

August 28, 2025

Company Name	Kudan Inc.	
Representative	CEO	Daiu Ko
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Kudan Supports Asahi Broadcasting Group's Special Exhibition at Expo 2025 Osaka, Kansai

~ Recreating the Damage and Recovery of JR Kobe Line Rokkomichi Station in "Photo-Realistic 3D" to Deliver an Immersive Disaster-Prevention Experience in a VR Dome Theater ~

Kudan Inc. (hereinafter "Kudan"), together with its partner XGRIDS, is pleased to announce its contribution to Asahi Broadcasting Group's special exhibition on the theme of *disaster prevention* at Expo 2025 Osaka, Kansai. Together, the two companies contributed to delivering a cutting-edge, photo-realistic 3D visual experience that brings disaster learning to life.

At the centrepiece of the exhibition, the VR Dome Theater Disaster Experience allows visitors to immerse themselves in a vivid recreation of a disaster site. Kudan and XGRIDS played a key role in producing this experience by employing Lixel CyberColor (hereinafter "LCC"), an advanced 3D reconstruction technology. Using this, the companies helped to faithfully reproduce the destruction and subsequent recovery of JR Kobe Line's Rokkomichi Station during the Great Hanshin-Awaji Earthquake with striking photo-realism.

Built on 3D Gaussian Splatting (3DGS), LCC delivers a level of realism and immersion far beyond conventional 3D imaging. It also enables free-viewpoint interaction, offering a groundbreaking level of realism in video production and user experience.

Kudan strongly supports the mission of this exhibition: "Deepening learning on disaster prevention and mitigation to design a safer future." Looking ahead, Kudan will continue to leverage Lixel CyberColor (LCC) powered by 3D Gaussian Splatting (3DGS), alongside its Kudan PRISM digital twin platform to deliver value and contribute to society across the following areas:

- **Disaster Simulation and Evacuation Planning**

By simulating floods, earthquakes, and other large-scale disasters within a digital twin, Kudan enables predictive damage assessment, 3D verification of evacuation routes, and prioritization of emergency recovery actions.

- **Decision-Making Support in the Field**

AI-powered analyses of potential hazards and damage estimates can be overlaid on photo-realistic 3D environments. This allows governments, operators, and residents to share a unified perspective,

accelerating decision-making and reducing delays in planning and response.

- **Education and Public Awareness Programs**

In collaboration with schools, municipalities, and broadcasters, Kudan will provide interactive VR screenings and large-scale immersive curricula. Through photo-realistic disaster experiences, the company aims to pass on disaster-prevention awareness to the next generation.

Event Overview

- **Title:** ABC Group – A Future Vision of Disaster Prevention to Share with the World
- **Dates:** September 1st (Mon, Disaster Prevention Day) – September 4th (Thu), 2025
- **Theme:** Experiencing the Reality of Disasters and Deepening Learning on Prevention and Mitigation
- **Venue:** Expo 2025 Osaka, Kansai – Gallery WEST (Exhibition Room 1, Exhibition Room 2, Outdoor Exhibition Space)

Organizers: Asahi Broadcasting Group Holdings Corporation, and others

- **Event Website (Japanese Only):**

<https://www.asahi.co.jp/bosai/event2025/>

<https://www.expovisitors.expo2025.or.jp/events/822375a8-539d-4ac0-84d3-207224660b1d>



VR Theater: The Damage and Recovery of Rokkomichi Station

About Kudan Inc.

Kudan leads the advancement of next-generation solutions such as robotics, autonomous driving, and digital twins through research and development, as well as the provision of spatial perception algorithms that connect the physical and digital worlds. Originating from the United Kingdom, Kudan is a global company that, with innovative artificial perception technology (the “eyes” of machines) at its core. By extending the application of artificial intelligence from the digital space into the physical space, Kudan aims to fundamentally solve social issues and dramatically improve productivity by promoting automation, unmanned operation, and remote accessibility across all industries.

For more information, please visit Kudan's website at <https://www.kudan.io/>.

■Company Details

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■Contact Information

For more details, please contact us from [here](#)