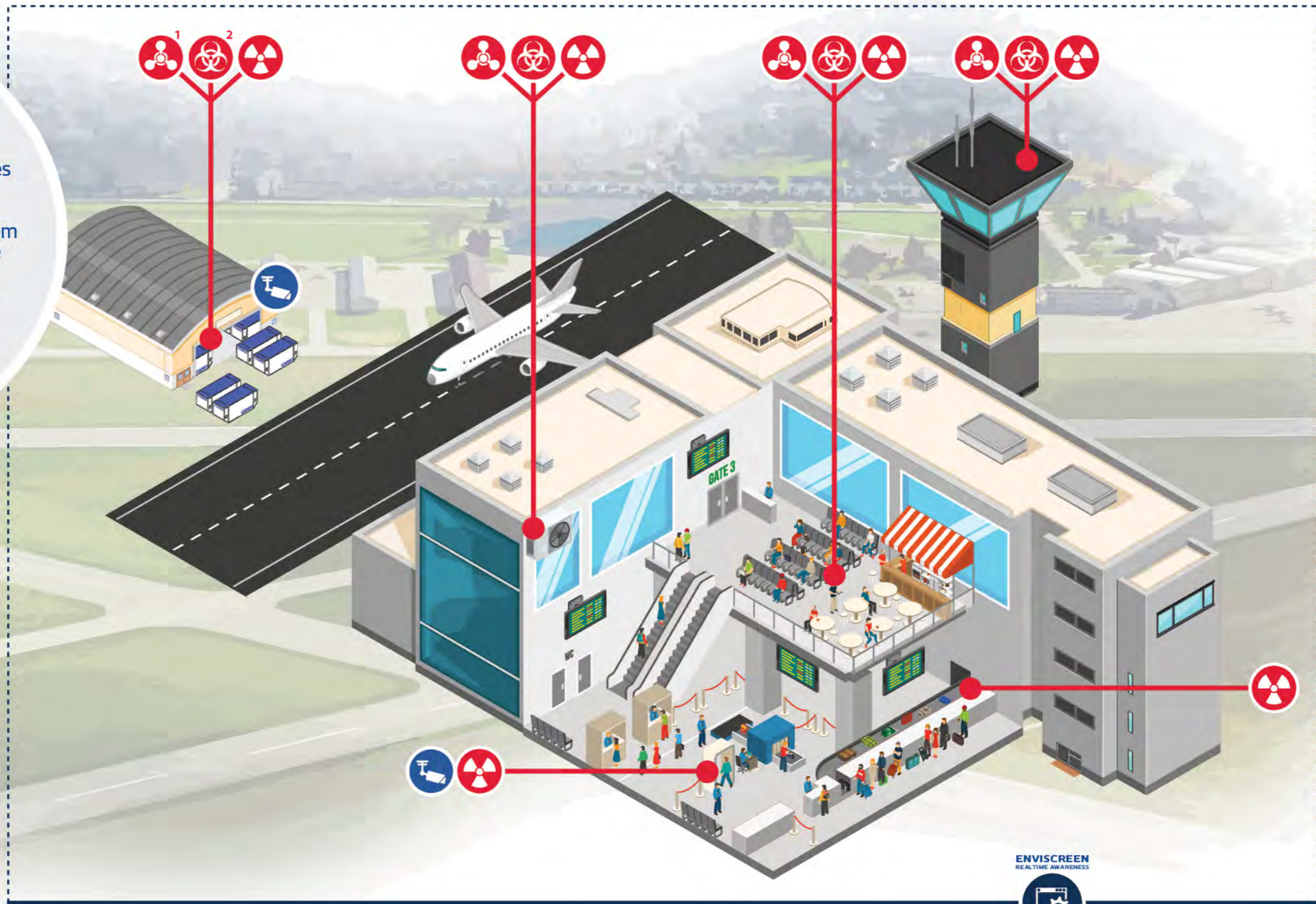


Airports have a key role in global commerce and transportation. Illicit and dangerous materials are the traditional focus of airport security. However, airports with critical, strategic assets are potential targets for diverse forms of terrorism. A successful CBRN attack would contaminate facilities and people, paralyzing all functions, leading to wide spread implications. For risk management, there is a need for multilevel, co-operative defence capabilities in which CBRN monitoring adds significant value.

Key Benefits

- Added value in multilevel, co-operative CBRN defence capabilities for airports
- Scalable, modular and redundant system solution with proven CBRN expertise
- Own innovations in detection, data processing and system software
- Full system life-time support

-  **Chemical Detection ChemProFXi**
-  **Biological Detection ENVI BioScout**
-  **Radio Nuclear Detection EcoGamma & RanidPort**
-  **Chemical Detection ChemPro100i w/CBRN kit**
-  **Biological Identification ENVI Assay System Tests**



Airports represent easily accessible critical infrastructure that gathers regularly masses of people and goods clustered in enclosed environment and transported fast around the globe. Illicit trafficking of hazardous material and intentional CBRN agent releases affect the whole airport, but the assets that are critical and strategic to continuous airport operations, security and emergency management are

among the most obvious and vulnerable targets for sabotage and terrorism. These include passengers and cargo/mail with their respective terminals, airport employees, air traffic control towers, control rooms for security and emergency management, airline facilities and HVAC systems – to name but a few.



Environics
 is a Finnish company with **30 years** of experience from improving CBRN safety around the world with its in-house technologies and system solutions. Different safeguarding organizations in 50 countries, from civil defence and homeland security to the military, have already chosen us as their partner in CBRN threat detection.

Airport CBRN Protection

Environics has long experience in design and supply of EnviScreen CBRN Monitoring systems for protection of critical infrastructure. A risk based threat and vulnerability assessment of the target by the stakeholders forms the basis for the system layout to be designed and implemented. To enable fast detection response and early-warning, further analysis and timely, correct countermeasures at the time of CBRN incidents, our solution consists of a combination of a fixed installed monitoring system and supporting hand-held/portable instrumentation for:

- CWA and TIC detection/chemical analysis
- Bioaerosol detection and provisional biological identification
- Radiation detection and identification

Scalable EnviScreen CBRN Monitoring Systems integrate easily variety of instrumentation from CBRN detectors to camera surveillance. As a key element, Envionics shares situational awareness and guidance for incident management through its proprietary EnviScreen Operix system software. It offers not only real-time status and measurement data for multiple locations, but tools for essential operator training and simulation, reporting and integration to 3rd party systems. As a trusted partner, Envionics support its customers through the whole life-span of its system solutions.



Monitoring System Software
EnviScreen Operix



Biological Detection
ENVI BioScout



Chemical Detection
ChemProFXi



Chemical Detection
ChemPro100i w/CBRN kit

Radio Nuclear Detection
RapidPort-N



Partner for the whole System Lifespan

Envionics provides full life-cycle support to its solutions and always optimizes its systems to meet local environmental conditions. We are present from the first step of identifying customer needs to designing and delivering the system, all the way to full customer support and maintenance services. In addition to producing world-class CBRN systems, we also emphasize and provide user training.



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