

Creating Virtual Meeting Rooms

XR HUB Bavaria

The Challenge

Background

The [XR HUB Bavaria](#) is an initiative to strengthen Bavaria as a media and business location, funded by the Bavarian State Ministry for Digital Affairs. We have developed the [XR Network](#), a platform to strengthen the XR community and promote active exchange, as well as the [XR Spaces](#), a platform to connect self-created virtual 3D showrooms with each other and thus take a joint step towards the metaverse.

Vision

Our vision is a functionality that allows the automated generation of virtual 3D showrooms based on existing datasets from user profiles from the XR Network, as well as their integration into the XR Spaces.

Mission

You will develop a theoretical concept that describes concrete possibilities to automatically generate and fill virtual showrooms based on existing data from the user profiles of the XR Network, if possible, in the form of 3D elements. In addition to the description of current and future possible functionalities and algorithmic automation processes, as well as their added value from the user's point of view, concrete technical solution and implementation possibilities are also required. If possible, we also look forward to a first prototypical implementation on your part. We will provide a 3D model of a showroom and an exemplary dataset of an XR Network profile that you can use for the implementation.

The Tools

- [Mozilla Hubs](#)
- [A-Frame / Three.js](#)
- [JavaScript](#)

The Skillset

- [3D Development](#)
- [Web Development](#)

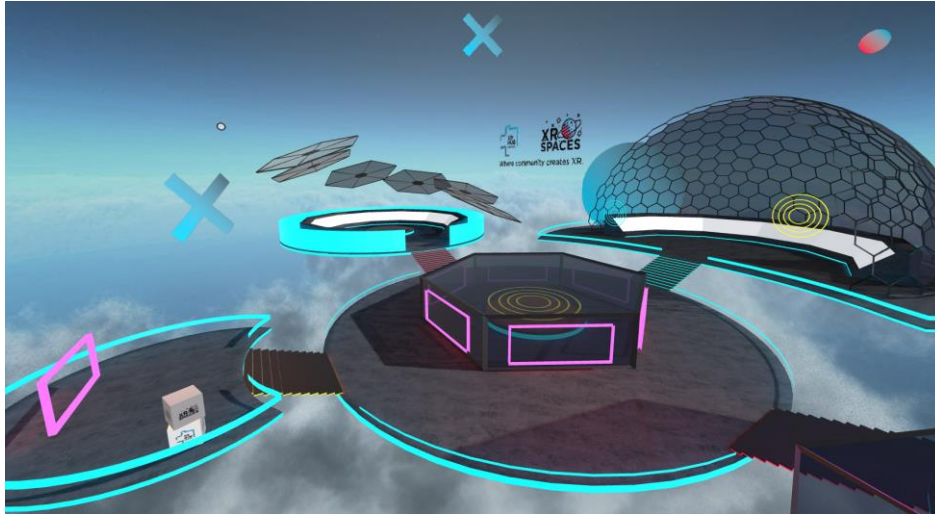



Figure 1: Virtual showroom in Mozilla Hubs (XR Spaces)



XR HUB Bavaria

- Associations or Structured Project Offices
- Development studio for XR, metaverse and virtual spaces
- München
- 1-20 staff members

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[WEBSITE](#)

Competences

XR for Business | XR-Consulting


Topics, Sectors and Areas of Expertise

Digitalization | IT department | Marketing | Training & Education | Museums & Galleries | Festivals | Cinemas | Theatres, clubs & concert halls | Public area

Description


Find the latest information and trends for Virtual, Augmented & Mixed Reality. Discover the platform in Bavaria to connect to players in the XR community and get support for the implementation of your ideas.

References



XR Spaces

XR Spaces are for teams, individuals, universities and companies. You can enter or search virtually designed 3D places to create and enjoy experiences together. These virtual rooms are built for different purposes: for content sharing, for education, as art experiences or new work methods.



XR Network

The XR Network is the central digital community hub for the XR ecosystem in Bavaria. Find the right contact persons and get to know exciting projects, applications and actors.

Figure 2: Example profile (XR Network)