

SELF CONSUMPTION OF RENEWABLE ENERGY BY HYBRID STORAGE SYSTEMS

Training Course on Thermal Energy Storage for Heating, Cooling and DHW for Buildings

Different energy storage solutions and their importance for the decarbonization of buildings

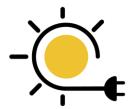
Luís Coelho, IPS - PT

Pavol, TNO - NL

ADENE, Lisbon, Portugal, 1st of April 2022



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Sixte FROISSARD, Heliopac, France



Heliopac SAS

Localisation : Tourcoing, France

Domestic hot water devices designer and manufacturer for :

- Collective housing
- Hotel and catering
- Sport facilities, swimming pools

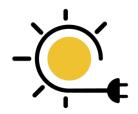
Created in 1990

3 900 equipped building

☆ 25 000 Surface of Heliopac solar collector in Europe (m²)

☆ 6 000 New appartments with Heliopacsystem in a year

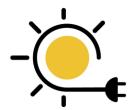
🔆 15 Employees

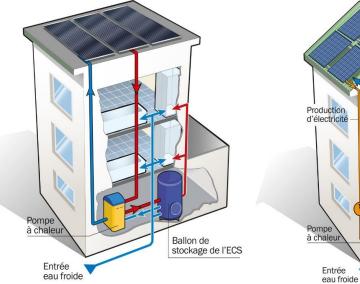


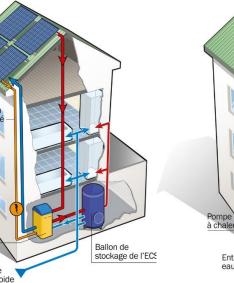


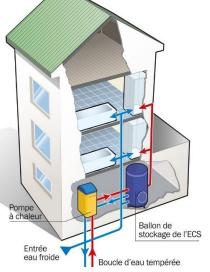


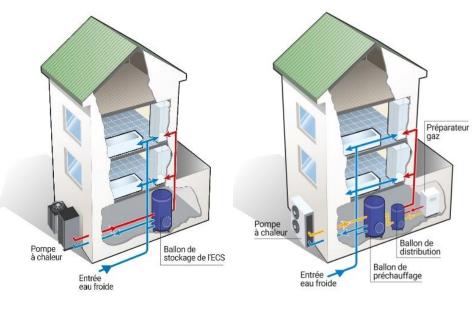
DHW products











heliopacsystem®

heliopacsystem+®

Solar and atmospheric collectors + w/w Heat Pump PV/T collectors + w/w Heat Pump

geopacsystem[®]

Geothermal source, district heating, ... +

w/w Heat Pump

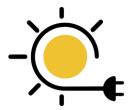
exopacsystem[®]

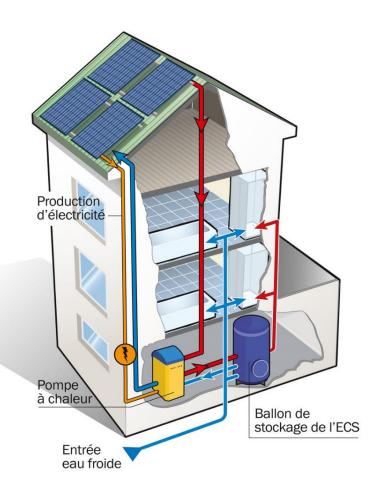
timaxsystem®

a/w Heat Pump

12.04.2022







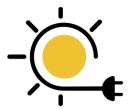






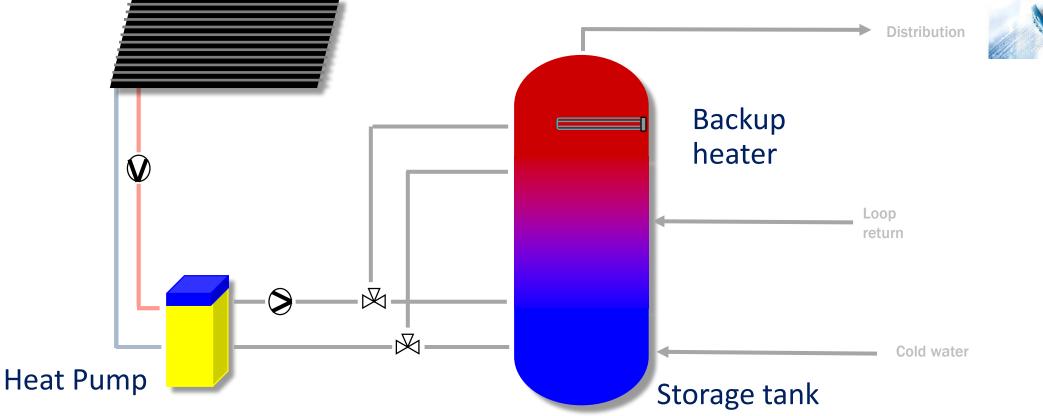




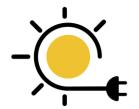


Collective hybrid DHW heating devices

Solar collector











12.04.2022





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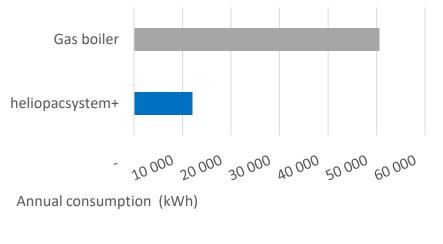


