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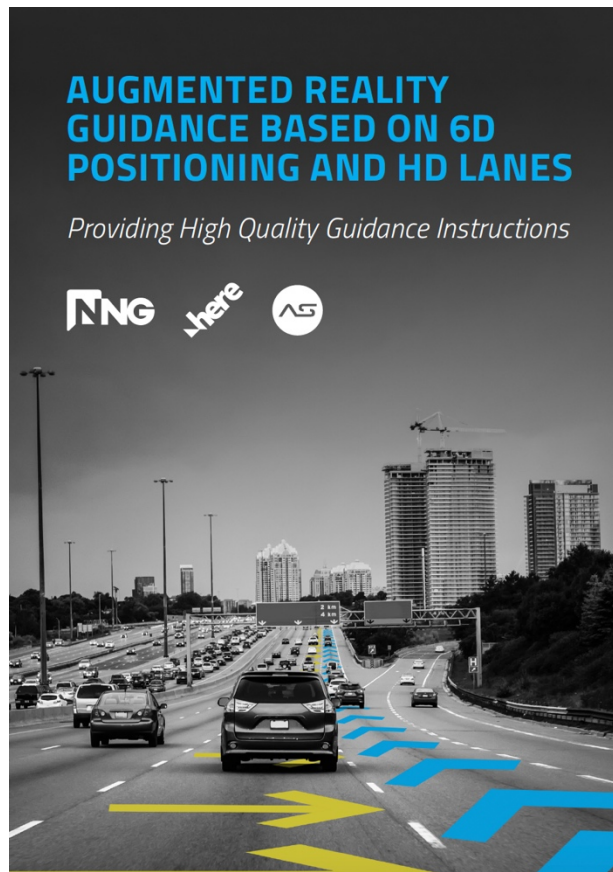
Kudan Inc.

**Artisense published a white paper with HERE Technologies and NNG
on AR navigation application for automotive as a stepping stone
towards the metaverse**

Kudan Inc. (headquarters in Shibuya-ku; CEO Daiu Ko; hereafter “Kudan”), an artificial perception research and development company, is pleased to announce that Artisense GmbH (hereafter “Artisense”), Kudan’s group company, together with NNG and HERE Technologies published a white paper, “Augmented reality guidance based on 6D positioning and HD lanes”, explaining how AR navigation is achieved using SLAM and HD map. This is just one of many potential applications in ADAS (Advanced Drivers Assistance Systems) and safety features Kudan and Artisense can contribute to, such as lane change assist and intelligent speed assist.

See a demo below about how AR navigation looks like:

[Augmented Reality Lane-Level Guidance](#)



This white paper is based on Artisense’s collaboration with [HERE Technologies](#) and [NNG](#). The section “HD positioning based on visual inertial odometry” describes how Artisense SLAM and visual inertial odometry contribute to this application.

This AR navigation is a key area where many automotive OEMs see value. Mercedes already launched a model with this function last year and others such as Cadillac and Hyundai are planning to install this functionality to differentiate themselves. *

(*Source: WIRED [“With In-Car AR, Drivers Get a New View of the Road Ahead”](#))

Also, the AR navigation is one of the applications tightly integrating virtual digital map and real-world data to bring unprecedented user experience. This is exactly what the metaverse aims to materialize and the area where Kudan’s SLAM technology contributes.

Kudan and Artisense keep working on this topic as well as other functions in ADAS and safety features to enable automotive tier 1 suppliers and OEMs to realize these functions more reliably.

Please visit here for the white paper:

<https://www.artisense.ai/whitepaper-ar-navigation>

About Artisense Corporation

Artisense is a computer vision and sensor fusion software company that develops an integrated positioning platform using cameras as a lead sensor for the automation of robots, vehicles, and spatial intelligence applications. On a mission to accelerate the adoption of autonomous robots and machines, Artisense provides products and technology for highly accurate, robust, safe, and low-cost navigation in any space.

For more information, please refer to Artisense’s website at <http://www.artisense.ai/>.

About Kudan Inc.

Kudan (Tokyo Stock Exchange securities code: 4425) is a deep tech research and development company specializing in algorithms for artificial perception (AP). As a complement to artificial intelligence (AI), AP functions allow machines to develop autonomy. Currently, Kudan is using its high-level technical innovation to explore business areas based on its own milestone models established for deep tech which provide wide-ranging impact on several major industrial fields.

For more information, please refer to Kudan’s website at <https://www.kudan.io/>.

■ Company Details

Name: Kudan Inc.

Securities Code: 4425

Representative: CEO Daiu Ko

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

