

## Description of the enterprise or the organization:

**Artifex** is a small stonemasonry and permaculture design school based in Mallorca, Spain. We are based at Palma outskirts at an old manor house in need of restoration. Interns receive tuition and theory and at the same time restore the building with techniques they learn. Our range of activities is wide: drystone, mud and stone building, lime and earth mortars, lime wash and pigments, pebble mosaics, tesserae mosaics, stonemasonry, stone carving, stone lettering. Interns accommodate at the same building and share kitchen and cleaning. Also take care of the vegetable ecological garden and chicken roost.

## Previous experience with international programs:

Change Agents UK 2013 and 2014 Leonardo interns: 4 consecutive batches of english interns receiving sustainable building and permaculture practical instruction. 2-3 months each.

You can visit the links of our case experiences here:

- **Leonardo Programme: our final flow of interns**  
(<http://www.changeagents.org.uk/news/leonardo-programme-our-final-flow-interns> )
- **Leo Spotlight: sustainable buildings intern at Artifex Mallorca**  
(<http://www.changeagents.org.uk/case-studies/leo-spotlight-sustainable-buildings-intern-artifex-balear-mallorca> )
- **Leo Spotlight: sustainable buildings intern at Artifex Balear**  
(<http://www.changeagents.org.uk/case-studies/leo-spotlight-sustainable-buildings-intern-artifex-balear> )
- **Leo Spotlight: sustainable buildings intern in Mallorca Spain**  
(<http://www.changeagents.org.uk/case-studies/leo-spotlight-sustainable-buildings-intern-mallorca-spain> )
- **Artifexworkshop:** International architecture workshop with MIT, Cambridge, ETH Zurich, UNAM Mexic and ETSAM Madrid  
([http://www.artifexbalear.org/testimonials\\_eng.htm](http://www.artifexbalear.org/testimonials_eng.htm) )

## Potential Europeans programs:

**Target I:** foundations, ong's, universities. Graduates (architects, engineers, surveyors...) and volunteers looking for education in natural building techniques with local materials and low ecological footprint, as well as in the intersection between building and pernacultural design.

**Target II:** Low tech approach to R&D sustainable and renewable energies. Biomass (high efficiency masonry stoves, passive climatisation, use of agricultural byproducts and recycled materials to develop ecological solutions (wall isolation with vegetable fibers like hemp, rice husks, almond husks or bamboo, low tech solar air and water collectors, low tech water



pumps, low tech heating devices working with small biomass, sawdust...) Projects including passive climatisation and energy at the framework of **Cosme** or **Horizon 2020**.

We are especially interested in developing an **open source High Efficiency masonry stove manual for self builders**. See attached proposal for an open source masonry stove.

**Target III:** Educational proposals interested in cooperative learning based on a 75% project base practical part and a 25% theory education part **Erasmus+**

### **Activities that they can develop:**

- **Sustainable education:** traditional and bioclimatical building, low tech, permaculture design, based on a 75% practice and 25% theory scheme.
- Project based **education with local materials:** building a high efficiency masonry stove, an efficient oven, arches and vaults repairing old walls with lime mortars, pebble mosaics, permaculture design, active recycling ( cutting, welding, joining skills)...

### **Partnerships that they interested to collaborate with:**

- Universities interested in sustainable building practices
- Foundations and programs for lifelong learning/ sustainable economy, transition towns...
- NGO's involved in local projects
- NOG's sending instructors to developing countries
- Future project leaders leading local sustainable projects

If you are interested in **Artifex** as a partner, please contact with:

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