# AVR SPOT
## AR & VR experts

# AVRSPOT CASE STUDY

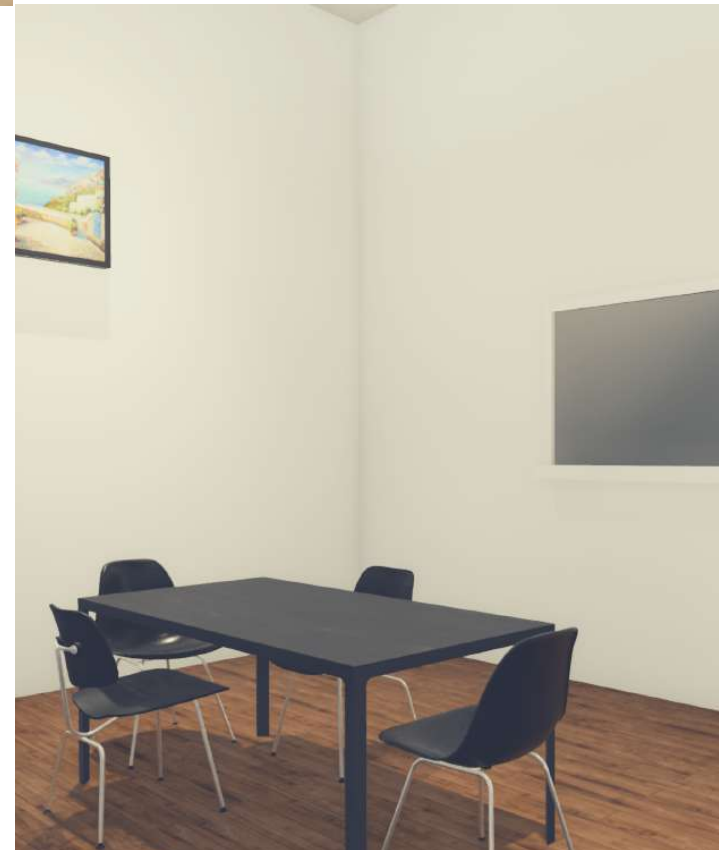# VIRTUAL REALITY AVRSPOT OFFICE TOUR

### A V R S P O T

## MAIN TOOLS AND TECHNOLOGIES

- Unreal Engine 4
- 3D Max
- Substance Painter

## SCOPE OF SERVICE

- 3D Object Creation;
- Unreal Engine 4 Development;
- Quality Assurance;
- Implementation.

# OVERVIEW

AVRspot is a Lviv-based Augmented and Virtual Reality studio that provides AR/VR solutions and services for various businesses worldwide. By working with wide range of industrial customers, AVRspot exploits technological know-how to meet business objectives in the most inventive way.



# CHALLENGE

AVRspot came up with a focus on showing the ultimate AVRspot office design to its employees with that, the studio needed a solution that will allow the users to look around in 360 and experience the reality of the AVRspot office design.

The user would be able to make a virtual guided tour through the office, select and move various objects, open doors, drawers and switch the light on/off.

Furthermore, the experiencer would have an opportunity to change the color of the furniture to choose the best design option.

CHALLENGE

# SOLUTION

We turned to generating deeply engaging Virtual Reality Office Tour of what the AVRspot office would look like, giving prospective employees a true sense of where they would be working in the nearest future. Virtual Reality Office Tour would start right outside of AVRspot office near the main entrance and would allow the users to walk through the whole office. The product would have a desktop version and a 3D fully immersive and interactive walkthrough that can be experienced using an HTC Vive headset and controllers.

**THE PATH TO IMPLEMENTING AVRSPOT'S IDEA FOLLOWED IN SUCH PROGRESSION:**

- AVRspot Office interior plan creation & implementation;
- Post-processing set up: image creation, level design, and light & shadow correction;
- Interactive Development;
- Logic & Algorithm Development;
- Robust and scalable backend Architecture Development.

