

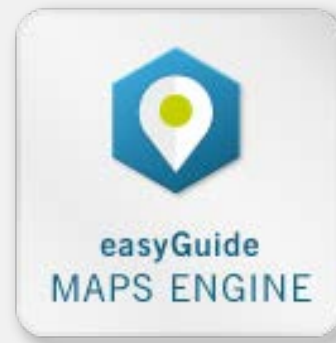


easyGuide
MAPS ENGINE

created by 3d-berlin

Designed for partners:

THE POWERFUL WAYFINDING MODULE FOR YOUR APPLICATIONS



The 'easyGuide maps engine' is a generic, high-performance and intelligent map module with a wayfinding function for easy integration into your application.



NATIVE MOBILE APP

Do you have the app? We have the map with built-in wayfinding: The card, which is optimised for mobile devices, convinces with a very short loading time and high performance. Geo coordinates are transferred into path IDs and enable indoor positioning and routing.



DIGITAL SIGNAGE PLATFORMS

Would you like to extend your kiosk systems (front-end) and/or your CMS (backend) with an appealing map that has a wayfinding function? The 'easyGuide maps engine' allows you to combine data and campaigns with a visually appealing map.



WEB APP

Does your website need a simple and appealing map to display the location of a room/shop directly? Our map, which is designed according to customers corporate design requirements aligns dynamically to your website (liquid design) and is very easy to integrate.

