



Institute for
Digital Crime Scene Reconstruction

www.dcsr.com

DCSR

The company was founded in the year 2003 as a spin-off of University of Basel, Switzerland.

The goal of DCSR is to build up digital crime scene documentation, digital crime scene management and n-dimensional integrated crime scene models.

DCSR supports you with its expert knowledge and know-how in forensic disciplines. DCSR works together with international scientists and institutions like German BKA, public prosecutors and institutes for legal medicine.

Our Vision

DCSR is the leading international institute for digital crime scene reconstruction. The development of new procedures using the upcoming information- and communication-technology (ICT) for criminal investigation, forensic medicine and prosecution authorities are the basis for a better integration of all informations on the crime scene and to more accurate, more effective and more efficient reconstruction of a crime.

Digital Crime Scene Management and Business Process Engineering (BPE) in Forensics

Digital Crime Scene Management is an integral approach to forensic supported by digital methods that emerge more and more in forensics.

These new methods produce a new integral approach to forensic understanding and cooperation between specialists. This digital age asks for new models of data management as well as new methods to maintain and continuously improve credibility and acceptance on court.

Forensic Business Engineering (FBE), designed also for non-profit organisations, and Digital Crime Scene Management (DCSM) can help.

Forensic Business Engineering (FBE)

Forensic business engineering consists in the four main layers:

- **Vision:** Help judges understand what really happened at crime scene.
- **Strategy:** Integrate all available digital data to one forensic platform
- **Processes:** From crime scene documentation to presentation on court
- **Systems:** Applications, software and databases

Therefore FBE aims to establish new, future oriented forms of business cases but with reference to existing or emerging needs. Business Engineering in common is related with the area of future technology. To abstract it, FBE combines the established with a completely new business approach in a modern business environment.

Our Services

Crime Scene Reconstruction

DCSR is always on stand by with its equipment to scan and reconstruct your crime scene. DCSR also provides bloodstain pattern analysis, furnishes you with an expert opinion and prepares 3D data for presentation on court.



DCSR is experienced in presenting 3D models on court and is approved.

DCSR works for

- Governments
- Prosecutors
- Police forces (mainly forensic /criminal divisions & traffic police forces)
- Insurances
- Lawyers and individuals

DCSR uses appropriate methods depending on the situation at your scene and as result you get a three-dimensional reconstruction of the investigated scene. With various measures a digital model results.

As a DCSR customer you get:

- A 3D model including a viewer. On any Windows based PC you can walk around in the crime scene and carry out surveys and measurements independently.
- The raw data (scanner data, photographs, close-up photos)
- Answers to your questions in a report written by our forensic scientists
- If possible and requested, a bloodstain pattern analysis



- Distances and size measurements of objects
- Presentation of trajectories of fast objects (projectiles)

Optional and if possible:

Dynamic processing of events in all probable variants by import and re-enactment (animation) of moving objects and persons.

Interactive discussion of your case at your location, or via a secure network across long distances by teleforensics.

Report Revalidation

You can call DCSR also for your second opinion on your cases. We revalidate criminal reports with the approved DCSR methods.

Providing Crime Scene Experts

We offer you our crime scene experts. Profit from our expertise and independency.

Consulting

You intend to purchase forensic equipment like 3D scanners or to implement data management concepts in your organisation - DCSR consults you.

For all your educational needs in DCSR topics we are at your disposal.

DCSR can support you with its experience. We also are in continuous contact with the best suppliers of forensic hard- and software.

DCSR
Yes, we scan!

Education



Education of your employees is one of the most important points to achieve success.

DCSR develops and implements concepts for your education and trainings.

We create education plans and build the training according to your desires and needs.

We train at your place (class room), but we also offer lessons on the internet (e-learning) or blended learning.



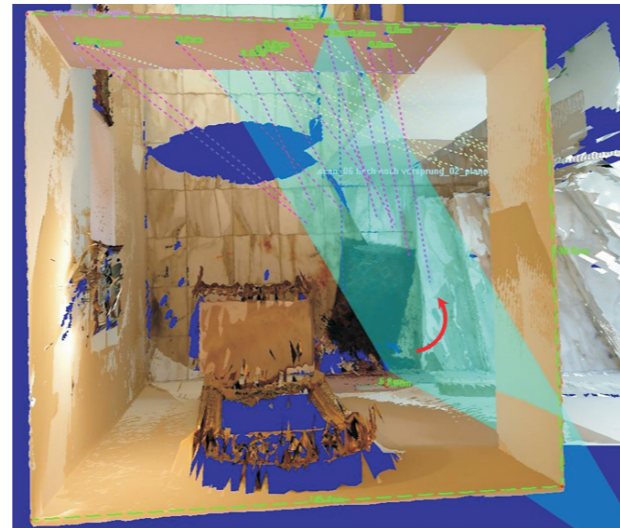
Forensic Radiology

Modern forensic radiology is based on common scans from computer tomography and MRIs (magnet resonance imaging) that are computed to a digital 3D model.

