Mobile high-resolution 3D-Scanner and 3D data analysis for forensic evidence fast track to innovation

Fact Sheet

Project information

3D-Forensics/FTI

Grant agreement ID: 700829

Project website

Status
Closed project

Start date
1 July 2016

End date
31 December 2018

Funded under:
H2020-EU.3.
H2020-EU.2.

Overall budget:
€ 1 582 383,75

EU contribution
€ 1 219 388,63

Coordinated by:
LUCAS INSTRUMENTS GMBH
Germany

Objective

Crime is a major factor in reducing the level of civil security. The percentage of solved crime is less than 70% in more than half of the EU countries in some it is less than 50%. A very important part of crime investigation is the capturing and analysis of forensic evidence. In High Volume Crimes, such as burglary, a common trace type are footwear and tyre track traces. At present the recording and analysis of such traces can only be mitigated (if at all) through time consuming procedures. In the last years the FP7 project 3D-Forensics (www.3D-Forensics.eu) developed and evaluated a promising approach to fill gaps in the performance of actual tools. Footwear and tyre traces are captured using modern optical 3D-scanning technology and investigated using a 3D analysis software focussed on forensic end users. The project culminated in the demonstration of the system prototype outdoors under the same conditions of those typically found at crime scenes by the Dutch police from the region of Zeeland West-Brabant.

3D-Forensics / FTI will bridge the so called “valley of death” between a successful research and technological development and market introduction of innovation. It will finish off the footwear and tyre trace 3D scanning and analysis idea from an already advanced project output to make it market mature and ready for launch. In essence 3D-Forensics / FTI will implement the last steps identified as necessary at the end of the previous FP7 project. The resulting advanced prototypes will be tested, including in “round...
tests by six forensic end users for performance verification and in a further phase the prototypes from a pilot line with the same or very similar specifications as the first product to be launched will be validated in a relevant accredited process. Communication with the forensic community together with the feedback from the testing and validation exercises will enable our business model to be fine-tuned and validated.

Field of Science

/social sciences/economics and business/business and management/commerce
/social sciences/economics and business/business and management/business model
/natural sciences/computer and information sciences/software
/social sciences/economics and business
/natural sciences/computer and information sciences/data science/data analysis

Programme(s)

H2020-EU.3. - PRIORITY 'Societal challenges'
H2020-EU.2. - PRIORITY 'Industrial leadership'

Topic(s)

FTIPilot-1-2015 - Fast Track to Innovation Pilot

Call for proposal

H2020-FTIPilot-2015-1

See other projects for this call

Funding Scheme

IA - Innovation action

Coordinator
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<td>Hermann Lons Strasse 2 07745 Jena Deutschland</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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<td>Hansastrasse 27c 80686 Munchen</td>
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