Gyro3D Introduction


GYROSOFT CO., LTD

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Gyro3D Main Feature

- 3 Dimensional virtual reality techniques.
- Architectural & interior design tool for builders, architects, designer.
- Visualization helps to pre-sales and consulting of architecture business.
- Generate drawing automatically from 3D design.
- Provides various textures like wallpaper, tile, bricks.
- Provides huge library like home, office & commercial furniture.
- Level planning, hide or lock of objects and group functions provided.
- 2D, 3D modeling interface create various desired objects.
Wall/Door/Window Design

- **Wall Design**
  - Easy wall drawing with snap function.
  - Straight, rectangle, arc wall and offset function.
  - Wall height, width, elevation options.
  - Apply various wallpaper.

- **Door and Window Design**
  - Door and windows arrange to wall automatically.
  - Door and windows position dimension appears and adjust position by dimension editing.
  - Provide various doors and windows library.
  - Support curtain wall, gate, glass door design.
Floor, Ceiling, Column and Molding

- **Floor and Ceiling**
  - Recognize floor and ceiling region automatically.
  - Separate and edit evaluation of floor or ceiling.
  - Decorate ceiling with light box and well ceiling.

- **Column, Molding and Rail**
  - Rectangle, circle, designed column.
  - Molding at selected region.
  - Railing at selected position or wall.
Editing

- **Move**
  - Move free and orthogonal direction.
  - Move a distance with entered value.
  - Collision options helps move to beside of existing object.

- **Scaling**
  - Stretching object to near object side.
  - Scaling with width, depth, height value.

- **Select, Copy, Rotate**
  - Child object selections provides detail modification.
  - Copy, Cut, Paste, delete object.
  - Multi-copy function.
  - Rotate object with specified axis.

- **Unlimited Undo, Redo**
  - Unlimited undo and redo function.
Symbol and Furniture Library

- Easy arrange symbol
  - Snap and rotate function in the placing status.
  - Snap to existing object.
  - Edit size and position with dimension editing.

- Various Symbol Library

<table>
<thead>
<tr>
<th>Home</th>
<th>Room, living, kitchen, bath symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial</td>
<td>Store, restaurant, drinking, hospital, hotel, sports and beauty shop</td>
</tr>
<tr>
<td>Office</td>
<td>Office, executive office, school furniture, accessory</td>
</tr>
</tbody>
</table>
Textures Library

- **Attach Texture materials**
  - Attach material to specified surface.
  - User image can be used to materials with drag and drop.
  - Apply materials properties like transparency, color, size, angle.

- **Various Materials Library**

<table>
<thead>
<tr>
<th>Wallpaper, flooring</th>
<th>Wallpapers, Flooring materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tile, color</td>
<td>Internal and external tile and paint color, images</td>
</tr>
<tr>
<td>External resource</td>
<td>Brick, marble stone, etc</td>
</tr>
</tbody>
</table>
View Control, Walk Through

- View Control
  - Setting ISO view and perspective view.
  - Zoom in, zoom out and panning window.
  - Rotate view scene and surrounding view.

- Walk Though
  - Create and edit route for walking view.
  - Move camera according to created route.
Modeling

- **Drawing 2-Dimension Entity**
  - Drawing 2-dimension basic entity
    - line, rectangle, arc, circle
  - Editing – break, extend, trim
  - Create surface with 2D basic entity

- **3-Dimension Modeling**
  - Create extrude 3D entity from 2D surface.
  - Create 3D basic object – box, sphere, etc.
  - Split and extrude surface.
  - Boolean operation – union, subtract, intersection.

- **Topography**
  - Create topology and convert from contour drawing.
  - Subtract from topography and 3D object.
Level and Roof

- **Manage Level**
  - Create, copy and delete level.
  - Level elevation, height options
  - Hide or visible setting by selected level.
  - Move to other level for selected object.

- **Design Roof**
  - Drawing roof line and create roof.
  - Convert from CAD’s roof definition.
Tools

- Group
  - Group use for several object belong together.
  - Create group and breaking group function.

