OKTAL-SE
Synthetic Environment

EO ✓
AEO ✓
RF ✓
GNSS ✓
RAY ✓

SE-AGETIM-INDOOR

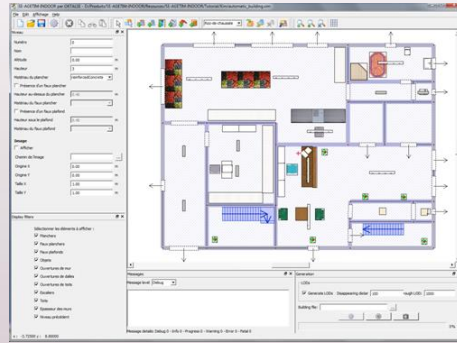## BUILDING TEMPLATE CREATION

SE

FAST ✓

SE-AGETIM-INDOOR is dedicated to the edition of building plans, including furniture, lighting and decoration objects. SE-AGETIM-INDOOR automatically handles the extrusion of buildings with exterior and interior structures (walls, floors, staircase...).
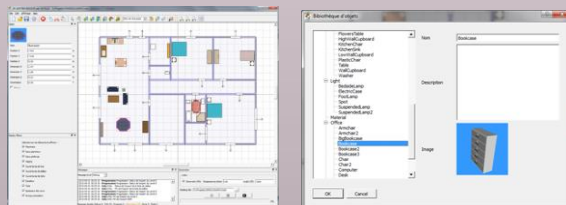
Features

- **Automatic 3D building generation software for multisensors simulation use (EO, AEO, RF domains)**

- **Easy re-generation of 3D buildings**

- **Dedicated both to real-time and non real-time 3D terrain exploitation.**

- **Large libraries of 3D aperture, furniture, objects and aspects included.**

The SE-AGETIM-INDOOR software

A building plan is a description of the levels (floors) composing the building. It describes parameters such as the outside walls outline, the inside walls, the walls, ceiling and floor materials and aspects, the apertures, the furniture, the roof style, etc.
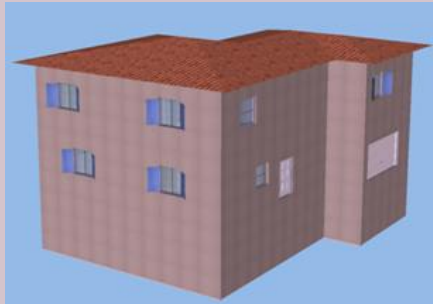

The user can create floors (upper floors, basement floors) with complex outlines, inner walls and choose the outer and inner walls and floor materials and aspects from the material and aspect libraries.
Then he creates the floor and wall apertures from a library in order to select and place doors, windows, etc. The user can also connect the floors by creating stairs and elevator shafts.
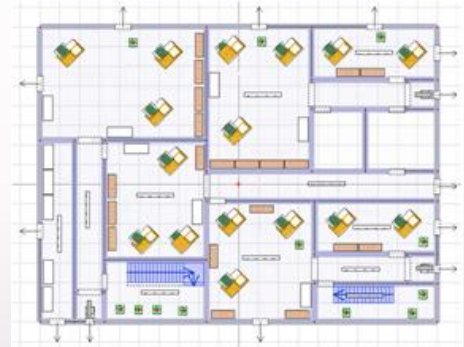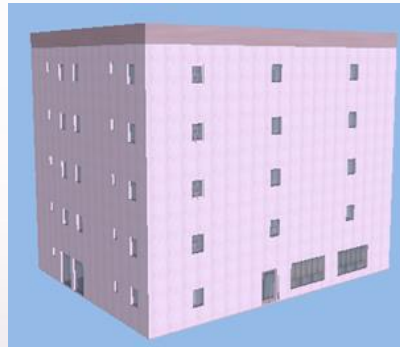
Benefits

- **Automatic generation of a complex and complete buildings**

- **Creation of geo-specific or geo-typical buildings**

System requirements

Windows

The user can add furniture, lights and objects everywhere from a furniture and object library.

At any step of the building plan edition, the user can generate the corresponding 3D building to evaluate it, correct and enrich it. Once the plan is complete, the final building can be generated and integrated in a database.

It can also be used to model realistic buildings from real plans.

Integration in a SE-AGETIM database

SE-AGETIM-INDOOR buildings can then be integrated in a SE-AGETIM database as punctual features.