

USER ASPECT CONSIDERATION IN THE ENERGY MANAGEMENT OF UNIVERSITY BUILDINGS: COLLECTIVE SELF-CONSUMPTION CASE

Presented by

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1 – Context

2 – Proposed EMS structure

3 – User awareness solution

4 – User interaction with EMS

5 – Summary

1 - Context

Energy consumption in buildings

EU: 50% heating & cooling

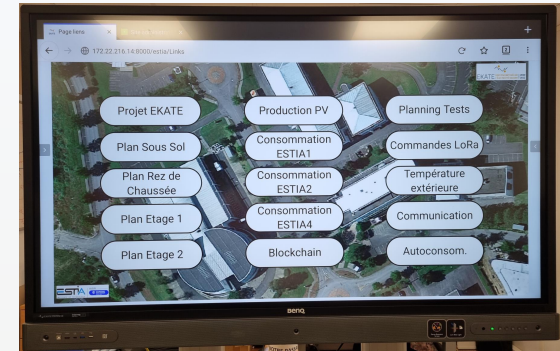


2 – Proposed EMS structure



MODBUS TCP


django
python



TCP



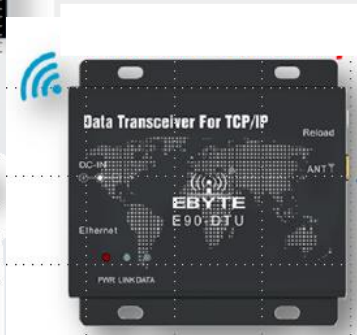
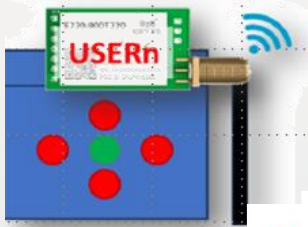
API WEB

