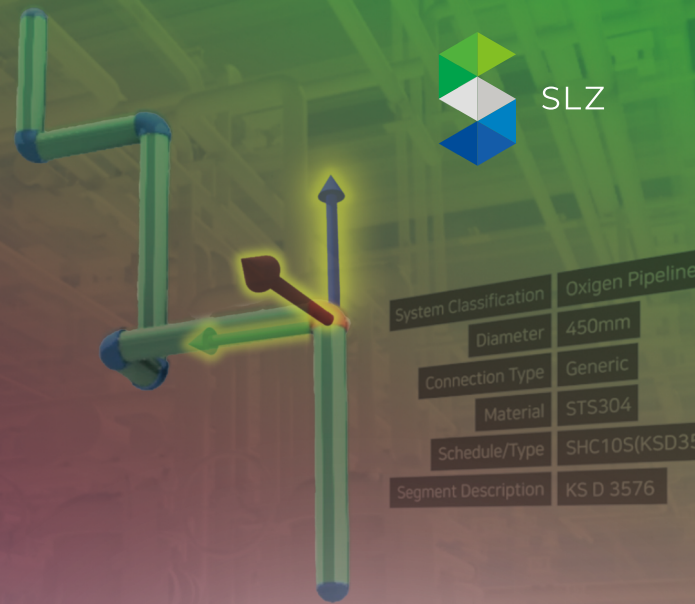


- ✓ AR-Enhanced Pre-Construction Auto-Routing
- ✓ Real-Time BIM Data Access
- ✓ AR Piping to BIM Integration



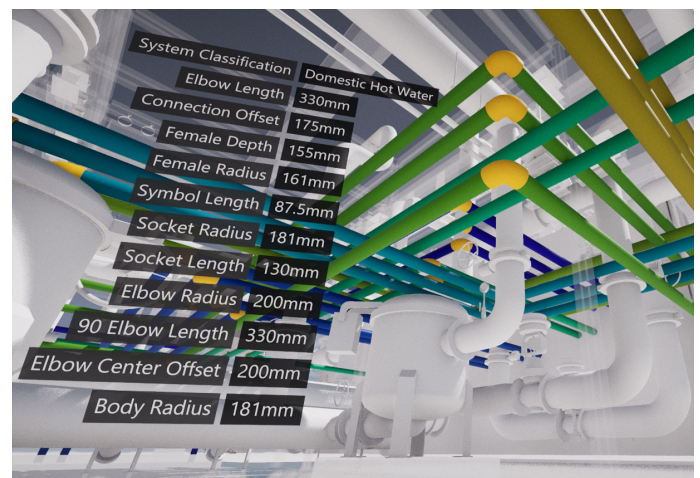
ROUTi-AR

High Tech MEP AR Ver. 1.1.0



What is ROUTi-AR?

ROUTi-AR is an advanced Augmented Reality solution that optimizes piping routes in MEP systems during plant construction by utilizing MEP BIM data. It automatically avoids clashes and generates the shortest routes, ensuring precise and efficient execution on-site, thereby enhancing accuracy and productivity in field operations.

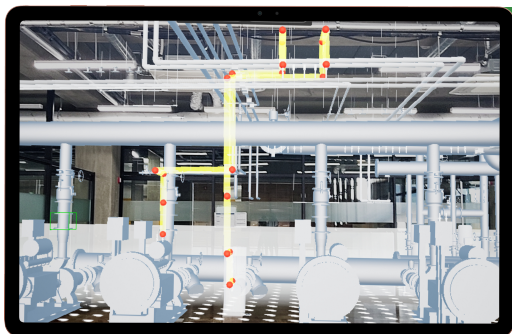


ROUTi-AR

High Tech MEP AR

Ver. 1.1.0

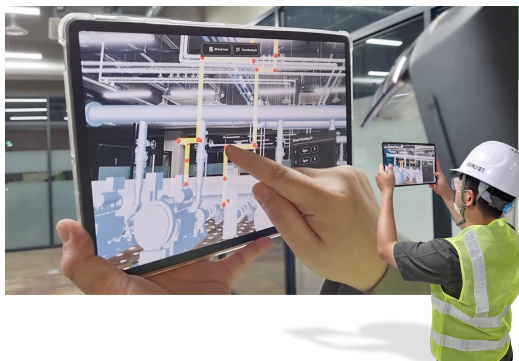
ROUTi-AR is an AR solution that operates on devices like Android tablets (Samsung Galaxy Tab S8 or higher) and HoloLens 2, allowing users to check and fix design errors while generating optimal on-site routes integrated with BIM data for Autodesk Revit. This SaaS platform runs on 64-bit Windows systems and includes features for opening plant BIM files, designating QR marker positions, and creating an Android app with QR marker images for AR use.



01. AR-Enhanced Pre-Construction Auto-Routing

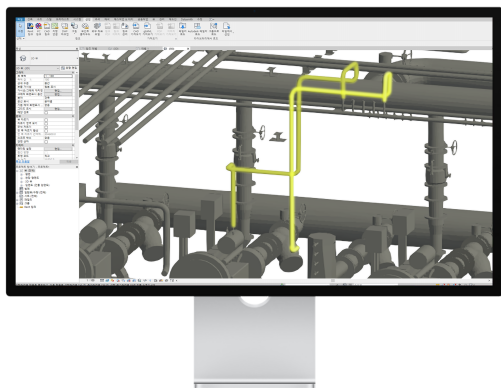
Using AR devices like tablet PCs and head-mounted displays (HMDs), **users can perform real-time pipe-routing on-site.**

The system, based on AR-augmented BIM data, generates optimal routes between equipment and main pipes, adapting to current site conditions.



02. Real-Time BIM Data Access

Using AR devices, users can access BIM data on-site and overlay it onto the real-world location, enabling an augmented reality view of the current site. **This allows for the real-time review of architectural and MEP object attributes without the need for physical drawings.**



03. AR Piping to BIM Integration

AR-generated piping routes can be easily imported into Autodesk Revit, ensuring data accuracy and alignment with both design intent and site conditions.

Once imported, these routes can utilize Revit's library of pre-configured components **to streamline the design process** by automatically applying standardized elements.

SLZ is a leading **Smart Construction Technology** company



SLZ is growing as a corporate brand that converges traditional construction and IT development.

SLZ is a professional construction company recognized with the highest level of BIM-XR construction technology in South Korea.

Based on BIM (Building Information Modeling) data in international standards, we develop virtual reality digital twin software for construction sites, leveraging our own technology to enhance on-site construction quality.

Our company is a first-class professional construction company in South Korea that applies the BIM-XR and BIM-AI solution services developed directly to the construction site to gain practical experience.