Deployable SAR Integrated Chain with Unmanned Systems

From 2012-03-01 to 2015-02-28, closed project | DARIUS Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 10 645 581</td>
<td>SEC-2011.4.2-2 - Unmanned search and rescue solutions - Integration Project</td>
</tr>
<tr>
<td>EU contribution:</td>
<td>Call for proposal:</td>
</tr>
<tr>
<td>EUR 7 475 830</td>
<td>FP7-SEC-2011-1</td>
</tr>
<tr>
<td>Coordinated in:</td>
<td>Funding scheme:</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>CP-IP - Large-scale integrating project</td>
</tr>
</tbody>
</table>

Objective

"Unmanned systems through military programs and numerous R&D projects are now becoming operationally mature. Their use in Search and Rescue operations can now be envisaged to enhance first responder capabilities and intervene in hazardous areas. For cost and procedural reasons however, the market is still very fragmented and business models are unclear. The DARIUS project will leverage previous R&D efforts on technologies and possible added-value of these systems for situation awareness to envisage their adaptation and integration in complex multi-national/agency SAR operations. The main objective of DARIUS is to reach effective levels of interoperability so these systems can be shared between several organisations. This objective will be achieved in designing a Generic Ground Station with associated proposed standards, a full integration in the command and control cycle and a consistent communication network. In addition, DARIUS will adapt the existing unmanned systems and their payloads (air, ground and maritime) to the specificities of the Search and Rescue missions. DARIUS solutions will be evaluated in real conditions through 3 scenarios (Urban, forest fires and maritime SAR) designed by the end-users. The project will be implemented under the control of a wide panel of fully committed end-users. It will be performed following an optimised structure and with flexible and proven procedures. The DARIUS consortium encompasses several end-users, major players in the domain of C4I and large system integration, unmanned system solution providers, SMEs that will bring innovative solutions and support the integration and RTOs that will further develop novel technologies. The expected impact from DARIUS is the better integration of the systems in real operations and in enhancing the safety of citizens. The economic studies will enable the production of a relevant business model and will better enable RTO and industry to exploit the results of the projects."

Related information

- Result In Brief
  - Unmanned systems for search and rescue

- Report Summaries
  - Periodic Report Summary 1 - DARIUS (Deployable SAR Integrated Chain with Unmanned Systems)
  - Periodic Report Summary 2 - DARIUS (Deployable SAR Integrated Chain with Unmanned Systems)
**Unmanned Systems**

**News**

- Developing the potential of unmanned systems in search and rescue operations

---

**Coordinator**

BAE Systems (Operations) Ltd
Warwick House
GU14 6YU FARNBOROUGH
United Kingdom

Administrative contact: Helen Eldridge
Tel.: +44 1634 204175
E-mail

**EU contribution:** EUR 842 858

---

**Participants**

CASSIDIAN SAS
1 BOULEVARD JEAN MOULIN - ZAC DE LA CLEF SAINT PIERRE
78990 ELANCOURT
France

Administrative contact: Philippe Chrobocinski
Tel.: +33607798307
E-mail

**EU contribution:** EUR 790 637

DFRC AG
Grafenaustrasse 7
CH-6300 Zug
Switzerland

Administrative contact: Erel Rosenberg
Tel.: +41 31 511 85 12
E-mail

**EU contribution:** EUR 632 200

SKYTEK LTD
3-4 Merrion Place
NA DUBLIN 2
Ireland

Administrative contact: Sarah Bourke
Tel.: +353 16787660
Fax: +353 16787636
E-mail

**EU contribution:** EUR 561 400

TELINT RTD Consultancy Services LTD
WESTFERRY CIRCUS 1 2ND FLOOR CANARY WHARF
E14 4HD London
United Kingdom

Administrative contact: Effie Makri
Tel.: +306942046879
E-mail

**EU contribution:** EUR 386 350
EU contribution: EUR 374 440

EU contribution: EUR 836 459

EU contribution: EUR 700 000

EU contribution: EUR 626 600

EU contribution: EUR 802 642

EU contribution: EUR 410 800

Office National d'Etudes et de Recherches AEROSPATIALES

Avenue de la Division Leclerc 29
92322 CHATILLON
France

Administrative contact: Jean-Louis Forget
Tel.: +33562252530
Fax: +33562252534
E-mail

STIFTELSEN SINTEF

Strindveien 4
7465 TRONDHEIM
Norway

Administrative contact: Jan Håvard Skjetne
Tel.: +47 22067871
Fax: +47 22067350
E-mail

ECA SA

"Rue des Freres Lumiere, Zone Industrielle de Toulon Est 262"
83078 Toulon
France

Administrative contact: Patrick Peras
Tel.: +33678628992
E-mail

National Technical University of Athens - NTUA

HEROON POLYTECHNIION 9 ZOGRAPHOU CAMPUS
15780 ATHINA
Greece

Administrative contact: Georgia Mertzelou
Tel.: +302107721348
Fax: +302107724181
E-mail

Center for Security Studies

P. Kanellopoulou St 4
10177 Athens
Greece

Administrative contact: Georgios Leventakis
Tel.: +30 6978994406
Fax: +30210 7481995
E-mail
ECOMED bvba
Huart-Hamoirlaan 68
1030 Brussel
Belgium
Administrative contact: Geert Seynaeve
Tel.: +32 473 121437
Fax: +32 2 2156469
E-mail

EU contribution: EUR 174 240

CORK INSTITUTE OF TECHNOLOGY
ROSSA AVENUE BISHOPSTOWN
CORK
Ireland
Administrative contact: Thomas Tuohy
Tel.: +353 21 433 5623
E-mail

EU contribution: EUR 187 696

ENTENTE POUR LA FORÊT MÉDITERRANÉENNE
"Centre Francis Arrighi, Domaine de Valabre"
13120 Gardanne
France
Administrative contact: Sonia Cali-Vasconcelos
Tel.: +33 4 42 60 86 50
E-mail

EU contribution: EUR 149 508

Subjects

Scientific Research

Last updated on 2015-03-10
Retrieved on 2016-01-22

© European Union, 2016