

A 100% Sustainable Development YH - FUAJ - Paris Yves Robert YH – France

SUMMARY

Project Description: Five actions to implement and improve this already very sustainable development Youth Hostel; sorting Table at the restaurant, electric compactor, compact balling press, WattaTable and Permaculture

Project Type: Energy Efficiency, education in sustainability and permaculture

National Association: FUAJ (Federation Unite des Auberges de Jeunesse)

Project Location: Youth Hostel Paris - Yves Robert

Estimation of number of reduced tonnes of CO2 per year: the five actions will reduce waste and educate in sustainability and therefore reduce tonnes of CO2

Total Funds Requested: £ 25,000

Total Project Cost: £ 26,599.29

Annual £ saves and ROI (return of investment): Not provided

Why should this project be funded ahead of others?

Each step of the building life has been designed in order to best limit its environmental impact: chart « clean construction sites », technical innovation (photovoltaic panels, solar thermal panels, Canadian well, wood structure...).

Today, Paris Yves Robert Youth Hostel is a centre point to the neighbourhood life also thanks to the many activities proposed: environmental workshops, documentary broadcasting, events proposed by neighbourhood associations...

Thus, Paris Yves Robert Youth Hostel intrigues and fascinates everybody who has a little interest of the environment. Tour guides are organized for everybody who wants to discover the Youth Hostel (school, company, residents...). That is why national French channels made television coverage about the Youth Hostel and also some articles are presented on Internet.

All this proves that the ZAC Pajol project is became the reality and an example on all aspects of sustainable development in Paris (social, environment and economic).

So, it is now our role to keep this approach alive, in encouraging our members, partners, neighbour and also our staff in this process and to realize all the future challenges at the Paris Yves Robert Youth Hostel



DETAILED PROJECT INFORMATION

Purpose / objectives

Benefiting from a very efficient building thanks to its innovative solutions (solar panels, HVR, Canadian well and “The Green Key” certified since 15th November 2013), we decided to focus on 2 main objectives:

1. Environmental education and raising awareness of environmental issues

Welcoming many school trips and children from the neighborhood, we are aware that we can make a difference by showing them (or teaching them) basic gestures in their everyday life with a lesser environmental impact. According to us, protecting the environment shouldn't be considered as a “burden” but should be seen as easy and gratifying.

2. Easing the strain on natural resources

This subject can be broached in different manners : having a better waste management (which is a huge challenge in our hostel), improving our waste sorting and implementing different actions to raise staff and guests' awareness or consuming better the resources at our disposal (food, energy...)

A. Sorting table at the restaurant

A sorting table in our restaurant would allow us to better sort the different wastes in our kitchen: organic, recyclable, and non-recoverable.

We can note 2 main objectives: first to raise awareness of food waste, it would be an education tool for all our users and second, to better recover organic waste in order to give them a “second life” as compost.



Moreover, to invest in a sorting table would allow us to anticipate future regulations.

Project type:

Environmental education and waste reducing

Estimation of number of reduced tones of CO2:

Bio wastes are to be recovered in order to be transformed into compost or biogas which will reduce the use of regular fuel and therefore reduce CO2 emissions.

Total Project Cost:

Estimated cost: 11 600€ - 9 212.20GBP. The price includes the purchase of the sorting table (3000€) and the recovery service for a year (43 000 meals/year x 0.20€ = 8600€).

Why should this project be funded ahead of others?

This project would allow the hostel to reduce its waste production and limit the cost of a new dumpster (which would cost us an additional 1 000€/quarter).

B. Electric compactor

Our users throw a lot of plastic bottle and fill quickly our recycle bin. We thought about how to limit this production or how to recycle it. We wanted to put water fountains in the corridors but because of the building it was not possible.

So we found an alternative solution which is to put an electric compactor near our vending machines.

We considered an electric compactor for our plastic bottles because it would help us reduce the sheer volume of them in our dumpsters. What's more, the electric compactor could be used as a tool to educate people on waste sorting and eco-friendly behavior while recycling our plastic bottles and insuring their traceability after they leave our premises.

The company CKFD recycles more than 8 tons of aluminum cans, 2 tons of plastic bottles and more than 1 million paper cups annually. The company insures the traceability of our wastes and make sure of the efficiency of their collection.

The company shows signs of a very active and dynamic environmental policy. For instance, the funds they collect from their wastes collection are donated to 2 associations:

- Mira Europe: funds the training of guiding dogs for blind people.
- Knet Partage: educational association



Project type:

Environmental education and waste reducing

Estimation of number of reduced tones of CO2:

This Electric compactor would permit to separate the plastic bottles and theses bottles would be raised and recycled, that it will reduce our waste.

