

Introduction

3D Schmiede (formerly KOMMERZ) is a visualisation agency that develops visual media for the AEC industry.

Currently, 3D Schmiede is developing multimedia installations for the Austrian Federal Railways (ÖBB), including walkable 3D models to engage with the public and inform them about one of the most ambitious Austrian infrastructure projects, the Koralm railway tunnel.

Challenge

The Koralm tunnel is soon to become Austria's longest railway tunnel with a length of 33km (20 miles) and represents the extension of the Trans-European Railway Corridor VI, which connects the Mediterranean Sea in Italy with the Baltic Sea in Poland. The tunnel is due to be operational in the year 2026, after 16 years of construction.

To ensure the success of this project, ÖBB has been searching for a possibility to inform the public and get their support.

Solution

ÖBB decided to install "Infoworlds," which are informative and easily understandable exhibitions in strategic places along the 140 kilometres of track between Klagenfurt and Graz, displaying, amongst others, information about the benefits, the technical details, the future of European railways and the regional features of the project.

The heart of these "Infoworlds" is an interactive multimedia installation designed by 3D Schmiede, implemented using eddison technology, a hardware/software solution for making complex projects easily accessible to a broad public.

The topics covered in this multimedia installation include, among others, walkable 3D models, technical details, visualisations and regional features of the project.

For the multimedia installation, 3D Schmiede used eddison for Unity, the eddison touchscreen app and Unity3D.

The eddison/Unity3D solution is the perfect high-end product for mixed reality experiences and the logical choice for implementing this project.

Success

The first installation for ÖBB was shipped to "Infoworld Leibenfeld" in 2015 and due to its tremendous success and high acceptance by the public, the Federal Railways have ordered more installations on a yearly basis.

So far, 3D Schmiede has shipped six Koralm installations, as well as one fully featured system about the renovation and expansion of the main train station in Graz, which is soon to become a highly modern transportation hub for the south of Austria.

Watch a Video <https://www.youtube.com/watch?v=CTgPARJOLQw>