- Block
  - Block makes group object to external file.
  - Import from saved block file.

- Hide
  - Hide or visible selected object.
  - Hide by architectural type available.

- Lock
  - Lock option for cannot editing like moving, delete.

- Measure Distance and Area
  - Measure distance from selected point.
  - Measure area from selected surface.
File Import and Export

- Import Drawing and Symbol
  - Import external DXF drawing and place background. This can use reference for 3D working.
  - Import 3D external symbol – DXF and 3DS format.

- Export to external format
  - Export 3DS file for using CAD or 3D Studio Max
  - Save gyro3D file with referred symbol and material files optional.
CAD Conversion

- **Gyro3D and 2-D Drawing Conversion**
  - Generate 2D flooring drawing from 3D automatically.
  - From 2D drawing, Gyro3D create 3D object easily with using given tools.

- **Provide CAD Applications**
  - Architectural design tool provides for Cadian and AutoCAD. This use conversion tool with gyro3D and drawing.
  - Cadian 2008 is included in gyro3D package bundled.
  - Cadian is intelliCAD platform CAD software and use native dwg format and compatible AutoCAD command. (refer detail - www.cadian.com)
Gyro3D Gallery (Interior)
Gyro3D Gallery (Architectural)
# GYROSOFT Introduction

<table>
<thead>
<tr>
<th>Company</th>
<th>Gyrosoft Co., Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEO</td>
<td>Byeongmok Kim</td>
</tr>
<tr>
<td>Established</td>
<td>Jan, 1998</td>
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<td>Tel</td>
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<td>Mail</td>
<td><a href="mailto:Support@gyrosoft.co.kr">Support@gyrosoft.co.kr</a></td>
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<tr>
<td>Website</td>
<td><a href="http://www.gyrosoft.co.kr">www.gyrosoft.co.kr</a></td>
</tr>
<tr>
<td>Address</td>
<td>301, Daeryung Techotown 3, Gasan-dong, Gumcheon-gu, Seoul, 153-803, Korea</td>
</tr>
<tr>
<td>Business Field</td>
<td>Developing software, Software package delivering</td>
</tr>
</tbody>
</table>
## Business and Technical Field

<table>
<thead>
<tr>
<th>Business</th>
<th>Technical</th>
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<tbody>
<tr>
<td>Facility/Space Management</td>
<td>gyro3D</td>
</tr>
<tr>
<td>Architectural &amp; Interior Design</td>
<td>gyro2D</td>
</tr>
<tr>
<td>Process Design &amp; Simulation</td>
<td>CAD</td>
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<tr>
<td>Furniture Layout/Sales Support</td>
<td>Visio</td>
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<tr>
<td></td>
<td>Web / Flash..</td>
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Process Design and Management

- Manufacturing Process Management (Samsung Electronics, 2004)
- Business Process Management (Samsung Data System, 2004)
- Plant Workflow Management (KEPCO, 2007)
- Pert Schedule Management on Web (Samsung Electro-Mechanics, 2007)
UI/GUI Design/Simulation

- User Interface Design (Samsung Electronics, 2006~2008)
  - Mobile, Digital device user interface design
  - Interface flow simulation from design document
- Home Network 3D Interface (Forcetec, 2006)
Facility/Space/Properties Management

- Lease & Space (Office, Exhibition, Store) Management (Coex, 2004)
- Exhibition and Conference Management (Kintex, 2005/Coex, 2007)
- Harbor Land Management (Incheon Harbor, 2005)
- Lease and Rental Management (Hyundai and Kia Motors, 2005)
- Department Sales and Store Space Management (E-LAND, 2005)
3D Facility Management

- KT Transmission Room Management (KT, 2005 ~ 2006)
- Human Moving Simulation – In Plant Control Room (KOPEC, 2006 ~ 2007)
- Mobile Transmission and Receipt Area Simulation (Soluwins, 2005)
3D Furniture Layout

- Office Furniture Layout (Package / Livart, 2008 / Koaswell, 2007)
- Kitchen Furniture Layout (Package / LG Hausys)
- Building Security management (Samsung Security, 2006)
Thank You