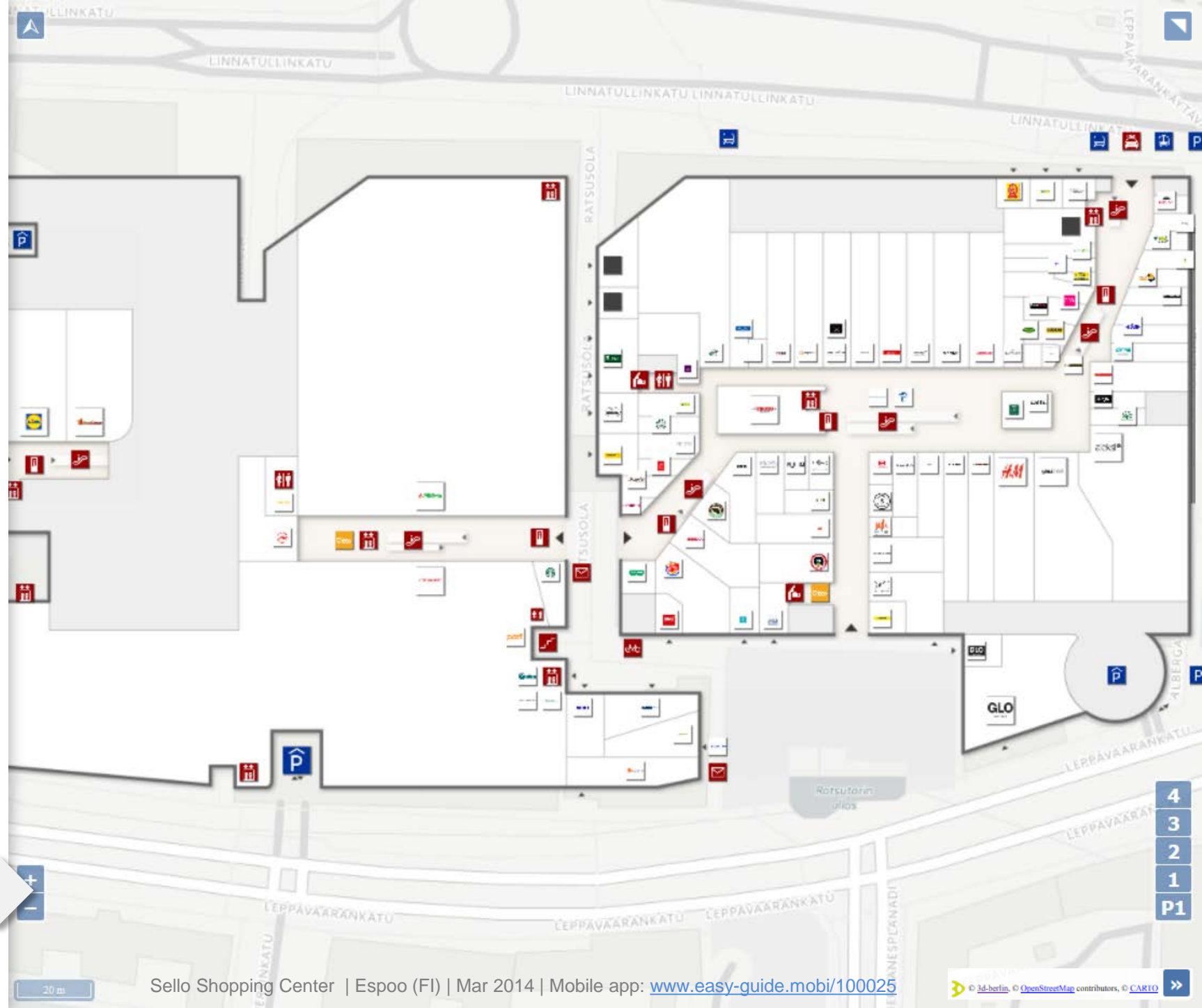
MAP FUNCTIONS

3d-berlin delivers a high-performance interactive map of the building/site. The design is tailor-made according to customer requirements in 2D or 3D optics.

Main features:

- Short loading time
- Logo sizes adjust to the zoom level (level of detail)
- You-are-here marker shows set positions
- Target and highlight markers highlight destination points
- Wayfinding function (see following pages)

engine.easy-guide.com/example



„BUILD-IN“ CONTROLS

The engine includes a set of "built-in" controls for common functions, which can be individually displayed or