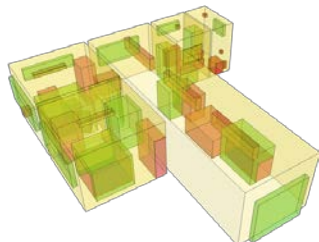




Australia's
Global
University

Our technology gives to your 3D indoor models the ability to support advanced and context-based indoor wayfinding solutions, but also applications such as customized retail, facility management and emergency response.



Transformation from a vector model (top) to our simple and powerful one (bottom), enabling challenging applications.

Fine-grained 3D Indoor Navigation System



Geospatial Research, Innovation and Development
(GRID Lab)

Competitive advantage

Give to your indoor models a whole new dimension

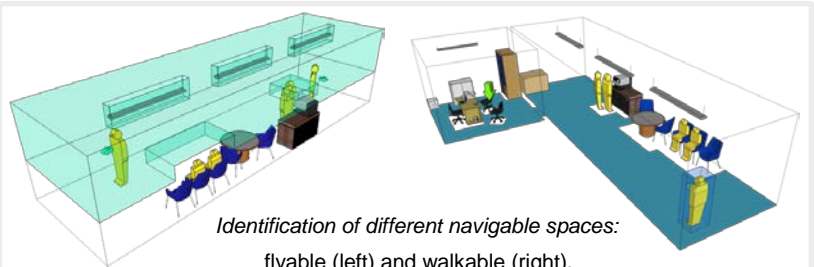
- Offer advanced and personalized indoor navigation experience (accounting for the size, preferences, locomotion, etc.)
- Allows to control access to parts of buildings
- Avoids furniture or crowded areas
- Works on point cloud or vector models (e.g. BIM).
- One central model for several applications.
- Relies on international standards.

Recent research projects

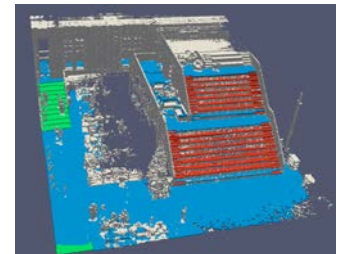
- SIMs3D (www.sims3d.net)

Successful applications

- Automatic derivation of the technology on existing buildings.
- Navigation path for walking and flying agents.
- Integration to existing international standards.
- Collaboration with Dutch fire brigade and CGI.



Identification of different navigable spaces: flyable (left) and walkable (right).



Identification of walkable areas (floor, slopes and stairs) on point clouds.

More information

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