 **Raspberry Pi**

API WEB




TCP

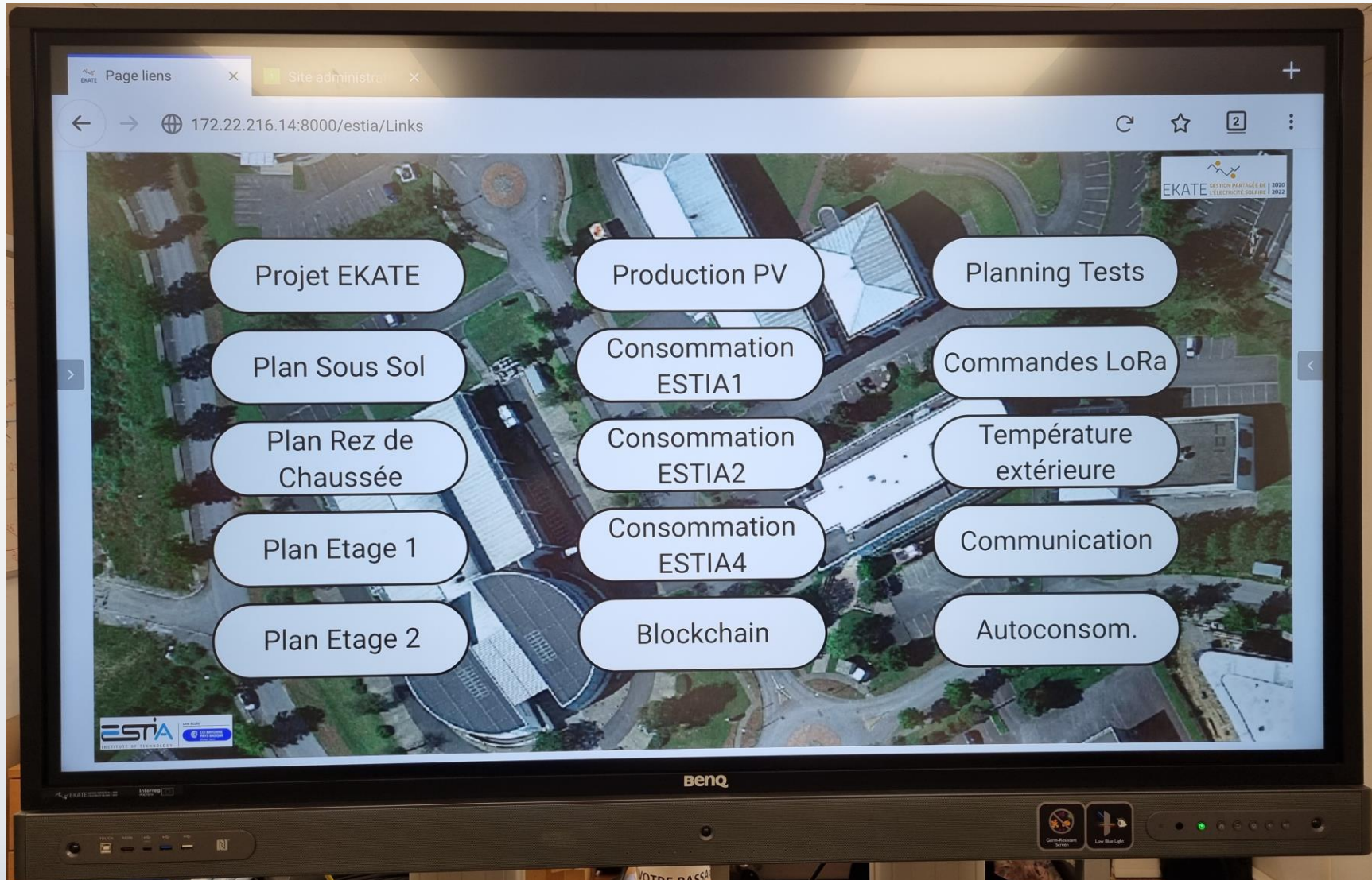


TCP

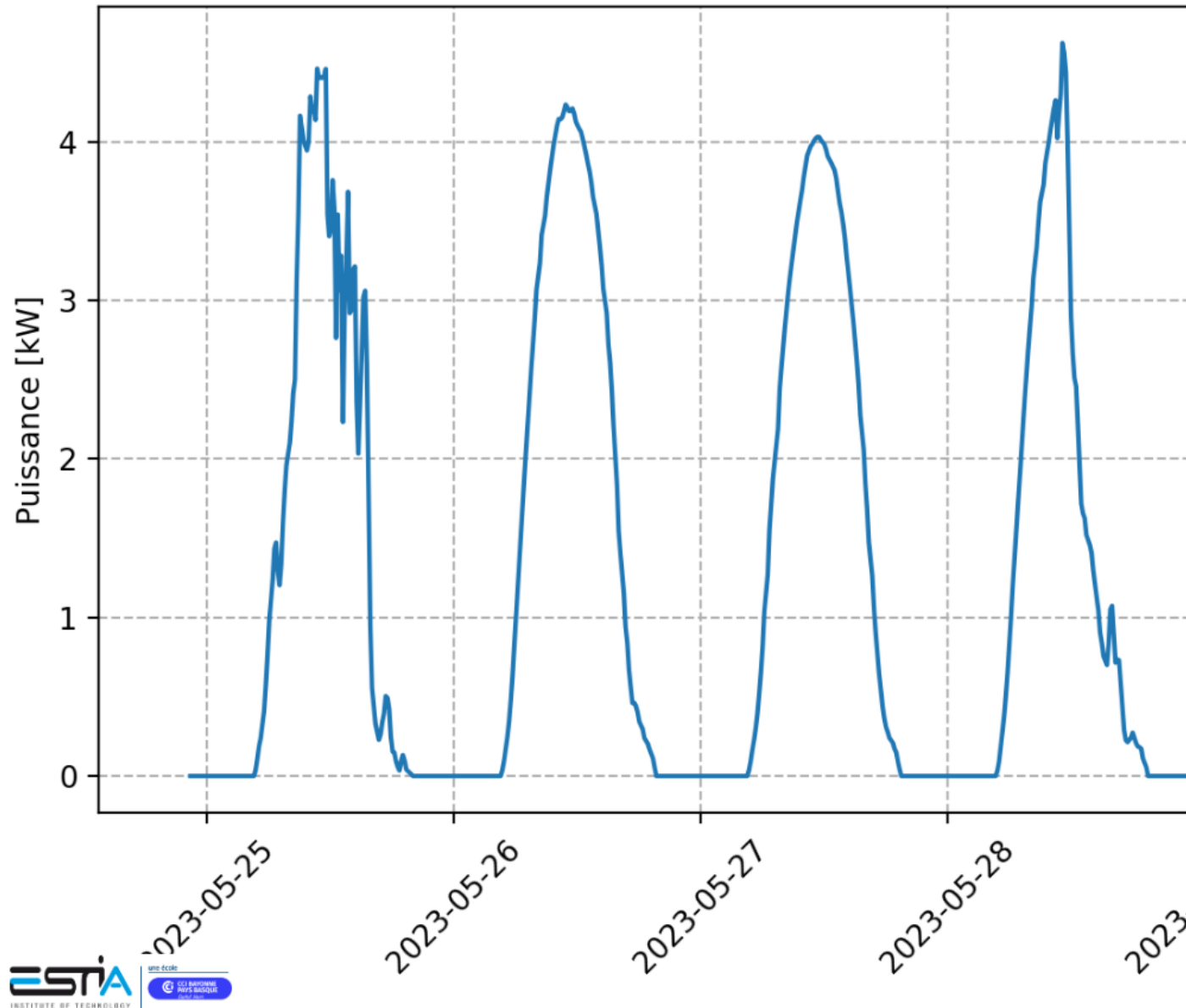



OpenWeather