hidden. Alternatively, all functions can also be executed by means of self-designed external controls via API.

ROTATION

Display of map orientation via the north arrow button. Switch to north with click/touch. Rotation of the map by means of two-finger rotation (touch) or [Alt] + [Shift] + drag (mouse)

ZOOM FUNCTION

Maximise/minimise map section via touch control, zoom buttons or mouse (scroll or [Shift] + drag)

GRAPHIC SCALE

Dynamic true-to-scale distance display

ROUTE GUIDANCE

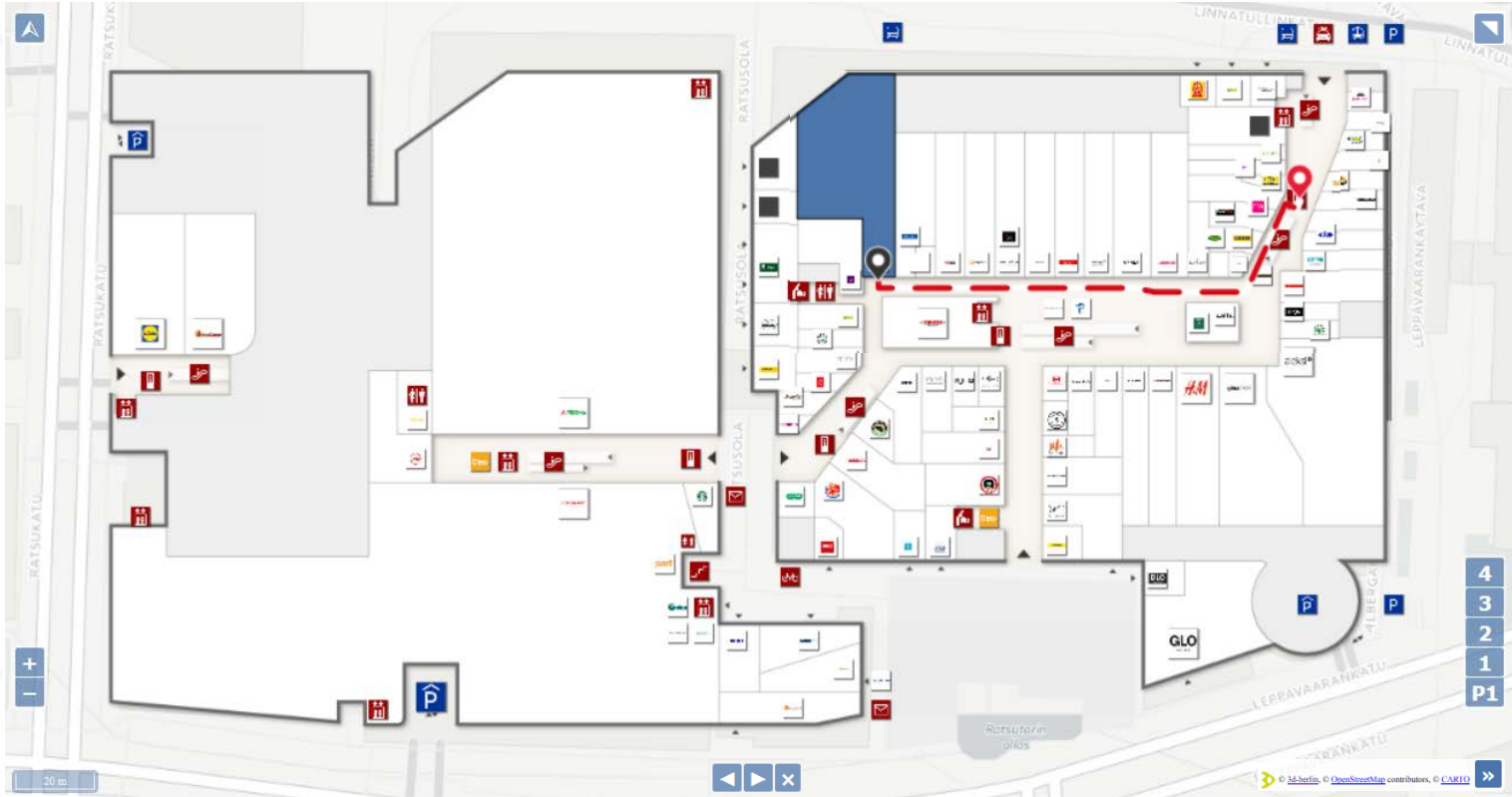
Navigation buttons for a step-by-step display of the route sections and completion of the route guidance

