

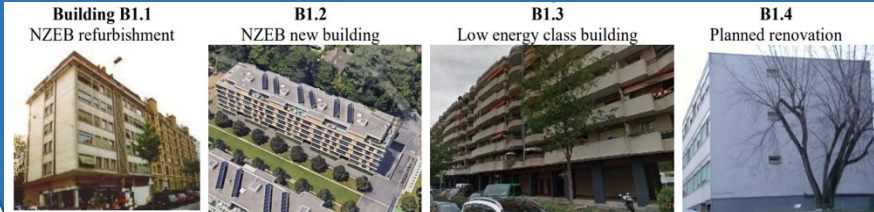
# WP5 – DEPC Cyprus demonstrations

Prepared by:

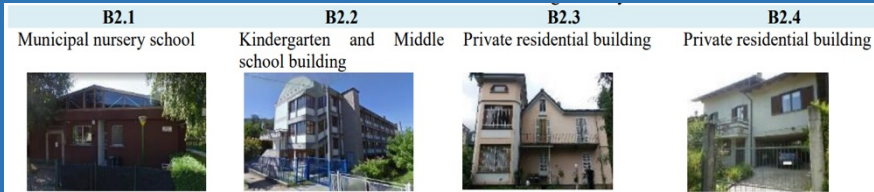
Flourentzos Flourentzou

# Building case studies

## #1 Geneva



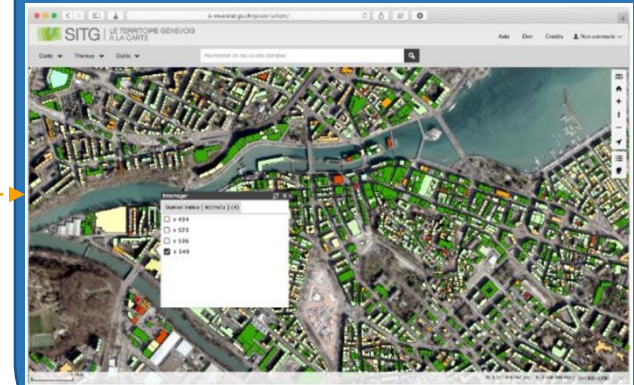
## #2 Torino



## #4 Aalborg



## #5 Geneva



## #3 Nicosia





## Cyprus buildings

B1.1. Mayors building with a reception ground floor  
(West external shading)

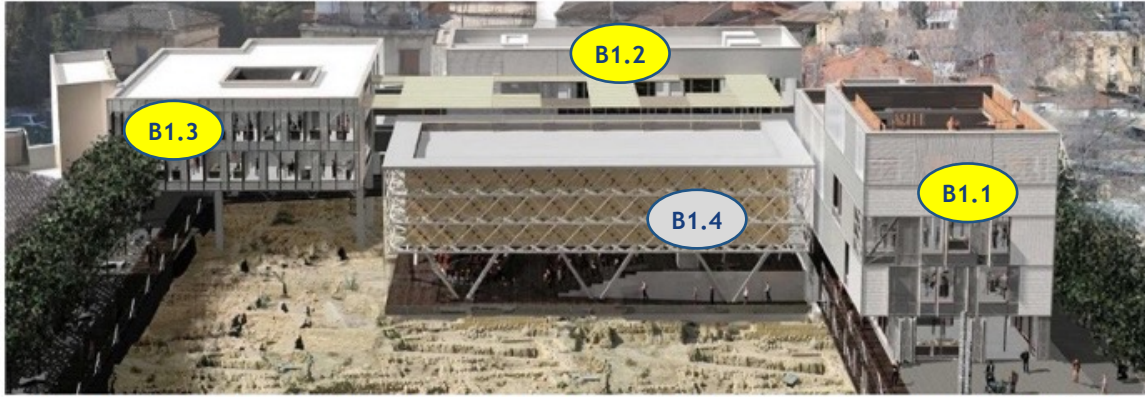
B1.2. Wedding building with several services  
(automatic openings for stack ventilation)

B1.3. Master plan office building with central open skylight  
(central skylight for better natural lighting)

For comparison reasons, measurements in an an ancien  
office in Larnaca (B4) and an NZEP light construction  
building at Strovolos (B5).



