MAGNOVENT®

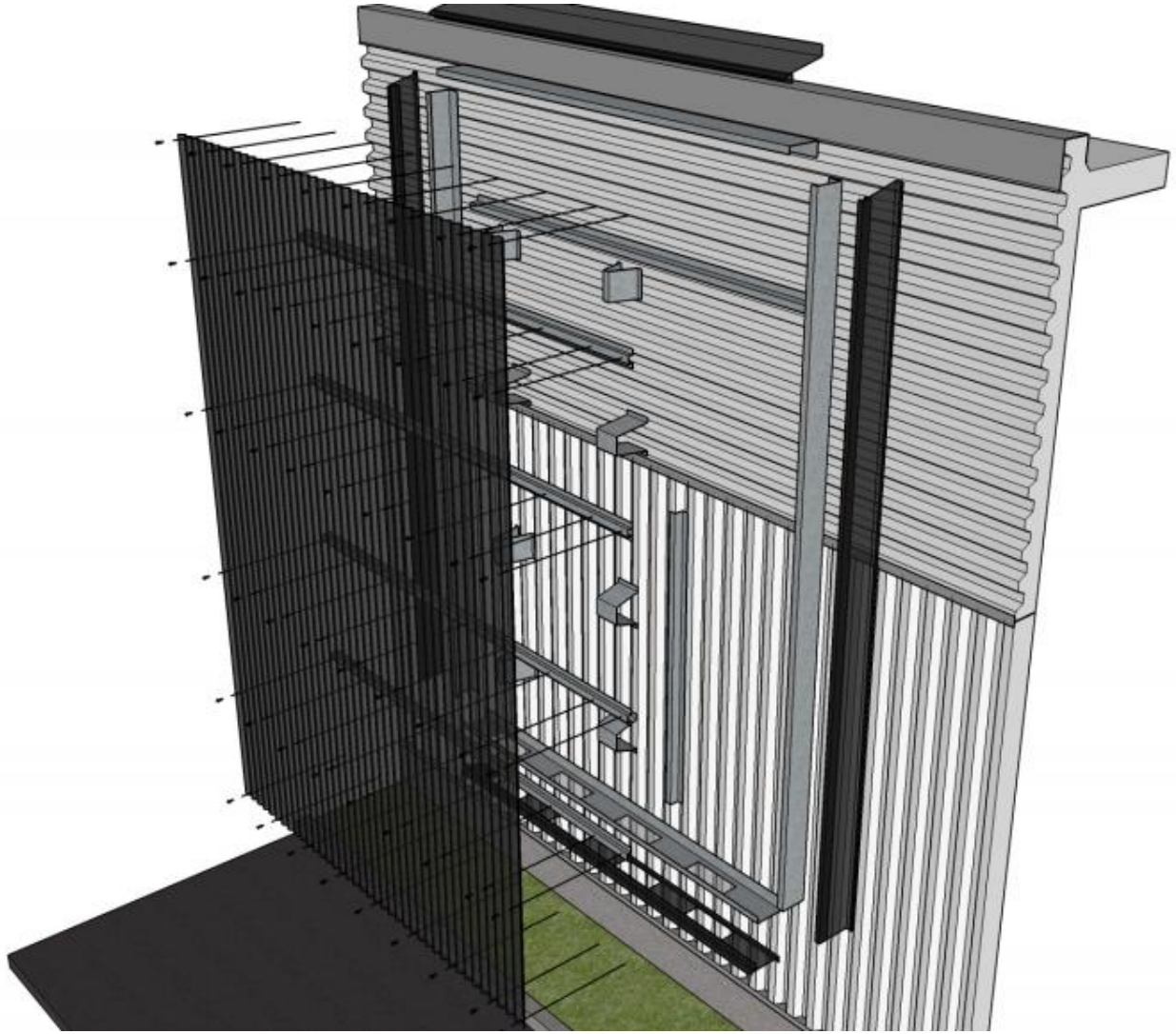
BUILDING EFFICIENCY

Use the power of the sun with state of the art solar air collectors

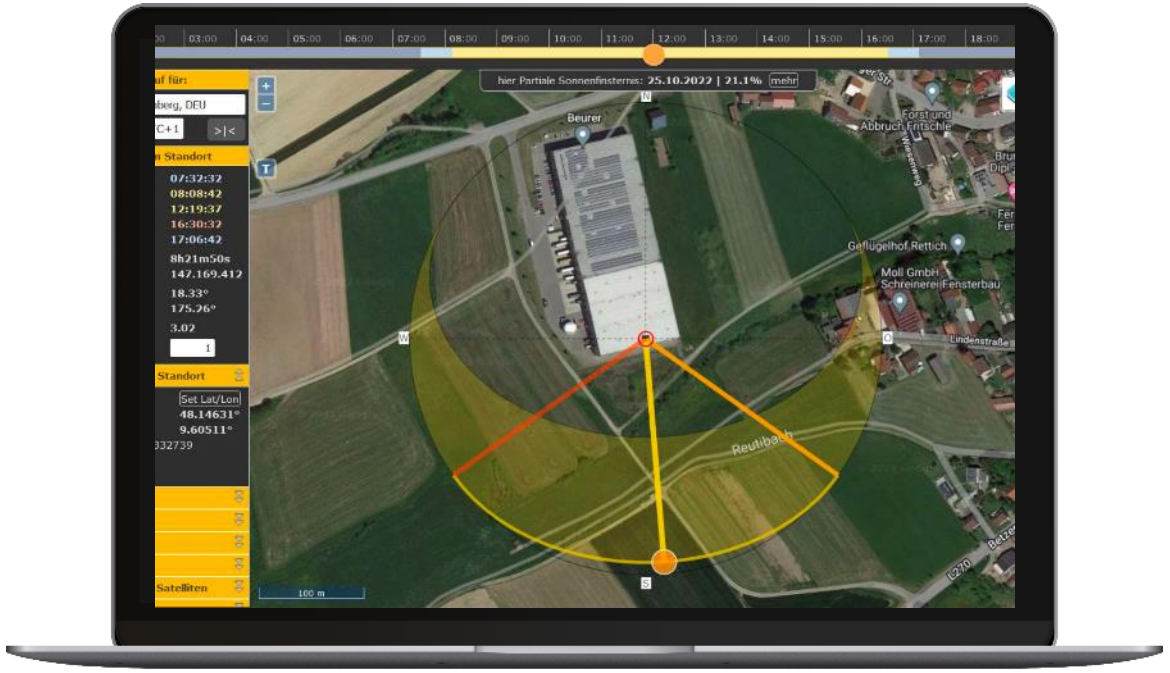
SOLAR TECHNOLOGIES TO YOUR ADVANTAGE

It is easily installed vertically on aluminum profiles.

The collector is made of aluminum coated with a patented blue or black paint that does not reflect the sun and is guaranteed for 25 years.



We study the best orientation to achieve the best results.