FULLSCREEN

The fullscreen button enlarges the application to a maximum display area

LAYERS

Interactive change of levels



WAYFINDING FUNCTIONS

The route is displayed as a directional path from the start point to the destination point. The route is divided into logical route sections and displayed as a step-by-step navigation. In doing so, the respective route section is zoomed into.

Options: Activating and deactivating the accessible routing (via API control) and exiting navigation



STEP 1
Route section on ground floor



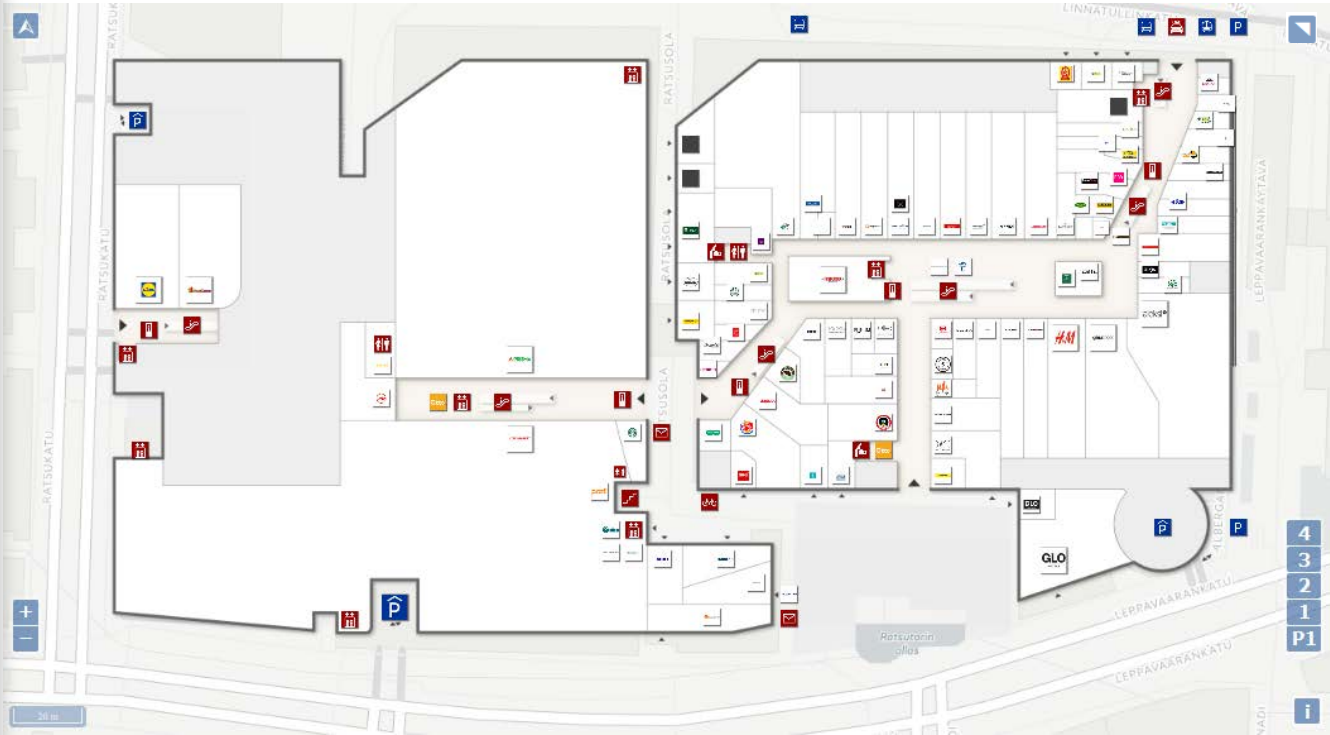
STEP 2
Route section on 3rd floor

ACCESS METHODS FOR PARTNERS AND COMPANIES

All functions of the 'easyGuide map engine' can be adjusted by you. Properties can be queried or set. For example, destination points (IDs) can be displayed, multiple IDs selected, as well as the route started.

Developer Documentation:

engine.easy-guide.com



DEMO PREVIEW
Queries entered at the bottom are displayed live

#	Return (async. event)	Method	Test	Documentation
1	<input type="text"/>	= EasyGuideMapsEngine.toString();	<button>Execute</button>	<button>View</button>
2	<input type="text"/>	= EasyGuideMapsEngine.refresh();	<button>Execute</button>	<button>View</button>
3	<input type="text"/>	= EasyGuideMapsEngine.reset();	<button>Execute</button>	<button>View</button>
4	<input type="text"/>	= EasyGuideMapsEngine.screenshot();	<button>Execute</button>	<button>View</button>
5	<input type="text"/>	= EasyGuideMapsEngine.retrieve(layers <input type="text"/>);	<button>Execute</button>	<button>View</button>
6	<input type="text"/>	= EasyGuideMapsEngine.retrieveClosestElementsByCoordinates([<input type="text"/> , <input type="text"/>], null);	<button>Execute</button>	<button>View</button>
7	<input type="text"/>	= EasyGuideMapsEngine.get(zoom <input type="text"/>);	<button>Execute</button>	<button>View</button>
8	<input type="text"/>	= EasyGuideMapsEngine.set(zoom <input type="text"/> , <input type="text"/>);	<button>Execute</button>	<button>View</button>
9	<input type="text"/>	= EasyGuideMapsEngine.route(L02P1099 , L02P1249 , false <input type="text"/>);	<button>Execute</button>	<button>View</button>
10	<input type="text"/>	= EasyGuideMapsEngine.focus(<input type="text"/> , <input type="text"/> , <input type="text"/>);	<button>Execute</button>	<button>View</button>
11	<input type="text"/>	= EasyGuideMapsEngine.highlight([<input type="text"/>], rgba(255, #000000, HIGH <input type="text"/>);	<button>Execute</button>	<button>View</button>
12	<input type="text"/>	= EasyGuideMapsEngine.popup(<input type="text"/> , <video controls, true <input type="text"/>);	<button>Execute</button>	<button>View</button>
Event:	EVENT_FUNCTION_RETURN	icon "L02P1249" selected (longitude: 24.811359, latitude: 60.218314)		

DEMO INTERFACE
A simulation of the API methods are presented here

.retrieveClosestElementsByCoordinates
Geo-coordinates are transferred to the next routing points (IDs)

LIST OF ALL METHODS

.toString Querying the version number

.refresh Forces rerendering the card

.reset Setting the map to the best field of view (overall view)

.screenshot creates a screenshot of the current viewport without controls.

.retrieve Query from:

- layers = levels or floors
- highlighters = highlighters
- points = waypoint
- icons = icons

.retrieveClosestElementsByCoordinates

Geo-coordinates are transferred to the next waypoints (IDs) for re-use (e.g. location display)

.get Query of current map states:

- zoom = zoom level
- rotation = degree of rotation
- layer = level or floor
- start = starting point
- end = endpoint
- section =route section

.set Set Setting of current map states:

- zoom = zoom level
- rotation = degree of rotation
- layer = level or floor
- start = starting point
- end = endpoint
- section = route section

.route Setting a route (route display)

1. Field: Starting point
2. Field: Endpoint
3. Field: Accessible mode on/off

.focus Fokus Focus on any routing point

1. Field: ID
2. Field: Zoom level
3. Field: Animation duration

.highlight Highlights areas:

