

PROJECT

PJ03b SAFE

Airport Safety Nets

Funding: European (Horizon 2020)

Duration: Nov 2016 - Dec 2019

Status: Complete

Total project cost: €13,542,193

EU contribution: €8,228,382



Call for proposal: H2020-SESAR-2015-2

[CORDIS RCN : 206256](#)

Objectives:

Safety is aviation's top priority. To work towards even safer airports, Project 03b SAFE will define, consolidate and validate additional safety barriers to mitigate the risks of runway incursion, runway excursion and more generally the risk of incidents and accidents involving aircraft at the airport. They will be separated into four Solutions:

Solution 'Enhanced airport safety support tools for controllers' will provide Air Traffic Controllers with means to prevent the delivery of conflicting clearances and detect non-conformance to clearances on the entire airport.

Solution 'Conformance monitoring alerts for pilots' will warn pilots when an inconsistency between the aircraft behaviour with either ATC Clearance or procedure is detected.

Solution 'Traffic alerts for pilots for airport operations' is a key feature to significantly decrease the risk of collision with any mobile on runway and taxiways, improving safety on airport surface.

Solution 'Safety support tools for avoiding runway excursions' will address the most frequent type of runway safety accident (22% of all accidents over the 2010-2014 period according to IATA Safety Report). The work will focus on how the risk of runway excursion can be mitigated by on-board and ground systems that could warn pilots, controllers or both when appropriate. This solution requires a better knowledge of runway braking conditions, and can improve the runway capacity and environmental aspects through a better management of decontamination operations.

Methodology:

Dedicated tasks to support standardization activities will be performed in each solution when appropriate.

PJ03b Consortium involves key stakeholders of Airborne Industry, Ground ATM Industry, Service Providers (ATM and Airports), Aerospace Research and EUROCONTROL. Those members of the SJU will cooperate for implementing SESAR 2020 in an efficient, open and timely manner, providing a wide range of expertise and committing together to deliver high-quality results.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Direction De La Navigation Aérienne**Address:**

50, rue Henry Farman
75720 PARIS
France

Organisation Website:

<http://www.aviation-civile.gouv.fr>

EU Contribution: €551,961

Partner Organisations:**Airbus****Address:**

2 ROND POINT EMILE DEWOITINE
31700 BLAGNAC
France

Organisation Website:

<http://www.airbus.com>

EU Contribution: €865,297

Polska Agencja Zeglugi Powietrznej**Address:**

Ul. Wieszowa 8
02N/A147 Warszawa
Poland

EU Contribution: €232,449

Hungarocontrol Hungarian Air Navigation Service**Address:**

Iglo U. 33-35
BUDAPEST
1185
Hungary

EU Contribution: €0

Rizeni Letoveho Provozu Ceske Republiky Statni Podnik**Address:**

Navigacni 787
25261 Jenec
Czech Republic

EU Contribution: €159,123

Stichting Centrum Voor De Ontwikkeling Van Transport En Logistiek In Europa**Address:**

Van Nelleweg 1
3044 BC Rotterdam
Netherlands

Organisation Website:

<http://www.cetle.org>

EU Contribution: €37,834

Flughafen Zuerich Ag -Unique

Address:

Flughafen Kloten
8058 ZURICH-AIRPORT
Switzerland

EU Contribution: €0

Swedavia Ab

Address:

(Swedavia)
190N/A45 Stockholm -Arlanda
Sweden

EU Contribution: €0

Enav

Address:

VIA SALARIA, 16
138 ROME
Italy

Organisation Website:

<http://www.enav.it>

EU Contribution: €35,552

Honeywell Aerospace

Address:

4 AVENUE SAINT GRANIER
31300 TOULOUSE
France

EU Contribution: €444,834

Flughafen Munchen Gmbh

Address:

NORDALLEE 25
85326 MUNCHEN
Germany

EU Contribution: €0

Valstybes Imone Oro Navigacija

Address:

RODUNIOS KEL 2
02188 VILNIAUS
Lithuania

EU Contribution: €0

Eurocontrol - European Organisation For The Safety Of Air Navigation

Address:

Rue De La Fusée 96
1130 Bruxelles
Belgium

EU Contribution: €0**Atos Belgium****Address:**

DA VINCILAAN 5
1930 ZAVENTEM
Belgium

EU Contribution: €0**Aeroports De Paris****Address:**

Boulevard Raspail 291
75014 Paris
France

EU Contribution: €187,684**Deutsches Zentrum Fr Luft Und Raumfahrt E.v****Address:**

Linder Hoehe
51147 KOELN
Germany

Organisation Website:

<http://www.dlr.de>

EU Contribution: €59,657**Avinor As****Address:**

DRONNING EUFEMIAS GATE 6
2061 OSLO
Norway

EU Contribution: €0**Thales Avs France Sas****Address:**

75-77 Avenue Marcel Dassault
33700 Merignac
France

EU Contribution: €92,624**Frequentis Ag****Address:**

Innovationsstrasse 1
1100 WIEN
Austria

Organisation Website:

<http://www.frequentis.com>

EU Contribution: €233,691

Indra

Address:

Avenida de Bruselas, 35
Alcobendas Madrid
Spain

Organisation Website:

<http://www.indra.es>

EU Contribution: €399,651

Heathrow Airport Limited

Address:

NELSON ROAD THE COMPASS CENTRE HOUNSLOW
LONDON
TW6 2GW
United Kingdom

Organisation Website:

<http://www.heathrowairport.com>

EU Contribution: €0

Thales Las France Sas

Address:

Avenue Charles Lindbergh 3
94150 Rungis
France

EU Contribution: €574,630

Dassault Aviation

Address:

9, Rond-Point des Champs-Élysées - Marcel Dassault
75008 PARIS
France

Organisation Website:

<http://www.dassault-aviation.com>

EU Contribution: €395,939

Letove PrevadzkoVe Sluzby Slovenskej Republiky, Statny Podnik

Address:

IVANSKA CESTA 93
823 07 BRATISLAVA
Slovakia

EU Contribution: €155,306

Leonardo - Societa Per Azioni

Address:

Piazza Monte Grappa 4

195 Roma
Italy

EU Contribution: €350,082

Dfs Deutsche Flugsicherung GmbH

Address:

Am DFS-Campus 10
63225 LANGEN
Germany

Organisation Website:

<http://www.dfs.de>

EU Contribution: €237,766

Schiphol Nederland B.v.

Address:

Evert Van De Beekstraat 202
1118CP Luchthaven Schiphol
Netherlands

EU Contribution: €0

Technologies:

Information systems
Air traffic management systems

Development phase: Research/Invention

Safety systems
Safety and certification
testing

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Infrastructure Node