



HORIZON
2020

C-BORD

Project reference: 653323

Funded under:

H2020-EU.3.7 - Secure societies - Protecting freedom and security of Europe and its citizens

effective Container inspection at BORDER control points

From 2015-06-01 **to** 2018-11-30, ongoing project

Project details

Total cost: EUR 11 826 452,5	Topic(s): BES-09-2014 - Supply Chain Security topic 2: Technologies for inspections of large volume freight
EU contribution: EUR 11 826 452,5	Call for proposal: H2020-BES-2014 See other projects for this call
Coordinated in: France	Funding scheme: RIA - Research and Innovation action

Objective

Efficient NII (non-intrusive inspection) of containerised freight is critical to trade and society. Freight containers are potential means for smuggling (e.g. tobacco), illegal immigration, trafficking of drugs, mis-declared goods and dangerous illicit substances, including explosives, nuclear material, chemical and biological warfare agents and radioactively contaminated goods. One inspection NII technology cannot cope with all these targets.

The C-BORD Toolbox and Framework will address all these targets and enable customs to deploy comprehensive cost-effective container NII solutions to potentially protect all EU sea- and land-borders, satisfying a large range of container NII needs.

The C-BORD Toolbox will include 5 complementary innovative detection technologies: delivering improved X-rays, Target Neutron Interrogation, Photofission, Sniffing and Passive Detection. User interfaces and data will be integrated to optimise effectiveness and efficiency of end-users and systems.

The C-BORD Framework will help customs analyse their needs, design integrated solutions, and optimise the container inspection chain; it will address detection levels, false alarm levels, throughput, health & safety, logistics and cost & benefits.

C-BORD will increase the probability of finding illicit or dangerous content with at least equal throughput of containers per time unit, reduce the need for costly, time-consuming and dangerous manual container inspections by customs officials, and in case a container is opened, increase the probability of finding illicit materials. C-BORD involves stakeholders from 8 EU countries, as partners (5) and advisory group members (3). On 3 custom sites integrated solutions will be trialled, respectively addressing the needs of big seaports, small seaports and mobile land-borders. To optimise sustainable impact, C-BORD will actively engage with a large community, will support policy implementation, evolution and start early exploitation planning.

Coordinator

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
RUE LEBLANC 25
75015 PARIS 15
France

France

EU contribution: EUR 3 669 730

Participants

ARTTIC
RUE DU DESSOUS DES BERGES 58A
75013 PARIS
France

France

EU contribution: EUR 916 457,5

Hochschule Bonn-Rhein-Sieg
Grantham-Allee 20
53757 Sankt Augustin
Germany

Germany

EU contribution: EUR 414 522,5

COSTRUZIONI APPARECCHIATURE ELETTRONICHE NUCLEARI C.A.E.N. SPA
VIA VETRAIA 11
55049 VIAREGGIO
Italy

Italy

EU contribution: EUR 349 576,25

CHAMBRE DE COMMERCE ET D'INDUSTRIE DE REGION PARIS-ILE-DE-FRANCE
AVENUE DE FRIEDLAND 27
75008 PARIS
France

France

EU contribution: EUR 230 910

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
HANSASTRASSE 27C
80686 MUNCHEN
Germany

Germany

EU contribution: EUR 508 926,25

MAGYAR TUDOMANYOS AKADEMIA ENERGIATUDOMANYI KUTATOKOZPONT
KONKOLY THEGE MIKLOS UT 29-33
1121 Budapest
Hungary

Hungary

EU contribution: EUR 239 277,5

NARODOWE CENTRUM BADAN JADROWYCH
ULICA ANDRZEJA SOLTANA 7
05400 OTWOCK
Poland

Poland

EU contribution: EUR 703 157,5

OSLO CENTER FOR SCIENCE IN SOCIETY
MELTZERS GATE 1
0257 OSLO
Norway

Norway

EU contribution: EUR 127 708,75

MINISTERIE VAN FINANCIEN DIRECTORAAT GENERAAL BELASTINGDIENST
PRINSES BEATRIXLAAN 512
2595 BL DEN HAAG
Netherlands

Netherlands

EU contribution: EUR 301 718,75

SYMETRICA SECURITY LTD
BOTLEY ROAD 39 ROMAN HOUSE NORTH BADDESLEY PHI HOUSE
SO52 9AB SOUTHAMPTON
United Kingdom

United Kingdom

EU contribution: EUR 923 138,75

SMITHS HEIMANN SAS
Rue CHARLES HELLER 36
94400 VITRY SUR SEINE
France

France

EU contribution: EUR 1 398 788,75

UNIVERSITA DEGLI STUDI DI PADOVA
VIA 8 FEBBRAIO 2
35122 PADOVA
Italy

Italy

EU contribution: EUR 1 035 225

THE UNIVERSITY OF MANCHESTER
OXFORD ROAD UNIVERSITY OF MANCHESTER OFFICE OF DIRECTOR OF FINANCE
M13 9PL MANCHESTER
United Kingdom

United Kingdom

EU contribution: EUR 491 245

IZBA CELNA W GDYNIA
UL POLnocna 9 A
81 029 GDYNIA
Poland

Poland

EU contribution: EUR 80 925

NEMZETI ADO-ES VAMHIVATAL
SZECHENYI U. 2
1054 BUDAPEST
Hungary

Hungary

EU contribution: EUR 140 868,75

JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION
Rue de la Loi 200
1049 BRUSSELS
Belgium

Belgium

EU contribution: EUR 228 012,5

AGENZIA DELLE DOGANE
VIA CARUCCI MARIO 71
00143 ROMA
Italy

Italy

EU contribution: EUR 66 263,75

Last updated on 2016-08-04

Retrieved on 2016-09-09

Permalink: http://cordis.europa.eu/project/rcn/194848_en.html

© European Union, 2016