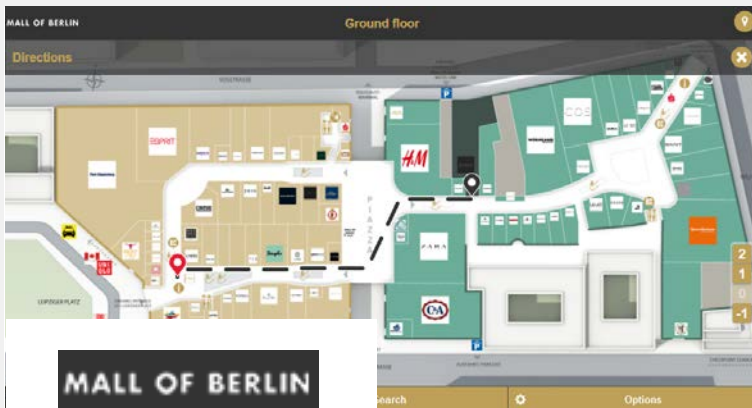
1. Field: IDs (also several)
2. Field: Area colour
3. Field: Outline colour
4. Field: Set / add / remove

.popup Display of an info balloon

1. Field: ID (at a specific position)
2. Field: any HTML content
3. Field: Display 'Close-button on/off'

Events are expanded, when:

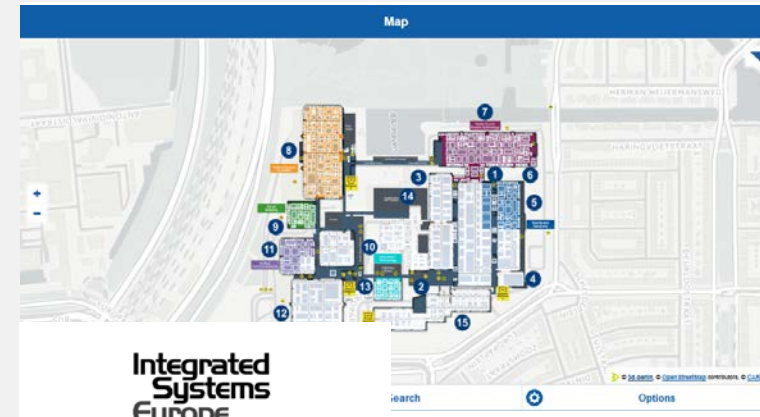
- The easyGuide map's engine is loaded
- An ID or highlighter has been selected
- The level has been changed



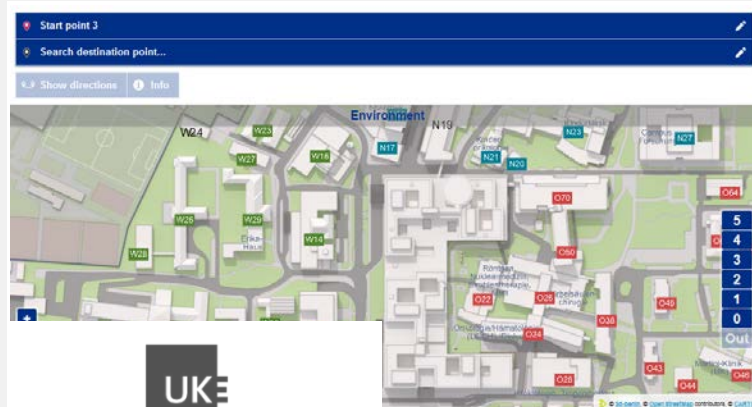
Mall of Berlin
Berlin (DE) | 2016
www.easy-guide.mobi/100078



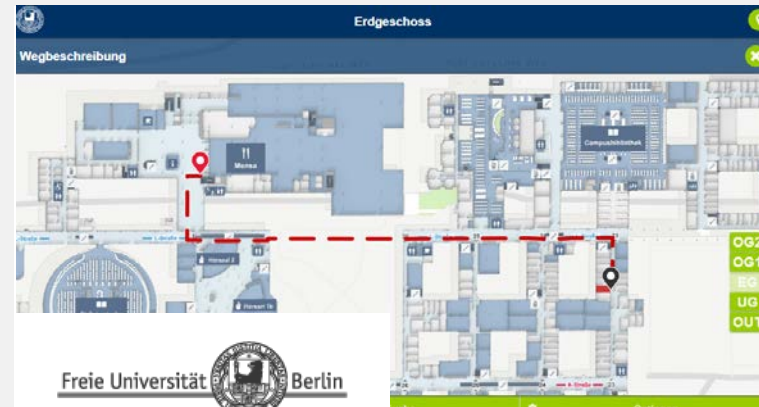
Sello Shopping Center
Espoo (FI) | Mar 2014
www.g3d.me/to/sello-web



