MF & Partners Consulting

Management & Ressources Humaines

NGELS

augmented network generating learning on safety

AUGMENTED REALITY FOR SAFETY TRAINING AT WORK

A RISK CONCERNING US ALL

ANGELS Augmented Network GEnerating Learning on Safety is a two-year research project (2012-2013) co-financed by the European Union dealing with risks and health issues at work, in particular in a hospital environment. Eventually, the training tool that will be developed could be adapted to any other professional sector such as the industrial one.

AN INTERCULTURAL MULTIDISCIPLINARY TEAM

The research team consists of a university hospital which pilots the project, a specialised training centre, a university, two training companies and a Software Engineering Company coming from four European countries (Czech Republic,France, Italy and Spain), gathering together all the necessary skills and knowledge (health,training, psychology, computing).

AN INNOVATIVE PROJECT . . .

ANGELS aims at developing a prevention and training tool using the augmented reality, which means three-dimensional virtual pictures incorporated into real images. The advantage of this process is to be associate other contents to the already existing ones.

. . . IN DIRECT DRIVE ON REALITY

At their workplace, the users will receive information directly sent, via WI-FI, on their touchpad connected to the **ANGELS** application.

ANGELS by example :

We can decide, for instance, to send some informative elements to a doctor or a nurse equipped with a touchpad while moving in a regulated area of the hospital, such as the radiology. department.

ANGELS is going to make sure that they carry their radiation dosimeter or that they put on a lead apron or still that they did not exceed the number of authorised visits, in this zone, at a given period, by reminding them the safety instructions in radiology.

In this case, the real elements are the hospital and its various departments and the virtual elements are the icons representing a radiation dosimeter or a lead apron.

These elements will appear, at a convenient moment, when it will be necessary to make sure that the staff respects the safety instructions in the radiology area.

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ANGELS

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Agence exécutive
"Éducation, audiovisuel et culture"

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