

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

- **SCHEDA**
- **APPROFONDIMENTI**

Identificativo proposta: RDUK20200228001

**RICHIEDI MAGGIORI INFORMAZIONI**

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.

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

**Riferimento Esterno:** RDUK20200228001

**Tipo:** R&D Proposal

**Paese:** United Kingdom

**Presentazione:** 28/02/2020

**Ultimo aggiornamento:** 27/03/2020

**Scadenza:** 15/08/2020