



UMANICK FIWARE Short Profile

April 2016

Accelerator



FICHE

Project and Organization



UMANICK Identity 4 Health
UMANICK Technologies, S.L.

Country

Spain

Project Abstract

Healthcare processes are designed to heal us when we are ill. But unfortunately, there are errors in healthcare processes that harm the patients' health with new diseases. In fact, the World Health Organization has determined 9 areas to improve to prevent or mitigate patient harm stemming from healthcare processes. Patient identification is the second most important among them: "The widespread and continuing failures to correctly identify patients in hospitals and other medical centres often leads to medication, transfusion and testing errors; surgical operations to wrong patient and other wrong person procedures; and the discharge of infants to the wrong families". There are other significant problems arising from unsecure patient identification, such as: fraud by patient identity theft; economic losses in the healthcare organisations; and 'second victims', the healthcare professionals that suffer when involved in an error that harms a patient.

UMANICK is committed to patient safety. UMANICK has developed a secure patient identification solution, UMANICK Identity for Health, that works specifically to avoid patient harm stemming from identification errors in healthcare processes at hospitals and medical centres. UMANICK Identity for Health is a complete suite of multi-biometric software that uses the most advanced biometric technologies: fingerprint, iris, face, and voice recognition. Biometrics is the only way to unequivocally, safely and securely identify a person as a unique individual. Nothing to lose, be stolen or damaged (as cars or ID wristbands), and nothing to forget or being hacked (as names or passwords). Patients are identified by their fingerprints, iris or face when entering the hospital or medical centre and before any medical procedure. UMANICK's technology has the following main features:

- Uses state of the art biometric fingerprint, iris and face recognition algorithms.
- 360 Identity: It manages biometric and biographical information, as well as ID cards and other documents.
- Scalable: UMANICK Identity for Health manages biometric databases from tens of thousands up to millions of persons.
- Powerful: identification in 2-3 seconds even on databases of millions of people.
- License or Cloud: It can be deployed in both the client's local IT infrastructure or Cloud
- Works on any PC, with any Internet browser, and in smartphones and tablets.



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- Easy integration with the hospital or medical centre processes and information systems (HIS, EMR, or other), through health standard HL7 and web services API. It uses standard fingerprint and iris sensors from multiple vendors.

UMANICK Identity for Health has four main benefits:

- No more patient harm due to wrong identifications.
- Zero fraud by patient identity theft.
- Reduction in healthcare spending.
- Zero 'second victims'.

Sector

Human Health and Social Work Activities

Target Market

B2B

Business Model

License model; Subscription model

SMART CITY SOLUTION	YES
CLOUD SOLUTION	YES
SOCIAL MEDIA SOLUTION	NO
MOBILE SOLUTION	NO
BIG DATA/ANALYTICS SOLUTION	YES
IOT	NO

Website

www.umanick.com