



DIMMER



SEVENTH FRAMEWORK
PROGRAMME

Small or medium-scale focused research project (STREP)
FP7-SMARTCITIES-2013
ICT-2013.6.4 Optimizing Energy Systems in Smart Cities



DIMMER

DIMMER EXPLOITATION

DIMMER LIBRARY

Project: DIMMER – District Information Modelling and Management for
Energy Reduction

Project Duration: **2013.10.01 – 2016.09.30**

Grant Agreement number: **609084**

Collaborative Project



THE DIMMER LIBRARY

The DIMMER library of Revit components has been created in order to give the chance to professionals to use the DIMMER standard within their projects. The components were created in order to be useful in performing energy simulation; for this reason, details on the appearance of the material were not well-finished. The DIMMER library is available

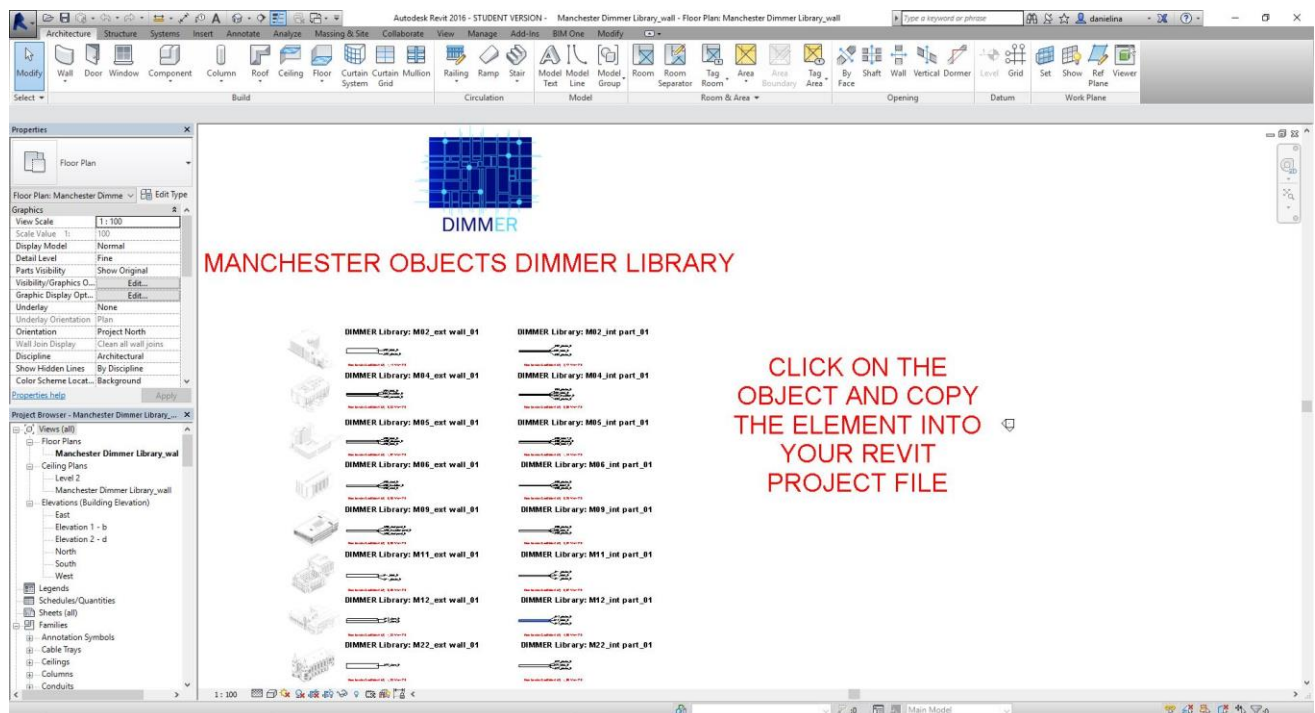
The DIMMER library of Revit components has been created in order to give the chance to professionals to use the DIMMER standard within their projects. The starting point for the creation of the library was the TABULA project; for each case study a construction typology was identified.

The components were created in order to be useful in performing energy simulation; for this reason, details on the appearance of the material were not well-finished. The DIMMER library is available on the DIMMER website, from which several components can be downloaded.

AVAILABLE DOCUMENTS

Documents available for download:

- A .rvt file for each family (Manchester Dimmer Library_wall, Manchester Dimmer Library_floor, Manchester Dimmer Library_roof);
- A .rte file, as example of a project file;
- A .ifc format;
- The DIMMER Library, where all materials used in the structure of components are stored (.adsklib format).



CASE STUDIES

1. M02:
The Mill, Manchester
2. M04:
MBS East, Manchester
3. M05:
MBS West, Manchester
4. M06:
James Chadwick, Manchester
5. M09:
Alan Gilbert, Manchester
6. M11:
Min Library, Manchester
7. M12:
Manchester Museum, Manchester
8. M22:
Whitworth Hall, Manchester
9. M26:
Whitworth Park Aberdeen House, Manchester



NOMENCLATURE

Each .rvt file contains several types of components, named as following: Ncasestudy_component_phase.

1. Manchester Dimmer Library_wall

In this family the following type of walls are included:

External walls

- M02_ext wall_01
- M04_ext wall_01
- M05_ext wall_01
- M06_ext wall_01
- M09_ext wall_01
- M11_ext wall_01
- M12_ext wall_01
- M22_ext wall_01
- M26_ext wall_01

Internal Partitions:

- M02_int wall_01
- M04_int wall_01
- M05_int wall_01
- M06_int wall_01
- M09_int wall_01



- M11_int wall__01
- M12_int wall__01
- M22_int wall__01
- M26_int wall__01

2. Manchester Dimmer Library_floor

In this family the following type of floors are included:

Floors

- M02_floor_01
- M04_floor_01
- M05_floor_01
- M06_floor_01
- M09_floor_01
- M11_floor_01
- M12_floor_01
- M22_floor_01
- M26_floor_01

3. Manchester Dimmer Library_roof

In this family included the following type of roofs are:

Roofs:

- M02_roof_01
- M04_roof__01
- M05_roof__01
- M06_roof__01
- M09_roof__01
- M11_roof__01
- M12_roof__01
- M22_roof__01
- M26_roof__01

The DIMMER material library contains all the materials used in the case studies of pilot districts, renamed in the following way: Ncase study_material_phase, for example: M04_brick_01.