



BIM MODEL

User use a detector type
Choosing what room to place detectors

Load all chosen room form the model

For each chosen room

Determinate rooms conditions
(Air conditioning, close ceiling,
room height, ceiling beams etc.)

Determinate situation placement

Situation "A"

Determinate coordinance for room center

Create a detector with determinated coordinance (adding detector to database)

Place detector (Graphical representation)

Situation "B"

Determinate number of detectors to cover room side "a"

Determinate even detector distribution for room side "a"

Situation "C"

Determinate number of detectors to cover room side "b"

Determinate even detector distribution for room side "b"

Situation "D"

Determinate number of detectors to cover side "a" and side "b"

Determinate even detector distribution for room side "a" and room side "b"

For each detector <= determinate number of detectors

Determinate coordinance for placement

Create a detector with determinated coordinance (adding detector the database)

Place detector (graphical representation)

All detectors are placed, graphically represented in the model and added to the database. BIM MODEL was updated.