Nantes – 39 apartments

PT/T solar collectors : 40 panels / Total surface : 66m² w/w solar heat pump : 8kW Storage : 2000 litres Back-up heater : electrical resistance

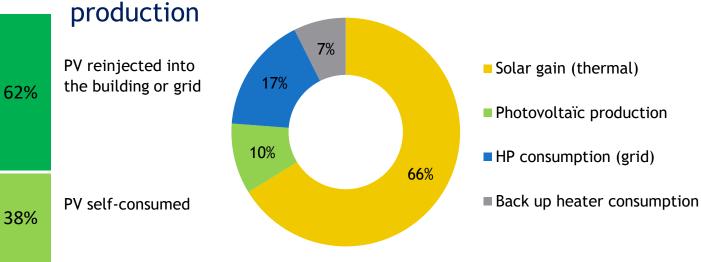


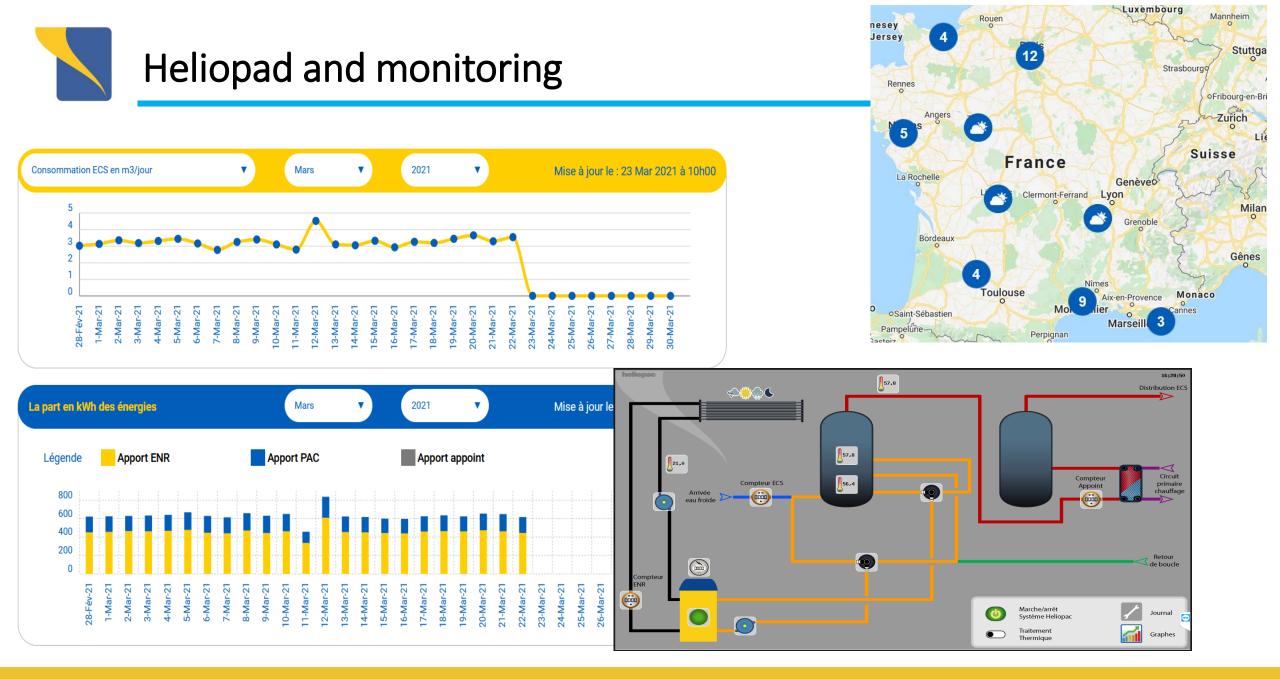
Commissioned in 2019



Reduce CO2 emissions by 14,4 tonnes per year

Gain and consumptions for domestic hot water













Website

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NOS SOLUTIONS

Heliopac > Nos solutions

Selon vos besoins en eau, votre situation géographique, votre place en toiture... HELIOPAC a une solution adaptée à votre projet.

Votre énergie est autour de vous

NOS SOLUTIONS

Notre vocation

Nos services

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SOLUTIONS À DESTINATION DE LA PRODUCTION D'ECS POUR LE COLLECTIF:

Notre société



heliopac

NOS DÉFIS ÉNERGÉTIQUES

heliopacsystem+®

geopacsystem[®]

Nos valeurs

NOS DOMAINES D'APPLICATION~

Notre actualité

Contact



Solaire et atmosphérique En savoir plus





PAC Air/Eau et préparateur gaz En savoir plus



Photovoltaïque et atmosphérique En savoir plus

exopac system®

PAC Air/Eau HT

En savoir plus

En savoir plus

Géothermie et effluents

exopacsystem[®] PAC

NOS SOLUTIONS

Espace Client

TÉLÉCHARGEMENT

5

in

heliopacsystem[®] Solaire et atmosphérique En savoir plus

heliopacsystem+® Photovoltaïque et atmosphérique En savoir plus

geopacsystem[®] Géothermie et effluents En savoir plus

timaxsystem[®] PAC et préparateur gaz En savoir plus

En savoir plus

12.04.2022

Thank you!

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