This data can be imported into a 3D crime scene model to obtain the fully integrated crime scene model. Within this model re-enactment of the dynamic crime scene is possible

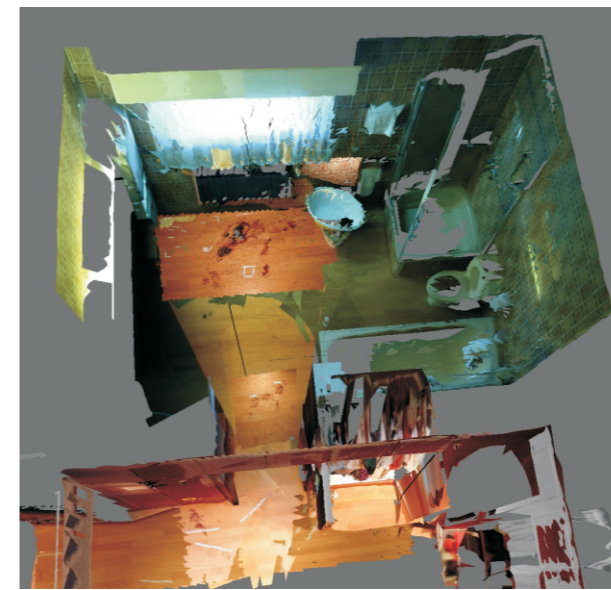
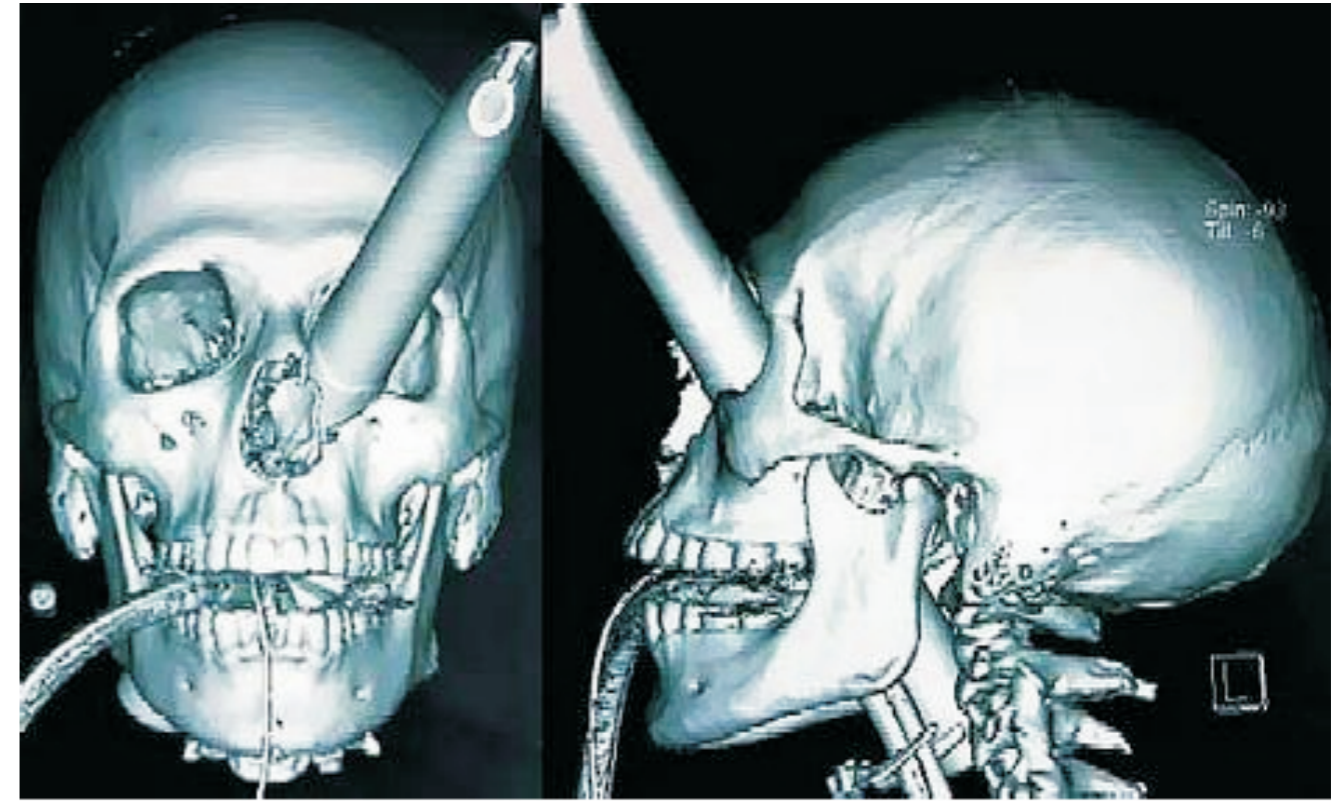
3D Model of Skull >>

Examples



Bloodstain Pattern Analysis

3D Model of a Crime Scene >>



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