

# RENEWABLE ENERGY AND ENERGY EFFICIENCY

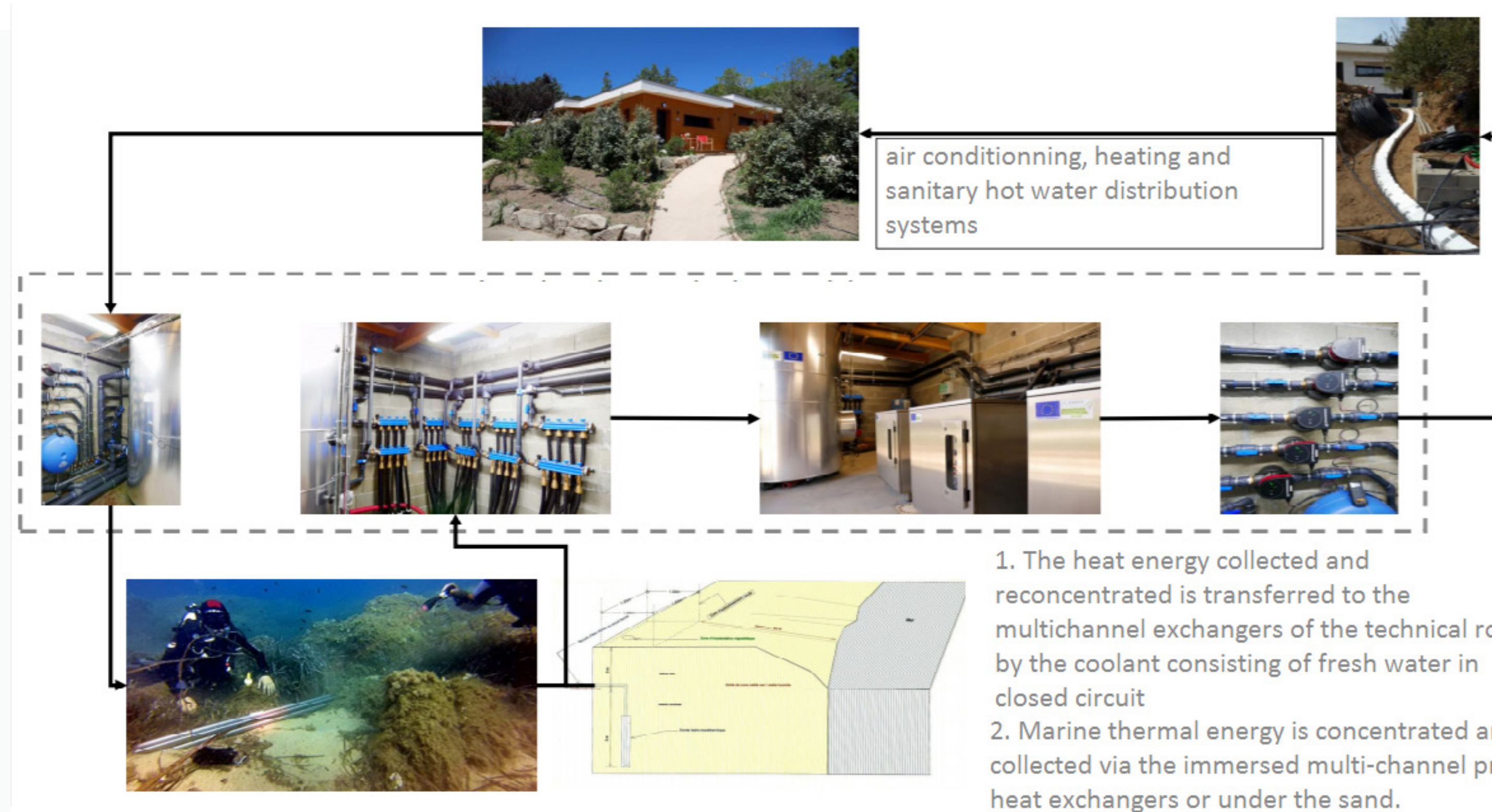
## Nérée 2 : Using the marine thermal energy

OP ERDF-ESF 2014-2020

Priority axis 4 "Support the transition to a low-carbon society"

### Objectives

The Holiday Village "U Livanti" is pursuing several goals by developing the use of innovative renewable energies such as marine thermal energy conversion. First, using this energy for all the thermal needs in water will allow a significant reduction in fossil fuels consumption, which, in turn, will lead to significant cost savings. This is also the opportunity to recognize "U Livanti" as a pioneer in this field via a European eco-label approach and ISO 26000 certification.



### Sustainable development goals

7 Affordable and clean energy  
12 Responsible consumption and production  
13 Climate action

### Partners Involved

The Agency for the Environment and Energy Management (ADEME) has financially contributed to the project.