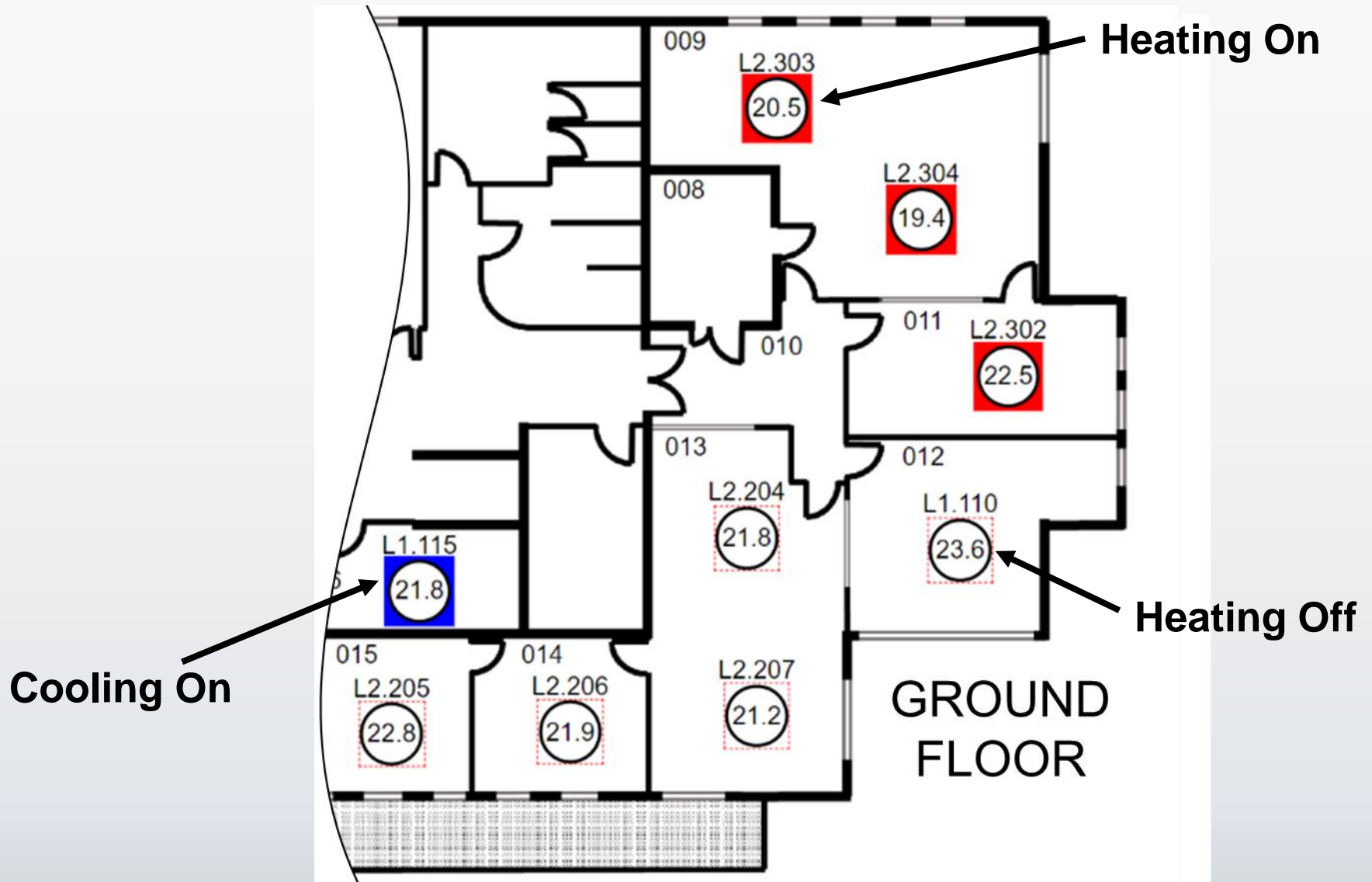
3 – User awareness solution



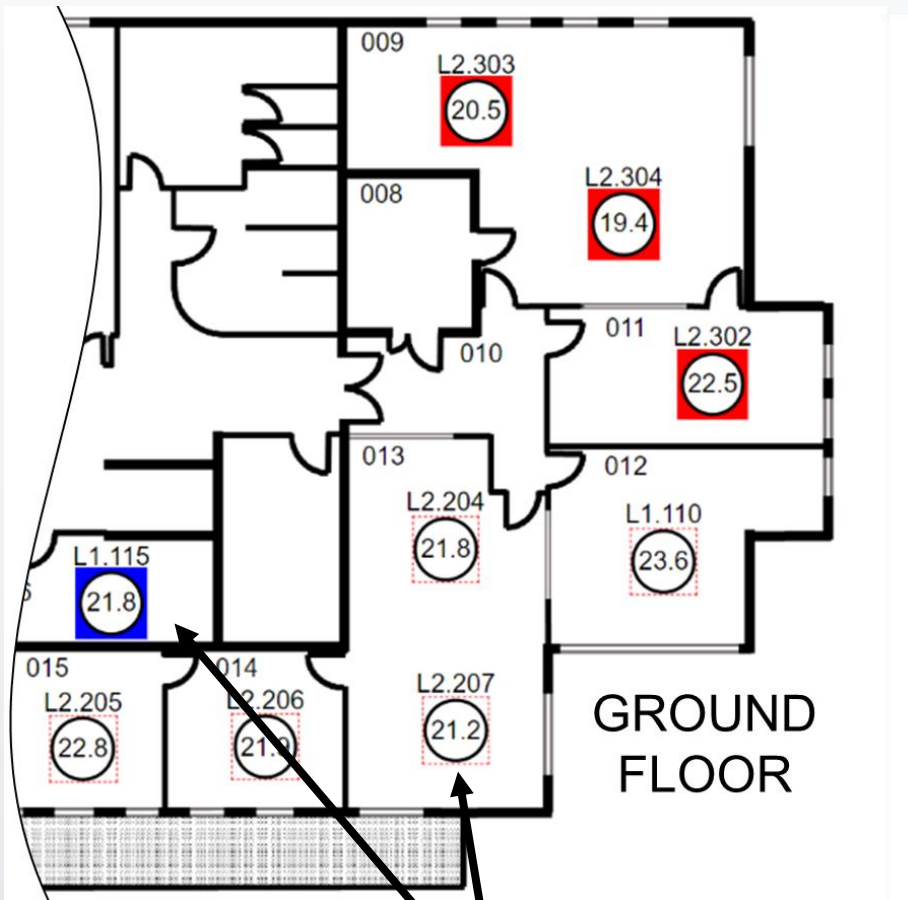
3 – User awareness solution



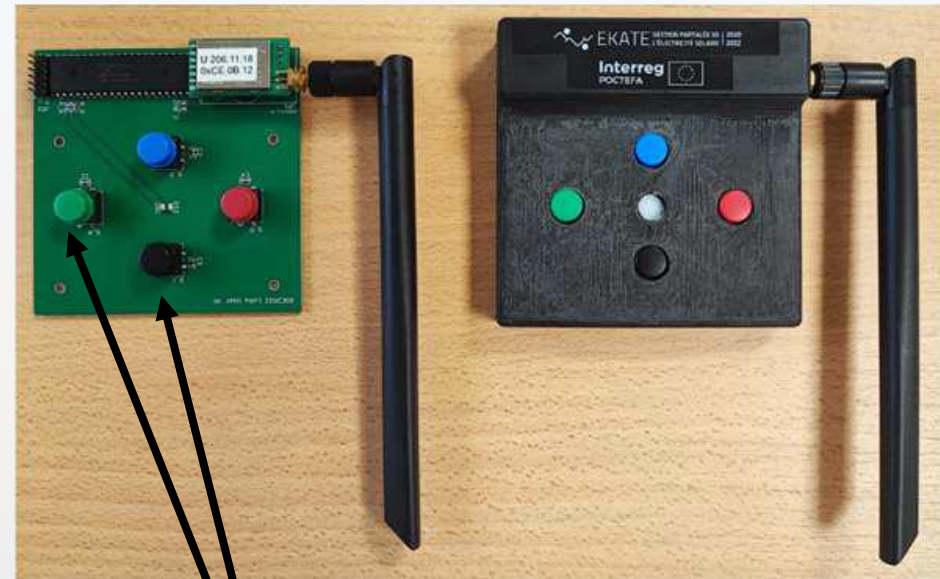
