

VisionR Module  
**Graphics**



*This is a module for vector graphics. You can manage multiple drawings (e.g. floor plans, technical drawings etc.). All graphical data is stored in a database. You can bind graphical objects with data and later search and generate reports over people, spaces, inventory etc. No special client is needed. Drawings are viewed and edited directly in a browser.*

## Description

The VisionR module "Graphics" is used to manage vector graphics data online. To use this module an additional graphics server must be installed.

Vector graphics are organised in drawings. There is read and write access to graphical layers. Simultaneous editing of drawings by different users is possible. Drawings are saved in an editable hierarchical tree view. All drawing elements (point, line, polygon) can be attached to data from all other VisionR modules. The module can be used to manage floor plans with inventory items. Images and scanned documents can be attached in the drawings. Search and highlighting function provide graphical visualisation for facility data.

Navigation between the drawings can provide view in different scales (e.g. country > location > building > space > inventory).

## Functional overview

- management of vector graphics online
- drawings in different scales
- management of floor plans and inventory
- attachment of images and scanned documents
- hierarchical drawing view
- read and write access for drawing layers
- simultaneous editing of drawings by different users

## Options

- Import / export in DXF format
- Print drawings as PDF

## Technical details

- "Geoserver" used as graphical engine
- points, lines, polygons and text are saved in a PostGIS database
- all drawing properties can be adjusted to the customer's needs
- layout changes are possible
- complete internationalisation

## User roles

- **Viewer**  
has read access to drawings
- **Designer**  
has write access to a set of drawings and layers;  
can attach data to the graphical elements
- **Drawing administrator**  
can create new drawings and layers;  
can edit access rights for drawings