



EU Drone Days

**Launch of the
European Drone Strategy 2.0**

SESAR U-space Showcase

Brussels, 29-30 November 2022



#EUDroneDays

ASPRID

Airport System PRotection from Intruding Drones

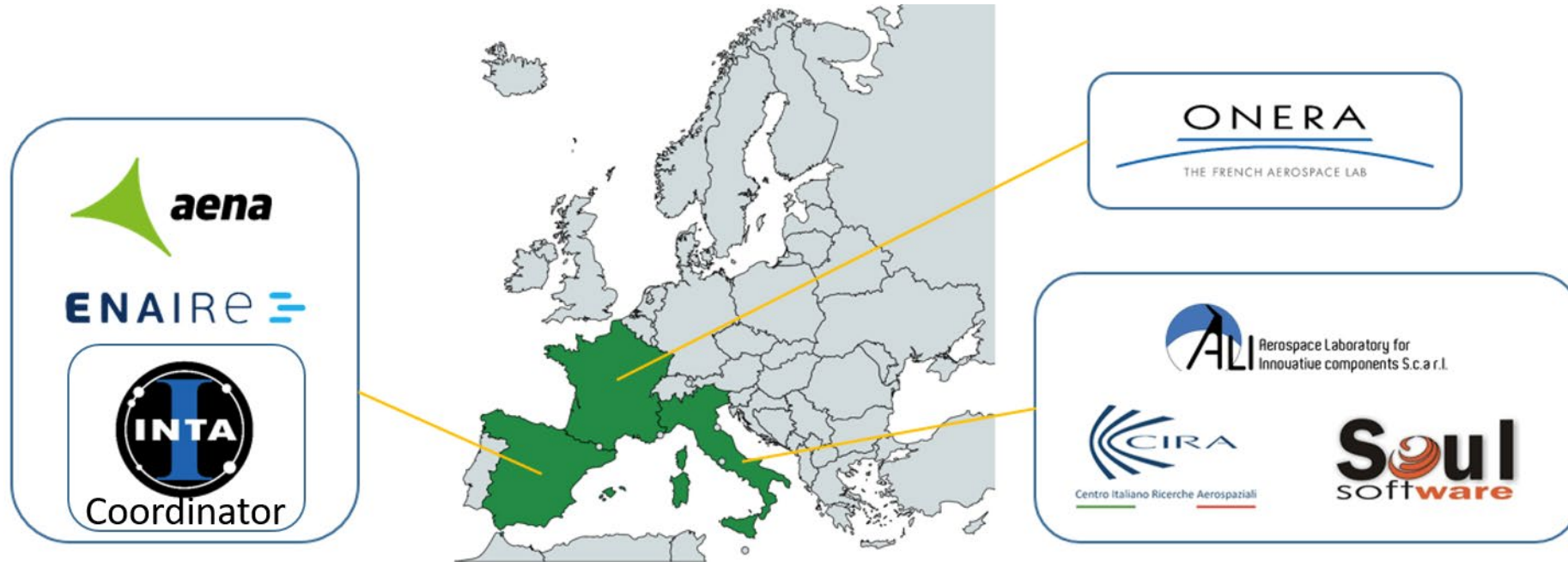


www.asprid.eu

 @ASPRIDproject

ASPRID Consortium

ASPRID is a SESAR Exploratory Research project that aims to answer how to deal with the problem of protecting airport operations from unauthorized drone intrusions.



ASPRID Objectives

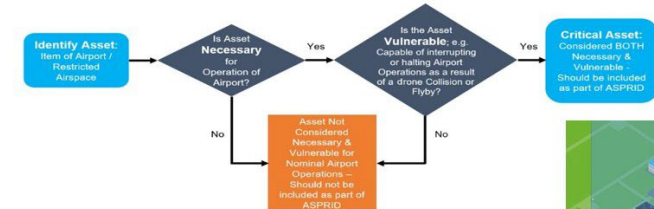
- To get awareness of airport operations scenario degradation due to drone intrusions,
- To define a service oriented operational concept of and system architecture supported by procedures and regulations to manage both, airport intrusion and airport operations efficiently.
- To validate the operational concept and system architecture according to performance objectives.
- To set recommendations for future regulations applicable to the protection of airports from drones