### 3. Cyprus municipality, 3 buildings, (B1.4 under construction)



**Figure 9** buildings of the new Nicosia municipal NZEB quarter recently finished

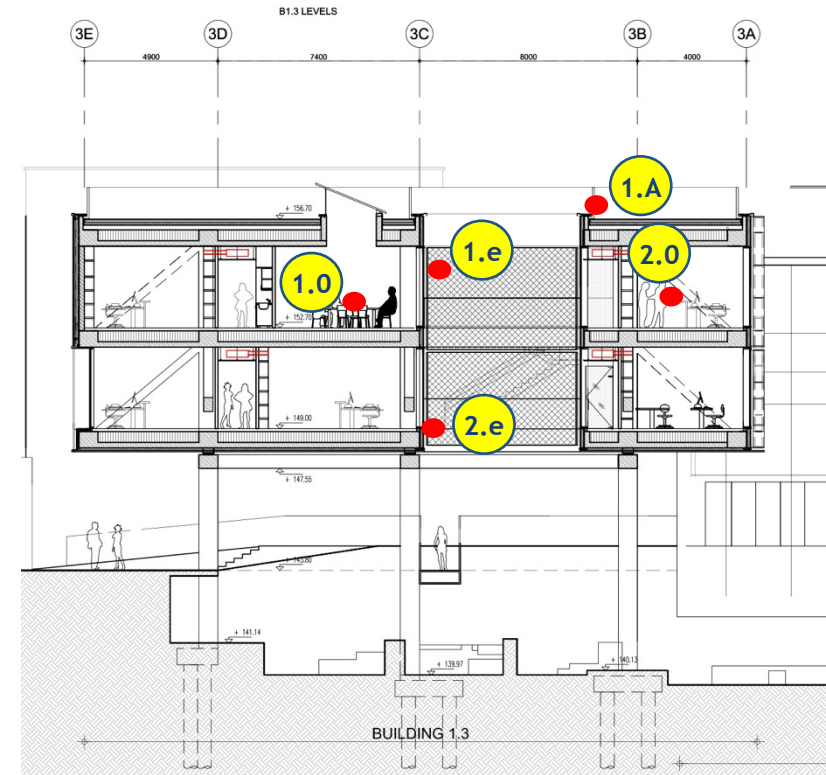
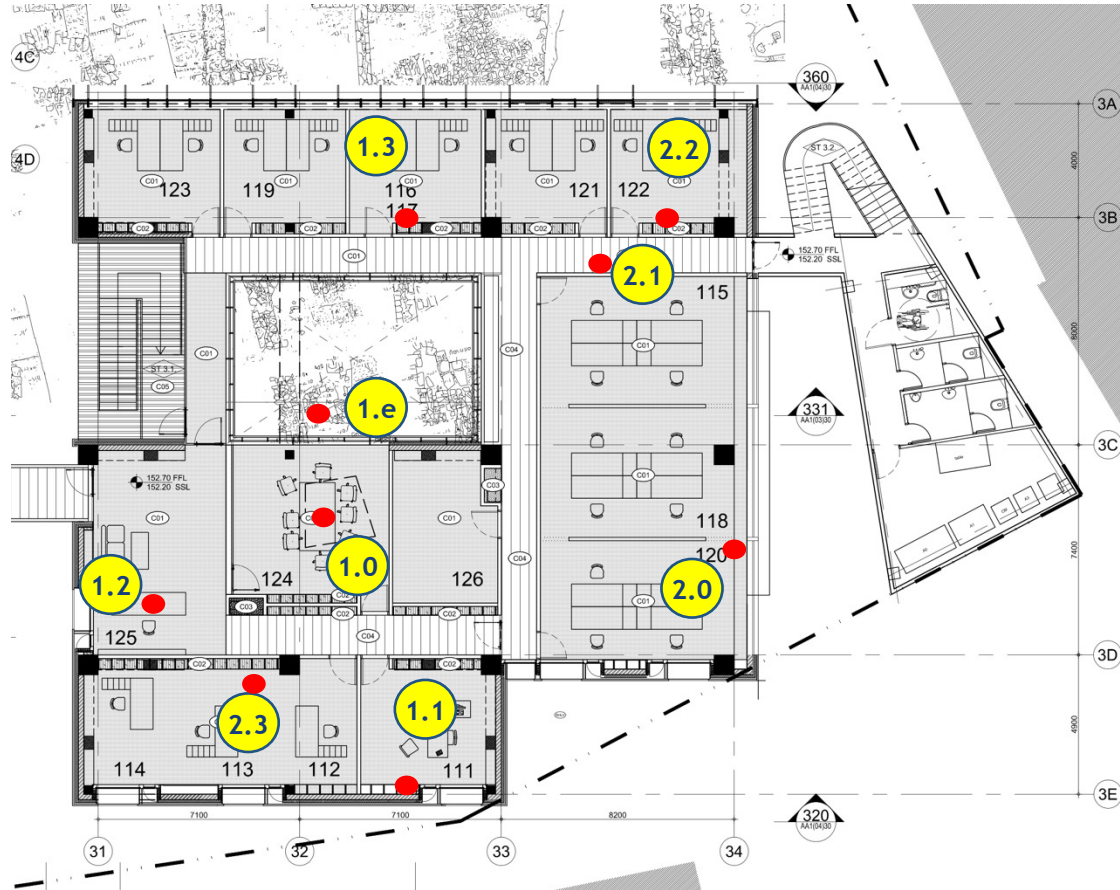
KNX transmission central metering and submetering

1. Metering total electricity consumption (central meter B1.1+B1.2+B1.3 (+B1.4))
2. Metering total electricity production
3. Submetering B1.1 total
4. Submetering B1.1 air conditioning
5. Submetering B1.2 total
6. Submetering B1.2 air conditioning
7. Submetering B1.3 total
8. Submetering B1.3 air conditioning

Netatmo IEQ sensors (3 stations + 5 ClassAir dataloggers)

1. Building B1.3.1 (second floor): base IEQ, (T, CO2, RH, P, Sound) + 3 extra IEQ (T, CO2, RH) + T external + anemometer
2. Building B1.3.2 (Second floor) base IEQ, (T, CO2, RH, P, Sound) + 3 extra IEQ, (T, CO2, RH) + T external
3. Building B1.2 second floor base IEQ, (T, CO2, RH, P, Sound) + 3 extra IEQ, (T, CO2, RH) + T external in the air inlet cavity
4. Extra stand alone data loggers, 2 for B1.1 ground floor, B, 2 for B1.2 first floor, B1.3 exterior building in the WC.

## B1.3 IEQ sensor position







## B1.2.4 Larnaka standard old office