Total Project Cost: Estimated cost:

4 070€ - 3 235.68GBP. The price includes the purchase of the compactor (2870€) and the recovery service for a year (100€/month = 1 200€/year).

Why should this project be funded ahead of others?

This project would allow us to better recover and recycle our plastic bottles, aluminum cans and such which represent a large part of our recoverable wastes. Furthermore, through this project we would also generate a positive social impact thanks to the company CKFD.

C. Compact balling press

Our catering service generates a huge amount of cardboard boxes that are thrown away once they are emptied. Even though waste collection is regular, some cardboard are always left behind because not accepted by the people collecting them. After many negotiations and work in collaboration with our suppliers, we reached a certain point where we can't reduce anymore our cardboard boxes production. The solution we thought was adapted to our situation was a **compact balling press**.



Project type:

Waste sorting and recycling

Estimation of number of reduced tones of CO2:

As all our projects, this tool will allow us to better improve in reducing the number of our waste.

Total Project Cost: Estimated cost:

3 980€ - 3 164GBP. The price includes the purchase of the compact balling press (3500€) and the services for one year (4x120€ = 480€).

Why should this project be funded ahead of others?

Indeed, this action could allow us to sort out and recycle a larger part of our cardboard boxes thus avoiding purchasing a new dumpster. (1,000€ / quarter for an additional dumpster).

D. WattaTable

This innovation comes from the Belgian company We Watt. WattaTable is an interactive device composed of 2 to 4 bikes allowing users to recharge the batteries of their phones, computers or touchpad by the sheer force of their own legs. So, **it's generating healthy electricity**.



Nowadays, everybody is connected with a phone / computer / touchpad. Devices that need to be regularly recharged increasing thus our energy consumption. Besides, more and more people lack sports, by lack of time or desire.

Such this project would allow us to combine physical exercise and eco-friendly behavior for the well-being of our guests and of their energy consumption.

“Start pedaling while seated and plug in your electrical devices (computer, Smartphone...). Charging starts even when pedaling at a gentle pace”

Technical characteristics of a WattaTable:

- Table top : TRESPA/Green material using 70% of recycled industrial waste
- Frame : Recycled aluminum
- Seat cover : Waste/recycled leather
- Side wall : waste/recycled PEFC ®Certified
- 30 - 100 Watt average per seat

Project type:

Environmental education and energy reducing

Estimation of number of reduced tones of CO2:

If our guests used this device to recharge their batteries, this would reduce the energy bill of the hostel and therefore reduce our carbon footprint.



Total Project Cost:

Estimated cost : 13 332 € - 10 589.92GBP. The price includes the purchase of two WattaTable.

Why should this project be funded ahead of others?

This action is very interesting in different ways. It combines physical exercise with an eco-friendly behavior raising awareness on 2 issues. Nowadays, people think that protecting the environment is constraining and we aim to prove to them that it is not so. That it can be fun and gratifying.



E. Permaculture

Permaculture is a way of life combining farming and achieving a better land use. This art is not a way of thinking but a concrete way to act and take into consideration the biodiversity of our ecosystems. Permaculture is a branch of ecological design, ecological engineering, environmental design, construction and Integrated Water Resources Management that develops regenerative and self-maintained habitat and agricultural systems modeled from natural ecosystems.

Permaculture has a whole set of practices and principles aiming to achieve a sustainable agricultural production. Having pits featuring the principles of permaculture on our premises would be an ideal tool to raise awareness on sustainable agriculture, urban agriculture but also on food waste. Furthermore, we could also produce some vegetables for our own use.

So, our youth hostel will set up “permaculture” boxes and these boxes will be used as an educational tool for the scholar groups (biodiversity, urban agriculture) and to grow some plants for example that we need for our bar (mint, citrus...).



Project type:

Environmental education and ecological production

Estimation of number of reduced tones of CO2:

Such an agricultural production tends to be very energy efficient (manual and mechanical labor) and respects living beings and their interactions. It doesn't need any pesticides or other chemicals products and so reduces our carbon footprint.

Total Project Cost:

Estimated cost: 500 € - 397.49GBP. The price includes the purchases of 5 “permaculture” boxes and all the necessary equipment.

Why should this project be funded ahead of others?

This project could be an ideal tool to raise awareness on environmental issues such as the rate of loss of biodiversity in some cities.