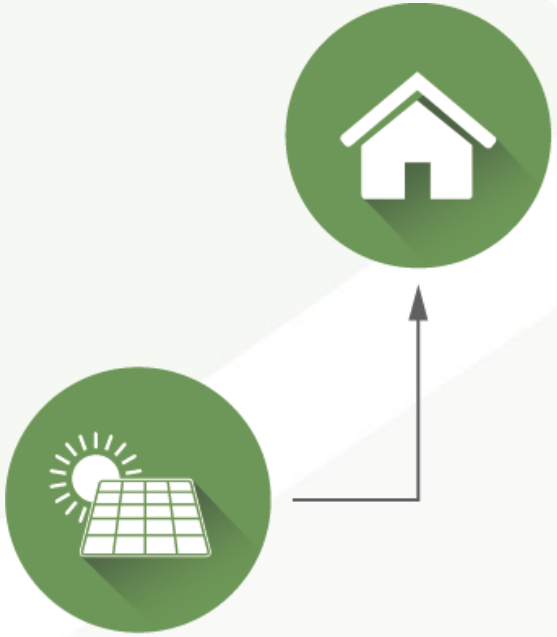
Suncalc.org application screenshot

Characteristics per square meter

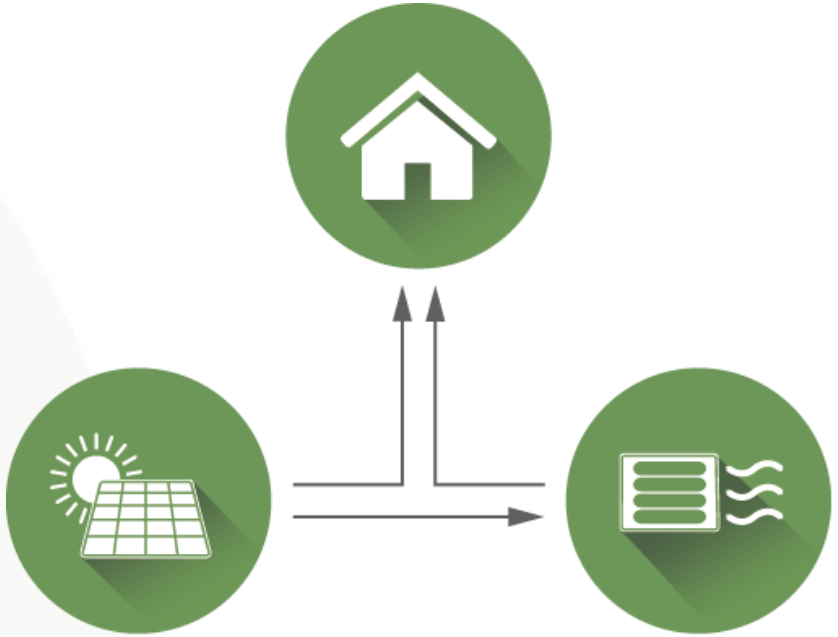
Generation of 100m3/h to 150m3/h of air at ambient temperature + 50ºC

