

PRESS RELEASE

ICOLLWARE LTD. OFFERS OUTSTANDING 3D MODELING AND DATA RECORDING TOOLS, RECORDKEEPING AND DOCUMENTING SOFTWARE AND OTHER SOLUTIONS REPRESENTING THE HIGHEST TECHNOLOGICAL LEVEL IN THE FIELD OF FORENSIC, POLICE AND DISASTER CONTROL WORK.

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The iCollWare project, launched in September 2011 and ending in June 2013, approaches to a successful conclusion. The research and development have been focused on supporting forensic work and the related criminal, disaster control and medical forensic areas by developing cutting-edge IT solutions. Using 3D scanners, three-dimensional data capture and modeling of accidents, crime and fire scenes were carried out by researchers examining the applicability of these devices. Complex software solutions have been developed to facilitate the work of forensic experts, including the case management framework system and the necropsy application for tablet computers.

A three-dimensional, photorealistic digital model of the accident and crime scene, evidences, the disaster stricken area or a corpse, its injuries can be created by high-tech scanners.

The expensive equipment, the sophisticated processing and the requirement of trained personnel are usually mentioned as disadvantages of a state of the art technology like three-dimensional scanning and processing. These cons are increasingly deniable; the proposed solutions are affordable to domestic experts. 3D scanners are increasingly more accurate, more reliable, less expensive, while they can be easily moved and are simple to control. The devices take detailed pictures of the scene in a few minutes, with the accuracy even higher than a millimeter. The generated three-dimensional model later can virtually be walked through, much like in computer games.

The body's surface, the injuries or even the objects caused the injury can be surveyed by the scanner, and further tests and simulations can be conducted with the thus generated model. In the model the position of the objects can be accurately determined, the distances are easy to measure, but the technology also offers effective investigative tools, such as bullet trajectory reconstruction. It offers faster and more accurate method to test the footprint and the alleged agreement of shoes found at the scene. The usefulness and the speed of the device are well characterized by the fact that its use at a road accident scene investigation may reduce the necessary road closure time significantly, even by half.

In Hungary no IT application is available that would comprehensively support the forensic work, the procedures are not harmonized, neither are automated. The main software product of the project is a complex framework system covering horizontally the medical forensic work. Its functions, services - such as electronic case management, support of document templates, electronic communication, and delivery of statistics - can be useful tools not only to the medical, but to any other area of the forensic work. The digital necropsy designed for mobile platform offers convenient, fast and attractive way of accurate data recording on touchscreen devices that have become part of our everyday life.