

HOTHREAT

C B R N

AR system supporting hotel staff in emergency situation



Co-funded by
the European Union

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Document introduction

WP number and title	WP 4: Training materials and validation
Deliverable full title:	D4.1 The AR system supporting the hotel staff in emergency situation
Lead beneficiary/ Author	Dynamic Safety Corporation
Contributor(s)	Partners
Document type	DEM
Last Update	20.02.2026
Dissemination level	Public

Acknowledgement:

This project is funded by the European Union’s Internal Security Fund — Police. Grant Agreement No. 101100555 — HOTHREAT

This project is co-funded by the Polish Minister of Science and Higher Education in frames of the program “International Co-financed Projects”

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Project consortium

Research, expertise, technology providers



End-users



Law enforcement agencies



The material for this publication was developed and reviewed by the HOTHREAT consortium:

Partner organization name	Country
University of Lodz	PL
Dynamic Safety Corporation	PL
Polaris Hospitality Enterprises	PL
Hotel Boss	PL
Safety Core	PL
International Security and Emergency Management Institute	SK
National Institute of Aerospace Technology	ES
Atiram Hotels	ES
The Center for Security Studies	EL
Hellenic Police	EL
Konngruent	RO
Sigoria Security Solutions	PL
Center for Social Innovation	CY
Aphrodite Hills Resort	CY
The Nicosia Tourist Board	CY
Lodz Regional Police Headquarters	PL
Fondazione Safe	IT
Ministry of Internal Administration	PT
Department of the Interior of the Generalitat de Catalunya	ES

The Augmented Reality (AR) system

The HOTHREAT project developed and tested Augmented Reality (AR) as a tool to support hotel staff and managers during evacuation and building-search activities. Figure 1 present the Microsoft HoloLens 2 model used in the project as well as first person few of the left-hand menu with functionalities of the AR application. The primary objective of the system is to enhance situational awareness by displaying pertinent guidance and critical information directly within the user's field of vision, with a particular emphasis on navigation and evacuation support.

Under the this [link](#)¹, you will find the installation version of the software for Microsoft HoloLens 2.



Figure 1. (left) Microsoft HoloLens

Figure 2. (right) First person view in AR goggles– map with user location of the hotel facility and hand menu for respected room.

¹https://uniwersytetlodzki-my.sharepoint.com/:f/g/personal/czsb_uni_lodz_pl/IgDBW3eUMLwJRrcWb0mGJsxiAc-kgtnBgnoq7VNN4Lyizo?e=TPoHfV