

# Example of cooperation between social housing providers and training bodies

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20 February 2018

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*Vos envies,  
nos défis*  
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**est**  
METROPOLE  
HABITAT

# Summary

1- innovation at EMH FOR NZEB

2- A win win partnership

3- Change the tenants from consumers into actors



# 1/ innovation at (est metropole habitat) FOR NZEB

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For 2 years EMH develops by its service of R&D, an approach "On the accommodation of tomorrow" which questions us about our everyday life:

What will be the needs in the accommodation of tomorrow in term of uses and comfort for 2030?

- The problem of the summer comfort is certainly going to become more important than that of winter.
- Problem of humidity and of quality of air in the accommodation.
- The support of the ageing tenants.
- Our needs in energy to answer in our new, more and more connected lifestyle.



# 1/ innovation at (est metropole habitat) FOR NZEB

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We think that it is necessary to approach the problem of NZEB on the scale of our needs of tomorrow and not only to those of today.

That's why we commit(hire) more steps(initiatives) on the NZEB and more particularly on the approach(initiative) ENERGIES SPRONG

## Here is some example of realizations:

- Project " Noirettes " 980 Housing
- European project H2020 " Heart " 20 Housing
- ADEME project " ARE OP " 10 Housing



## 2- A win-win partnership



For 5 years we have to create a partnership with the ENTPE (National school of the Public works).

- At first, we organized visit of construction site (work),
- Secondly we took students in internship (training course),
- Thirdly I began in given by the courts (courses, prices, yards) in students with concrete case studies



## 2- A win-win partnership

**To finish this day:** we make students work on real projects to be realized (energy of the premises(place) with bikes to the project of rehabilitation of 980 housing).

we work with researchers of the ENTPE for our project of innovations, as well as on our call for projects, example of the project " Heart "

- Innovate in the field of the digitalization.
- Innovation in materials construction less to consume of carbon.
- Propose new materials (coworm facade, of ground, sanitary furniture etc.)



### 3- Change the tenants from consumer into actor

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Before we made the tenants participate, now we make some co-design with inhabitants

The inhabitants wish that the accommodation of tomorrow adapts itself to their use and not that it belongs to them to adapt itself in piece of news technology #NZEB

To create tools where the inhabitant will receive an information on the follow-up and the management of these consumptions.

Tools which in vocation to be understood as well by children as by adults and about is the language spoken,

This tools is in the course of design between EMH and the ENTPE

