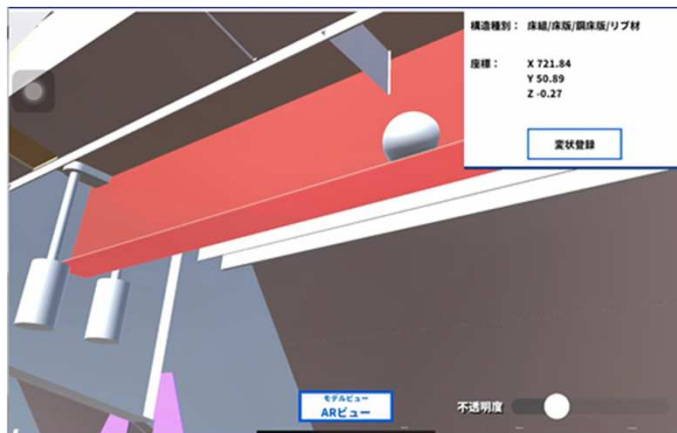


Bridge Inspection Support Tool Utilizing BIM and MR Technology

Honshu-Shikoku Bridge Expressway Company Limited



Overlaying Camera image of the Main Tower with the BIM Model



Displaying Attribute Information When Tapping a Rib Member

Abstract

A support tool that enhances bridge inspection efficiency by overlaying camera images from a tablet device with BIM models using MR technology.

The overlay adjusts automatically as the user moves, allowing them to select structural components on the screen and record detailed damage locations.

The BIM models, which include maintenance information, integrate with captured images and inspection reports, reducing data entry effort.