810W/h SolarKeymark certified

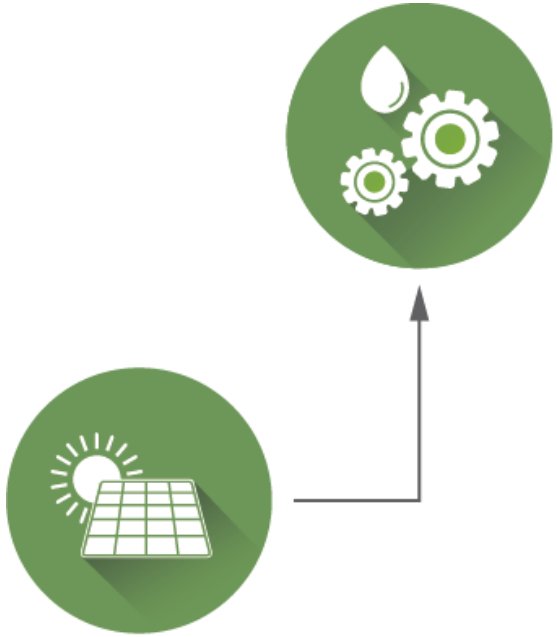
9,5kg weight



Single heating system

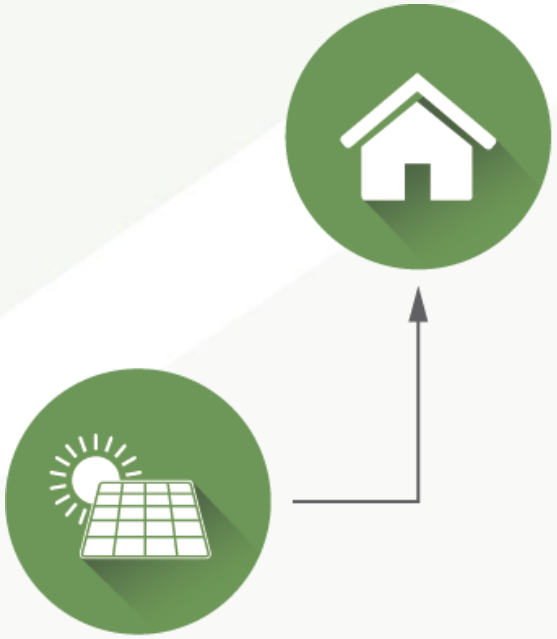


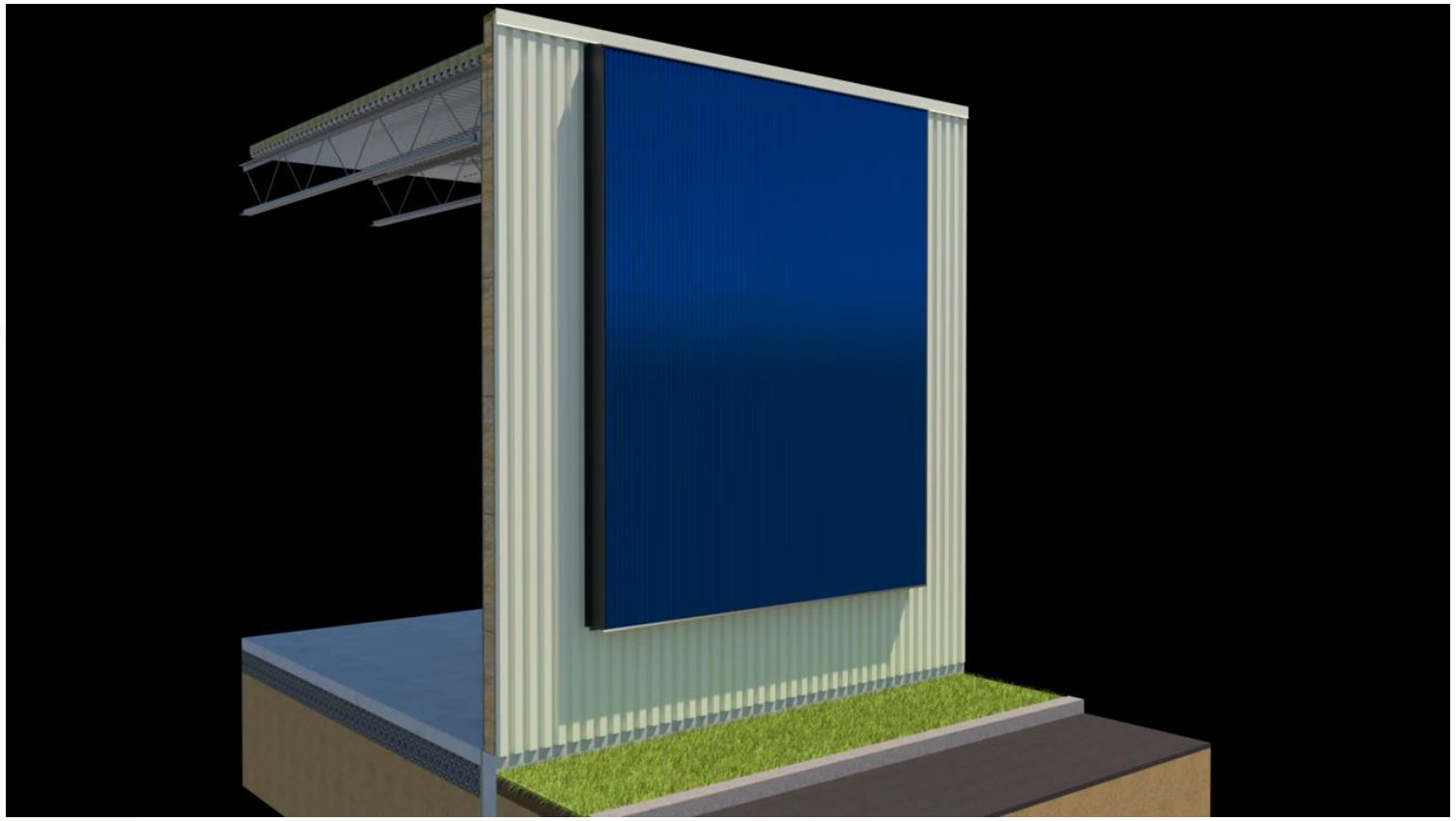
Combined with heat pumps or rooftops



