Partnering Opportunity

Research Development Request

Horizon Europe: Cyber-security partner sought for Civil Security cluster bid related to airport security

Summary

A UK company is seeking a final ICT consortium partners for participation within Horizon Europe Cluster 3: Civil Security for Society based upon draft Call Horizon -CL3-2021-BM-01-03+, They are developing new paradigm digital re-engineering paradigm border controls enabling genuine Terminal 'walk-through' capability. They are seeking an organisation experienced in Distributed Ledger Technologies logging and validating high volume data (eg.identity verification) via research cooperation.

Creation Date	10 May 2021
Last Update	13 May 2021
Expiration Date	07 June 2021
Reference	RDUK20210510001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/0360401b-f8bc-4a82-abef-f5c48a71a889

Details

Description

Many of the planets' airports, seaports and land borders i.e. those processing more than 40m travellers prior to Covid-19, likely to face rapid traveller growth 2022 / 2023 and beyond, now have real opportunities to initiate new operational standards and traveller experiences through introduction of digital paradigms and unique developments that will deliver significant uplift in security, productivity and deliver OPex economics. Whilst, mitigating physical expansionist development needs even as growth trends upward. Inherent at Borders: terminals in particular, there are increasing constraints on finding additional, suitable locations, adjacent to runway, seaport infrastructure, offering infrastructure for increased traveller handling.

The act of processing increasing numbers of passengers - outbound, inbound and transit - requires new, fast and unique 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 seat. This is attained through key digital development enabling a process is a walk-through – no-touch experience, at a constant process speed.

The UK company is seeking an organisation experienced in Distributed Ledger Technologies logging and validating high volume data (eg. identity verification capability etc) within EU Schengen Border Control organisations, to complete their consortium, via research cooperation agreement.

Deadline for EOIs in this profile: 7 June 2021
Deadline for the call: The deadlines have not yet been announced - the call is expected to open at the end of May 2021.

Advantages and innovations

Research includes scalability and iterative testing from early proof of concept through to real world testing in conjunction with selected hub airport(s) and operational stakeholders and a demographic spread of 'passengers'.

A UK researcher and innovation organisation have developed conceptually 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.

The system is also adaptable in meeting 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.

Technical Specification or Expertise Sought

An organisation experienced in Distributed Ledger Technologies logging and validating high volume data (eg.identity verification capability etc) within EU Schengen Border Control organisations

Stage of development

Project already started

Keywords

Technology

01003006	Computer Software
01003009	Data Protection, Storage, Cryptography, Security
01003010	Databases, Database Management, Data Mining
01003013	Information Technology/Informatics
01003015	Knowledge Management, Process Management

Market

02003	Specialised Turnkey Systems

02006004	Data processing, analysis and input services
02007002	Database and file management
02007006	Other system software

NACE

H.51.1.0	Passenger air transport
J.62.0.1	Computer programming activities
J.62.0.9	Other information technology and computer service activities
J.63.1.1	Data processing, hosting and related activities
M.74.9.0	Other professional, scientific and technical activities n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI: Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2020

Turnover

<1M

Already Engaged in Trans-National Cooperation

No

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

Type: Industry
Activity: ICT
Specific role of partner sought: Distributed Ledger Technologies system use - logging and validating high volume data (eg.identity verification capability) within EU Schengen Border Control organisations. Expertise within secure wide area (WAN) digital networks - context secure i.e. encryption and cyber protected network.

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

Horizon Europe Annex 3 - Cluster 3: Civil Security for Society - based upon draft Call Horizon - CL3-2021-BM-01-03. Please note the call will be announced soon so the deadline of the call listed as 14 June is subject to change.

Submission and evaluation scheme

    Single Stage

Anticipated Project Budget

    €4m

Coordinator required

    No

Acronym

    BRITES

Duration

    96 days

Deadline for EOI

    07 Jun 2021

Deadline of the Call

    14 Jun 2021

Attachments