Integrated Systems Europe
Digital Floorplan
Amsterdam (NL) | 2018
www.easy-guide.mobi/100023



Universitätsklinikum
Hamburg-Eppendorf (DE) | Oct 2017
www.g3d.me/to/uke-web
www.easy-guide.mobi/100080



Freie Universität Berlin
Berlin (DE) | Sep 2016
www.easy-guide.mobi/100049

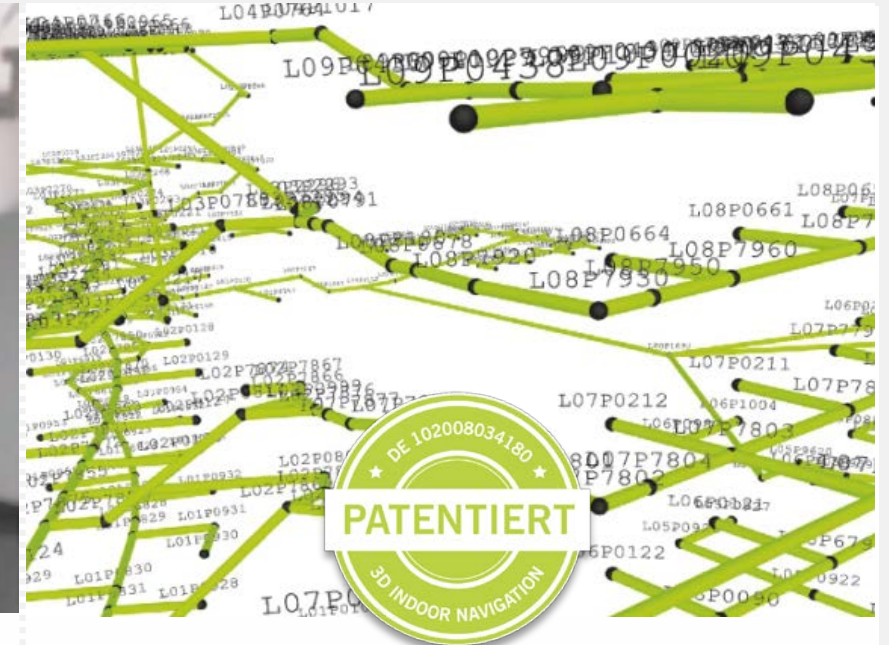


Car-Finder @ A10 Center
Wildau | DE | Oct 2016
www.easy-guide.mobi/100068
Concept: www.g3d.me/to/carfinder-en





3d-berlin vr solutions GmbH is specialized in interactive wayfinding solutions and develops unique applications with the solutions 'Guide3D' (3D wayfinding) and 'easyGuide' (2D wayfinding) running on multiple devices: kiosk systems, mobile devices, browsers and as printout. www.3d-berlin.com



Based on complex three-dimensional networks, the wayfinding system calculates the shortest way. Fully accessible and mono-directional ways as well as closed ways are standard features.

www.g3d.me/to/route-network



DEVELOPED FOR PARTNERS: THE WAYFINDING MODULE

The 'easyGuide maps engine' is a generic, high-performance, intelligent map module with a wayfinding function for easy integration into your applications: Native mobile apps, digital signage platforms and web apps.
www.g3d.me/to/easyguidemapsengine-concept-en

BECOME A PARTNER!

Expand your product portfolio with 'easyGuide maps engine' & secure attractive conditions, technical support, as well as free feature updates:
sales@3d-berlin.com

YOUR CONTACT PARTNER



Dr. Björn Clausen | CEO

bjoern.clausen@3d-berlin.com

T: +49 (0) 30-81 61-20 80



Yvonne Oscandi | International Sales

yvonne.oscandi@3d-berlin.com

T: +49 (0) 30-81 61-20 79

Website: www.3d-berlin.com

Success Stories: www.g3d.me/to/references

Test demos live: www.g3d.me/to/demo

3d-berlin vr solutions GmbH
Geisbergstraße 16
10777 Berlin | Germany

CEO: Dr. Björn Clausen, Dipl.-Ing. Adrian Zentner
Amtsgericht Berlin Charlottenburg, HRB 128878
USt-IdNr.: DE273158896