**THE RANGE OF SERVICES PROVIDED BY AVRSPOT COVERS FULL-CYCLE PRODUCT DEVELOPMENT AND INCLUDES 3D OBJECT CREATION, UNREAL ENGINE 4 DEVELOPMENT, QUALITY ASSURANCE AND IMPLEMENTATION.**
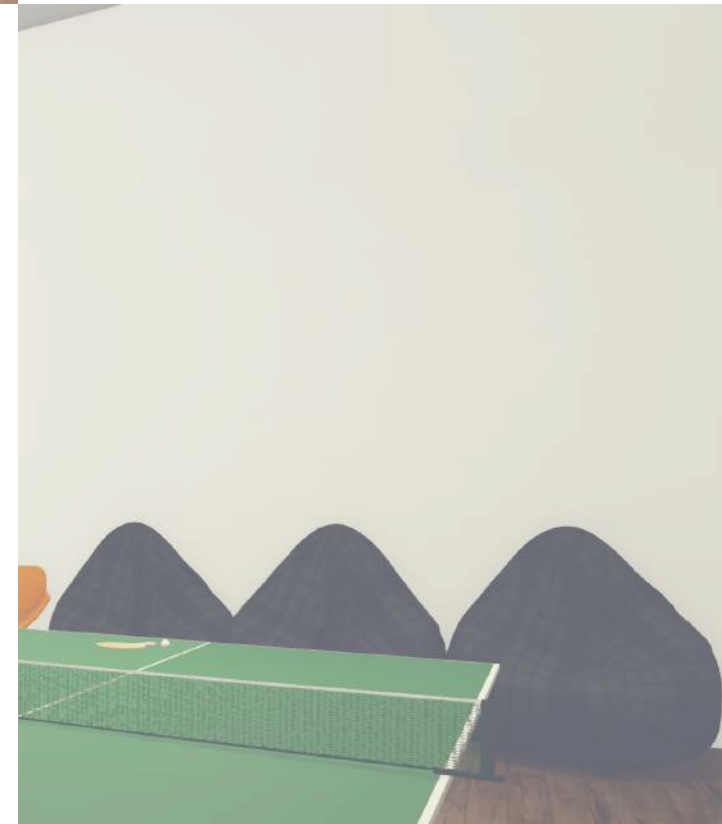
# HOW WE DID IT

To get the project off the ground and set up the development process, AVRspot's team of 3D Artists and Unreal Engine 4 Developer, have built AVRspot Office interior plan, integrated photo-realistic textures and created lifelike 3D models for the first stage of Virtual Reality Tour implementation.

Developing Virtual Reality AVRspot Office Tour has given us more than just experience in developing for Virtual Reality. Uncovering the perfect blend of various user interface techniques, Software Development Kits, and 3D imagery has helped us better understand how we can help entrepreneurs increase brand awareness.

**DURING THIS STAGE, THE TEAM APPLIED CREATIVE THINKING TECHNIQUES, EVALUATED THE CONSUMER NEEDS TO SUGGEST THE BEST SOLUTION.**

# BENEFITS

- Realistic panorama (360 degrees);
- Possibility of rotation;
- Ability to select rooms and walk through;
- Possibility to "walk" through the office remotely;
- Opportunity to enjoy the exhibits of the virtual tour and relax in the cozy surroundings of AVRspot office;
- The 3D format is visually more attractive and realistic than pictures or panoramas as it allows observing objects from different angles;
- It is user-captivating and may become a determining factor in the customer's decision to visit your institution;

# RESULTS

- AVRspot managed to create the 3D Virtual Reality Office Tour that allows the users to dip into the atmosphere of the office, to walk through the exhibits and to choose pleasing exhibits by simply moving your hand. 360° Virtual Reality AVRspot Office Tour enables the users to view everything within a physical location in 360° radius.

- AVRspot also enhanced brand recognition with a fresh solution of Virtual Reality Office Tour provided.

# AVRSPOT

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