

HORIZON
2020

A groundbreaking smartlock system to increase security and control of entry points

Fact Sheet

Project Information

Digital Keys

Grant agreement ID: 711714

[Project website](#) 

DOI

[10.3030/711714](https://doi.org/10.3030/711714) 

Project closed

EC signature date

9 December 2015

Start date

1 December 2015

End date

31 March 2016

Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

LEAPIN DIGITAL KEYS LIMITED

 United Kingdom

Objective

LEAPIN has developed a new type of access control and unlocking system. Digital Keys is a Software Development Kit that utilises apps and web-based software to set, send, receive and revoke time sensitive one-time use passwords (keys) to provide access anytime anywhere. A secure encrypted technology is used to overcome concern related to fear of hacking and security. The traditional magnetic stripe technology is outdated and the system is subject to regular failures. The

installation of innovative smartlocks delivers a more reliable and secure system. LEAPIN's patented technology allows Digital Keys users to open doors with their smartphones, to self check-in to accommodation/assets with their smartphones, to web check-in to their accommodation/assets, to continue to use keycards linked with Near Field Communications and enable complete self-management of accommodation without human interaction. Digital Keys require no supporting network infrastructure through the use of a one-time password cloud based software. The flexibility of remotely controlling and managing access to properties provides convenient accessibility and does not restrict operating hours. Within the overall project, LEAPIN aims to: implement Near Field Communication technology and Bluetooth Low Energy technology features into the LEAPIN Software Development Kit; undertake at least three pilot trials of the smart lock in hotels in 3 EU countries; undertake a market replicability test of the software platform and its functionality; and establish a sound marketing and commercialization strategy.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [computer security](#) > **[access control](#)**

[natural sciences](#) > [computer and information sciences](#) > **[internet](#)**

[natural sciences](#) > [computer and information sciences](#) > [software](#) > **[software development](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [information engineering](#) > [telecommunications](#) > [radio technology](#) > **[bluetooth](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [information engineering](#) > [telecommunications](#) > **[mobile phones](#)**



Programme(s)

[H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies \(ICT\)](#) MAIN PROGRAMME

[H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument](#)

Topic(s)

[ICT-37-2015-1 - Open Disruptive Innovation Scheme \(implemented through the SME instrument\)](#)

Call for proposal

[H2020-SMEInst-2014-2015](#)

[See other projects for this call](#)

Sub call

H2020-SMEINST-1-2015

Funding Scheme

[SME-1 - SME instrument phase 1](#)

Coordinator



LEAPIN DIGITAL KEYS LIMITED

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

72 GREAT SUFFOLK STREET
SE1 0BL LONDON

 United Kingdom 

SME 

Yes

Region

London > Inner London — East > Lewisham and Southwark

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 11 August 2022

Permalink: <https://cordis.europa.eu/project/id/711714>