3 – User awareness solution



4 – User interaction with EMS

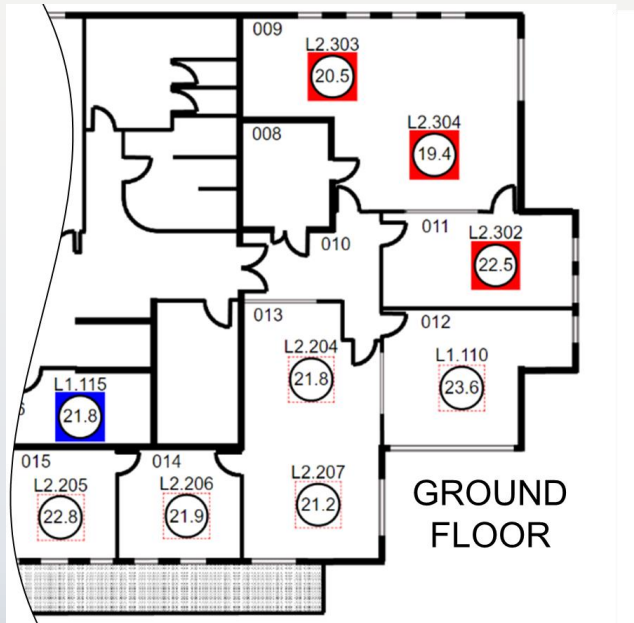
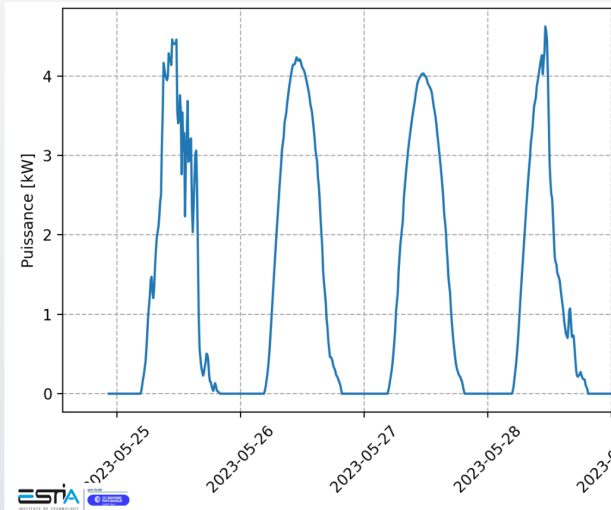
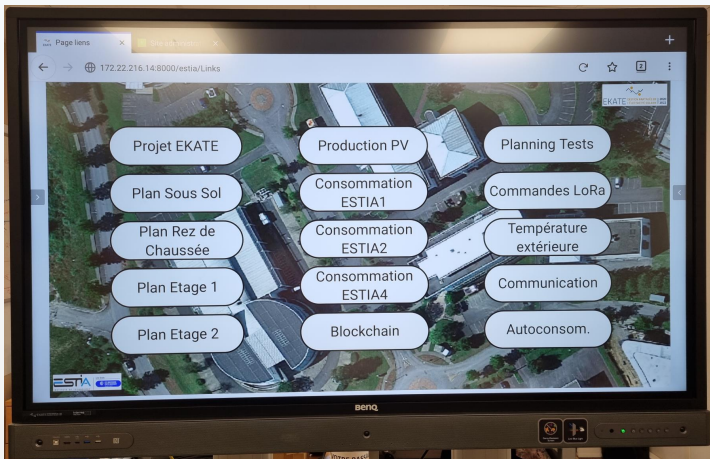


Interface buttons



User box buttons

5 – Summary





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