System high level overview

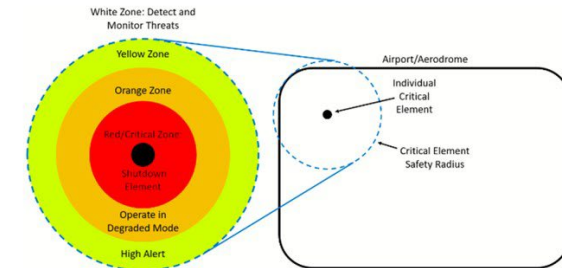


Operational Concept

• Definition

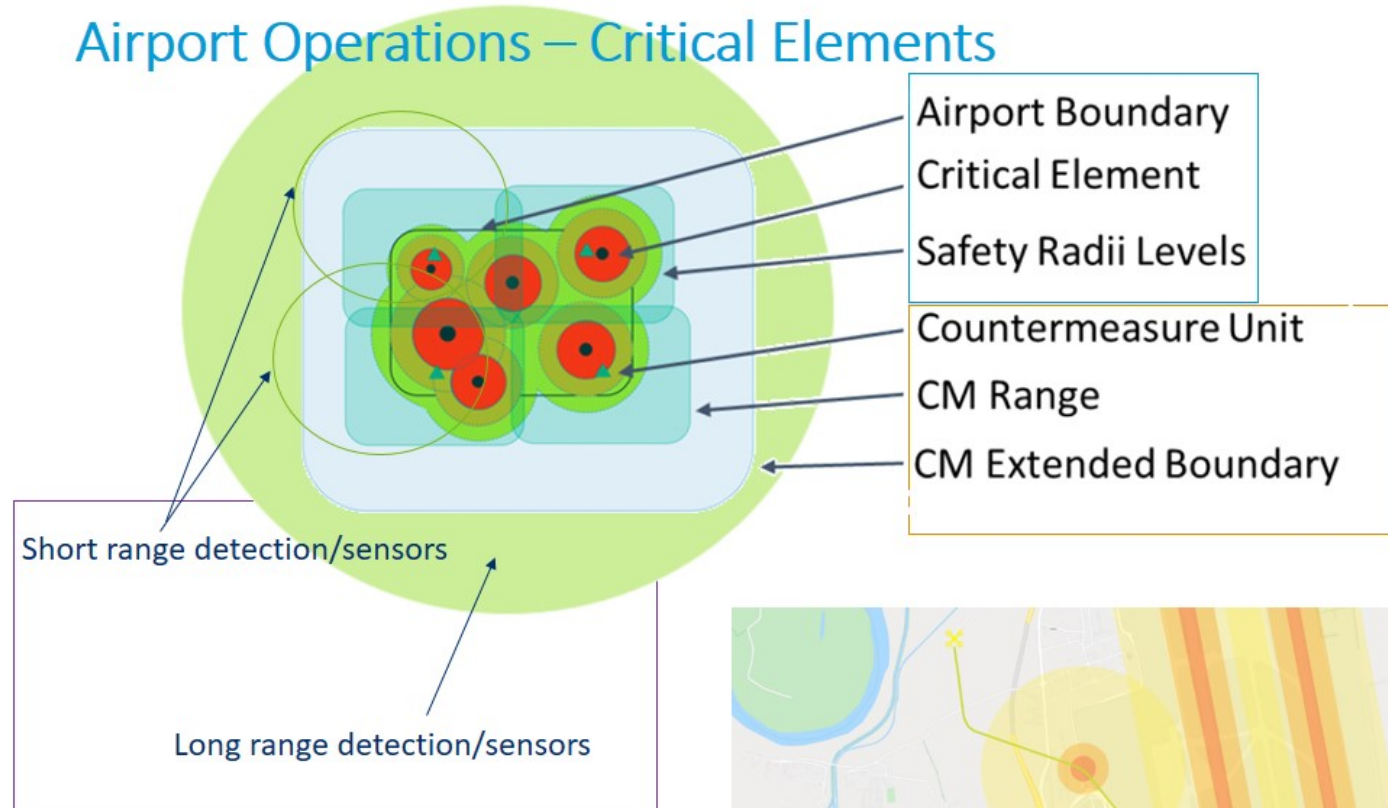


• Zones



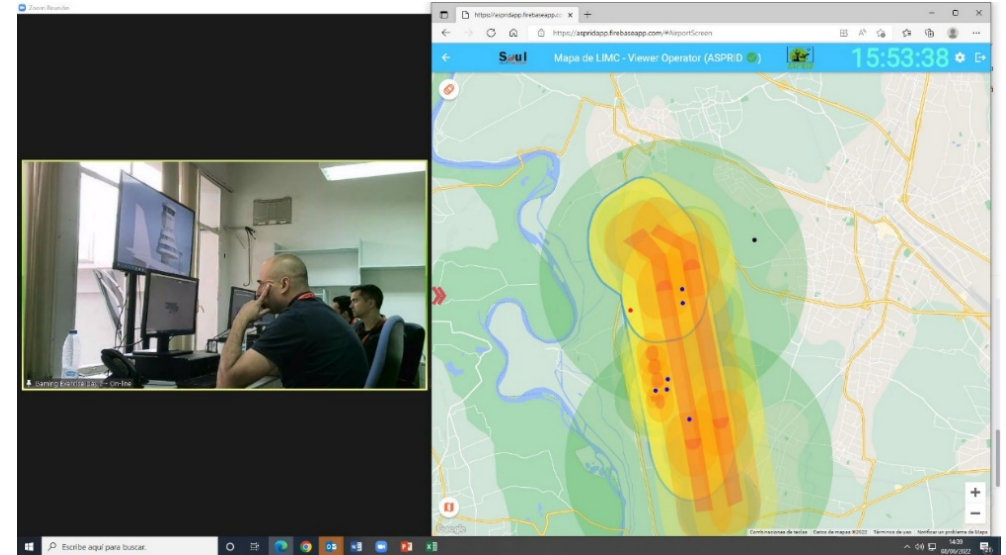
ASPRID Layout Concept

Airport Operations – Critical Elements




ASPRID Results

1. Methodological Framework
2. ASPRID requirements
3. Operational concept and architecture
4. ASPRID HMI
5. Validation Platform (+ ATCO enhanced view)
6. Validation Results
7. New roles and responsibilities
8. Lesson learned -> Obstacles and Recommendations





ASPRID Public Documentation


EXPLORATORY RESEARCH



ASPRID
Airport System Protection from Intruding Drones
Definition of Elements for Scenario Study

Deliverable ID: D1.1
Document ID: ASPRID.WP1.D1.1.CO.V1.0.FINAL.Definition_of_Elements_for_Scenario_Study
Dissemination Level: CO
Work Package: WP1
Task: T1.1
Project Acronym: ASPRID
Grant: 892036
Call: H2020-SESAR-2019-2
Topic: Innovation in Airport Operation
Consortium Coordinator: INTA
Edition date: 05 March 2021
Edition: 1.0
Template Edition: 1.0

Founding Members
 


EUROPEAN PARTNERSHIP 

EXPLORATORY RESEARCH


ASPRID
Airport System Protection from Intruding Drones
Summary of Operational Concept and Architecture Definition

Deliverable ID: D2.6
Dissemination Level: PU
Project Acronym: ASPRID
Grant: 892036
Call: H2020-SESAR-2019-2
Topic: Innovation in Airport Operation
Consortium Coordinator: INTA
Edition date: 11 October 2022
Edition: 01.00.05
Template Edition: 02.00.05

