



Virtofy Business Case: Virtual reality training with 3D-scanned scenarios

Executive Summary

The use of Virtofy as an efficient virtual reality (VR) software solution offers **a new approach to training and education**. The following is an example of how this was implemented at a German police training centre. By using VR, investigators can **virtually visit and interact with 3D-scanned crime scenes**, enabling realistic and detailed investigations without the need to travel, visit or recreate real crime scenes. This innovation results in **significant time and cost savings** while maintaining the integrity of the actual crime scenes.

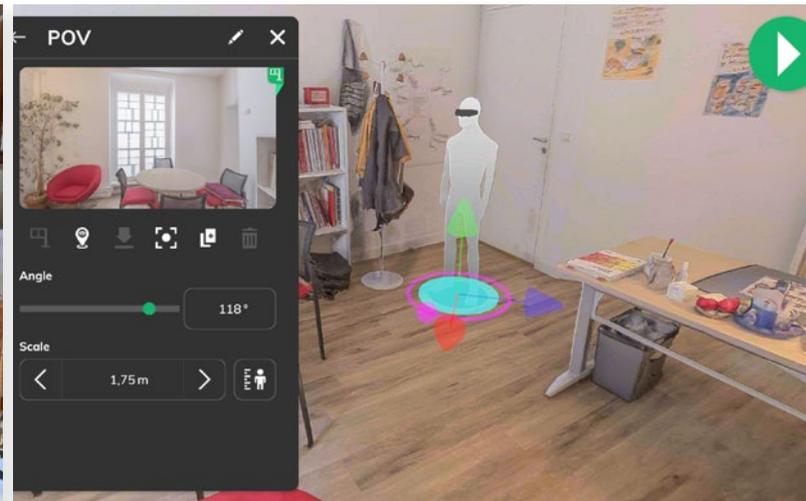
The police training centre's challenge

They were looking for a safe, efficient way to conduct extensive crime scene investigation training. Traditional methods

required either physical presence at crime scenes, which could be logistically complex and costly, or crime scene re-enactments, which often lacked detail and authenticity. Local storage of data was also important due to data security requirements.

The solution: Virtofy

With the VR solution Virtofy, 3D-scanned crime scenes can now be imported to create virtual, interactive training modules. Furthermore, as this is extremely sensitive data, it is stored locally on the devices. The police training facility can thus carry out virtual walk-throughs and inspections in a controlled VR environment, analyze clues and evidence and train for various scenarios. This solution allows multiple users to investigate a crime scene together, under supervision and from any location.



Implementation

Together with those responsible for training media on the customer site, a new workflow was developed with the help of Virtofy, and includes the following steps:

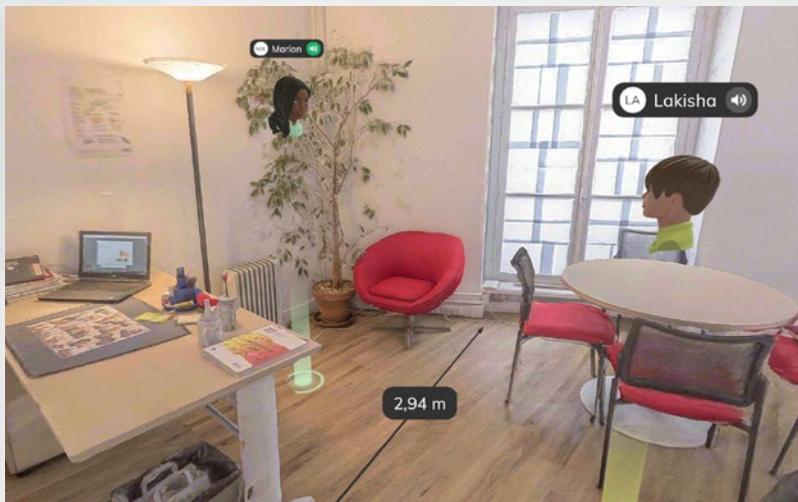
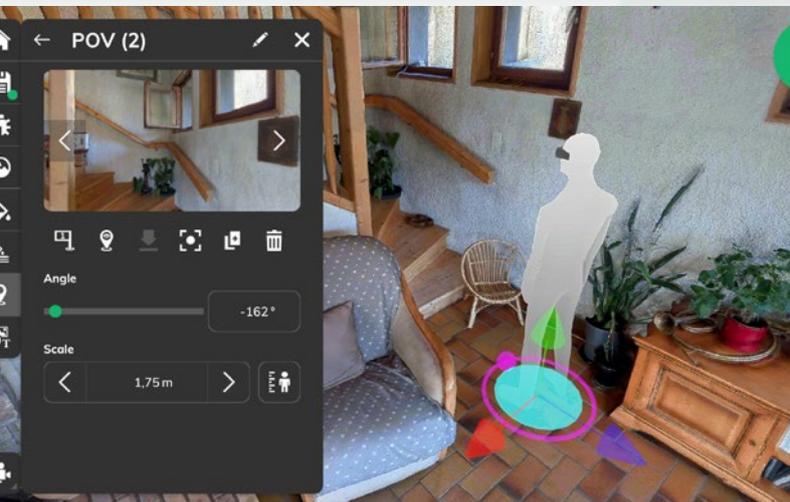
- 1. 3D scans of crime scenes:** Crime scenes and their surroundings are scanned using the latest technology to capture every last detail.
- 2. Integration into Virtofy:** The 3D models are imported into Virtofy and transformed into comprehensive VR training modules with 2D images, audio and video files.
- 3. Interactive training development:** Trainees can independently explore the created VR scenario under the supervision of instructors to provide hands-on learning experience.
- 4. Crime scene preservation:** Virtual crime scenes remain “frozen” in time, exactly as they were originally found, providing a valuable resource for ongoing and future training.

Benefits

- Improved training:** Investigators receive more realistic and engaging training experiences, allowing them to build a library of training scenarios available at any time.
- Cost and time savings:** Police save the cost and time associated with travelling and setting up mock crime scenes.
- Resource efficiency:** Real crime scenes remain undisturbed, and resources are used more efficiently.
- Scalability and Accessibility:** The solution is scalable to any number of users, making it accessible to a wide range of trainees, regardless of location.

Conclusion

The use of Virtofy as a VR training platform for realistic, detailed crime scene investigations significantly enhanced the training capabilities of police training. It is a cost-effective, user-friendly and efficient way to improve investigators' skills while preserving the authenticity of crime scenes.



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Learn more about Virtofy at:

www.virtofy.com

