



**E4C CHALLENGE**

**« GREENER BUILDING: THE CO2 FOOTPRINT REDUCTION CHALLENGE »**

**PROJECT TITLE**

**GROUP OF STUDENTS**

1. First name, Last name, Education program, Institution
2. First name, Last name, Education program, Institution
3. First name, Last name, Education program, Institution
4. First name, Last name, Education program, Institution

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| **Project abstract (2500 characters max.)** |

**Team description**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A photo, a small bio (10 lines max.) and, if relevant, role in the team, of each member of the team.

(You can reuse your descriptions from the first deliverable)

**Background**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Briefly describe the Drahi-X building in terms of energy production/consumption (and it’s monitoring), CO2 production, and who utilizes the building. Reformulate and describe your findings from the first deliverable, focusing on the consumption insights. Describe basic strategies to manage energy consumption and CO2 emissons in buildings with self-production.

(2 to 4 pages)

**Proposed Strategy**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Detail your solution and strategy to reduce CO2 emissions for the Drahi-X building, using supporting information, such as from your first deliverable, the winning prediction model, literature review, etc. Your strategy should be properly motivated by the supporting information. Also address challenges in acceptability by the building inhabitants, as well as provide the estimated reduction in CO2 production with your solution implemented.

Make sure to discuss:

* The effects on the building inhabitants
* The effects on energy consumption
* The effects on CO2 emission
* The cost of implementation

(3 to 5 pages)

**References**

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List the bibliographic references used in this document.