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EXPLORATORY RESEARCH



ASPRID
Airport System Protection from Intruding Drones
DEMO Software for Validation

Deliverable ID: D3.3
Document ID: ASPRID.WP3.D3.3.CO.V1.0.FINAL.DEMO Software for Validation
Dissemination Level: CO
Work Package: WP3
Task: T3.3
Project Acronym: ASPRID
Grant: 892036
Call: H2020-SESAR-2019-2
Topic: Innovation in Airport Operation
Consortium Coordinator: INTA
Edition date: 29 January 2022
Edition: 1.0
Template Edition: 02.00.02

Founding Members
 


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ASPRID
Airport System Protection from Intruding Drones
Summary of Validation Results

Deliverable ID: D3.5
Dissemination Level: PU
Project Acronym: ASPRID
Grant: 892036
Call: H2020-SESAR-2019-2
Topic: Innovation in Airport Operation
Consortium Coordinator: INTA
Edition date: 07 October 2022
Edition: 01.00.04
Template Edition: 02.00.05


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EXPLORATORY RESEARCH

ASPRID
Airport System Protection from Intruding Drones
White Paper on Recommendations for Future Regulations Applicable to the Protection of Airports from Drones

Deliverable ID: D4.3
Dissemination Level: PU
Project Acronym: ASPRID
Grant: 892036
Call: H2020-SESAR-2019-2
Topic: Innovation in Airport Operation
Consortium Coordinator: INTA
Edition date: 26 October 2022
Edition: 01.00.01
Template Edition: 02.00.05

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