

Partnering Opportunity

Profile status : Published

Research Development Request

Seeking partners with human factors expertise to join bid for Horizon 2020 SU-BES02 Border & External Security for 'walk through' airport process

Summary

A UK company & researcher seek consortium partners to apply for H2020 funding to develop a comprehensive, new digital re-engineering paradigm for airline passengers and operational stakeholders, enabling genuine Terminal 'walk-through' capability. Seeking companies/researchers with human factors research & development expertise to guide digital development to ensure users are able to interact intuitively in the process, via a research cooperation agreement.

Creation Date	28 February 2020
Last Update	27 March 2020
Expiration Date	15 August 2020
Reference	RDUK20200228001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/2cc58d31-1708-4953-8ebb-0df9762af694

Details

Description

Most of the world's hub airports i.e. those processing more than 40 million passengers per annum currently, face passenger growth levels that likely require continuous physical expansionist development as passenger numbers continue to trend inexorably upward. Inherent at airports, passenger terminals in particular, are increasing constraints on finding suitable locations, adjacent to runway infrastructure, able to provide new infrastructure for increased passenger handling.

The act of processing constantly increasing numbers of passengers - outbound, inbound and transit - requires new, fast and detailed development of integrated and co-operational activity to deliver operational outcomes that genuinely enable majority of airline customers to walk-through from kerb-side to aircraft seat.

A UK researcher and company have developed a new, operationally feasible process to achieve this, based upon an existing and viable concept and enabled through detailed development of disruptive and other developing technologies e.g. Blockchain DLT (digital ledger technology) and AI (artificial intelligence).

The system is able to meet the challenges that require appropriate solutions across a mix of secure process activities. And vitally, for all operational stakeholders and equipment vendors, embrace this activity working with concepts and technological expertise, taking ownership as matters reach testing and delivery.

There is a specific requirement for significant human factors research & development expertise, guiding the project's digital development to ensure users i.e. travellers and operational stakeholders are able to interactively understand and operate intuitively.

The aim is develop this digital technology in a way that improves passenger interaction from point of flight booking on-line through to delivering cogent demonstrations of how to interact with new technological introductions that will benefit and positively affect their experiences and journey through terminals in due course.

Collaborators do not have to have specific expertise in airports or the movement of passengers, and they are seeking partners via research development cooperation.

Deadline for the call: 27 August 2020

Deadline for expressions of interest in this profile: 15 August 2020

Keywords

Technology

01003006	Computer Software
01003013	Information Technology/Informatics
01003014	Internet Technologies/Communication (Wireless, Bluetooth)
01003023	Environmental and Biometrics Sensors, Actuators
02010003	System and transportation

Market

01004002	Data communication components
02007001	Systems software
09001001	Airlines
09001006	Airfield and other transportation services

NACE

H.51.1.0	Passenger air transport
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J.61.9.0

Other telecommunications activities

M.74.9.0

Other professional, scientific and technical activities n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIwersYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI: **Yes**

Dissemination

Restrict dissemination to specific countries

Belgium, France, Germany, Netherlands, Norway, Spain, Sweden, Switzerland

Client

Type and Size of Organisation Behind the Profile

Industry >500

Year Established

0

Already Engaged in Trans-National Cooperation

No

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

Type: Industry/academia

Activity: Human factors expertise

Specific role of partner sought: Employ their expertise towards the development of a process of genuine 'walk-through' access to airports.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

H2020 SU-BES02 Border and External Security

Submission and evaluation scheme

Single-stage

Anticipated Project Budget

£21 million

Coordinator required

Yes

Acronym

BRITES

Duration

48 days

Deadline for EOI

15 Aug 2020

Deadline of the Call

27 Aug 2020

Weblink to the call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/su-bes02-2018-2019-2020>

Attachments