### Project description

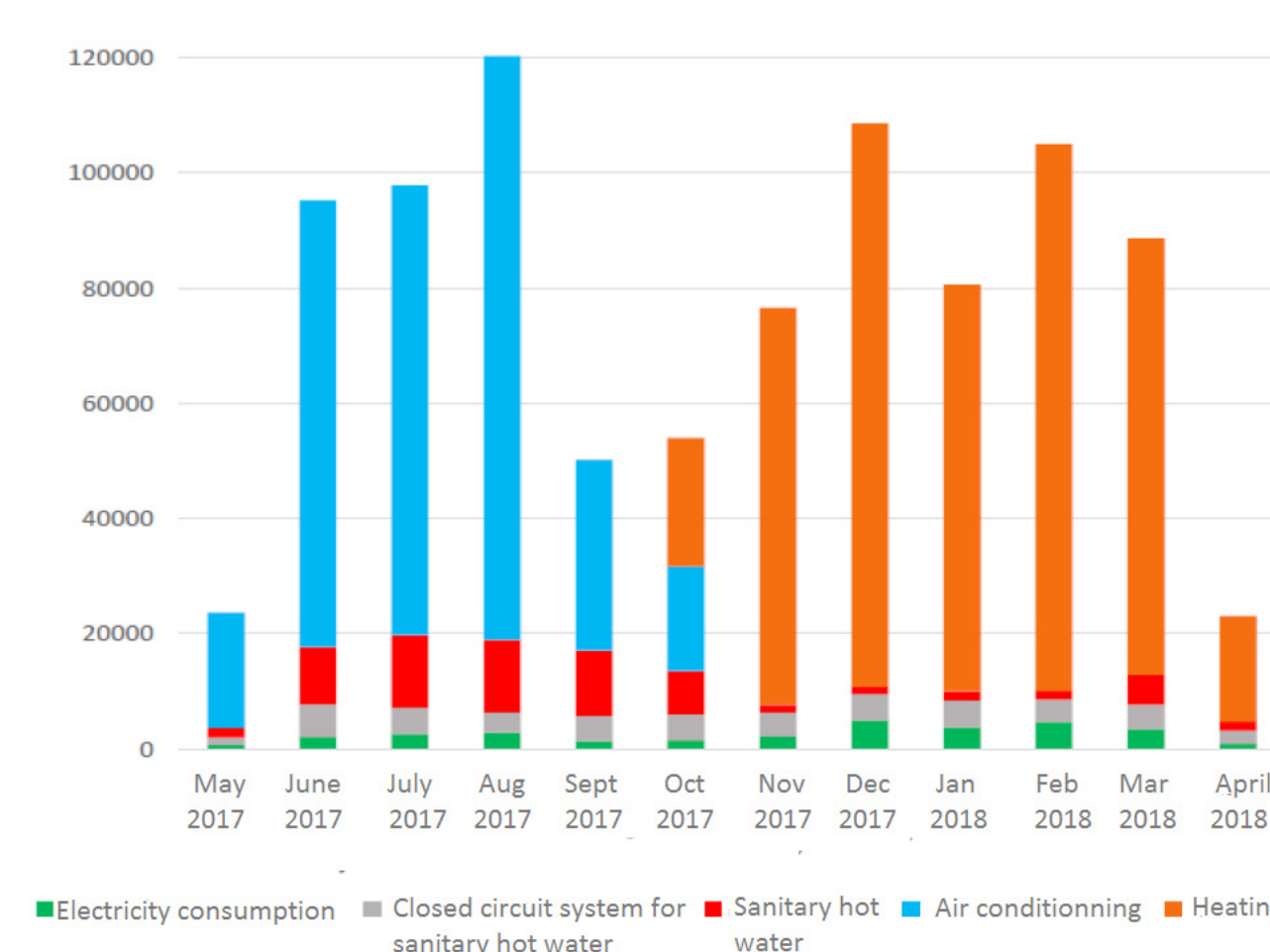
For the last 4 years, the Holiday Village "U Livanti" (Propriano area) has invested in renewable energy and more especially in the marine thermal energy conversion in order to cover the need for hot and cold water for air conditioning, heating and sanitary water. "U Livanti" wishes to develop this further with the establishment of a heat transfer fluid thermal distribution network called Nérée 2. This network will be made up of:

- A power plant using the ocean thermal energy conversion technology with a power of 320 kW, including heating/air-conditioning decoupling cylinders with a capacity of 2000l and a sanitary hot water combi-stratified storage reservoir with a capacity of 2000l;
- 2 x 2,20m multi-channel probe heat exchangers;
- A network serving the various buildings.



### Expected Results

By covering 34% of all the needs in thermic water for the Holiday Village, this project will reduce CO2 emissions by more than 210 tCO2 equivalent per year. The project, in fact, is aiming to reach an annual production of thermal renewable energy replacing electricity estimated at more than 275MWh.



Timeline

2016

2017

2018

2019

2020

2021

2022

2023

2024

### Funding

€ 178.313,00 Total funding  
€ 72.684,96 EU funding

### Contact

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