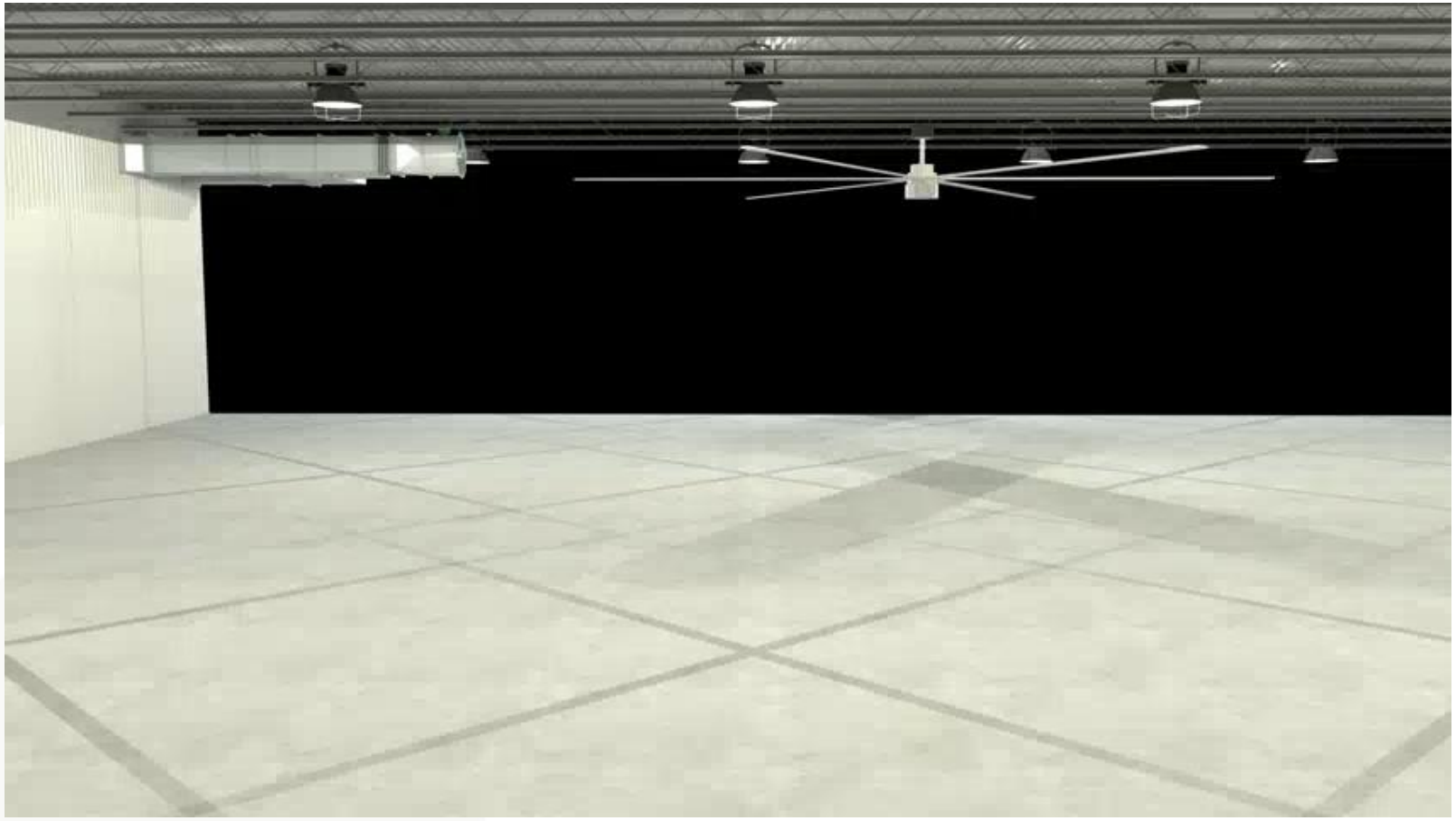
Improving processes

Single heating system



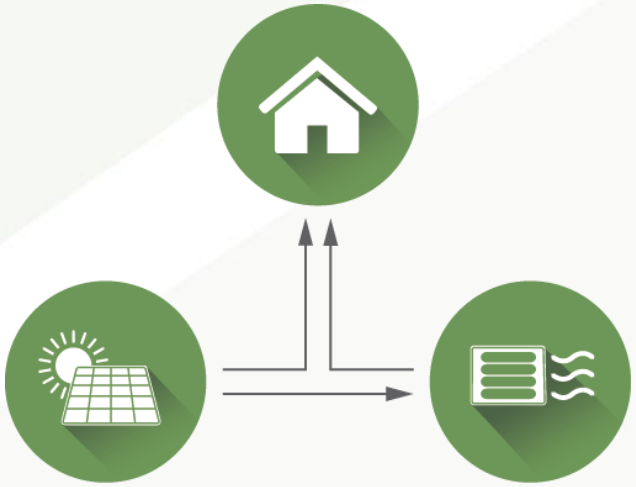


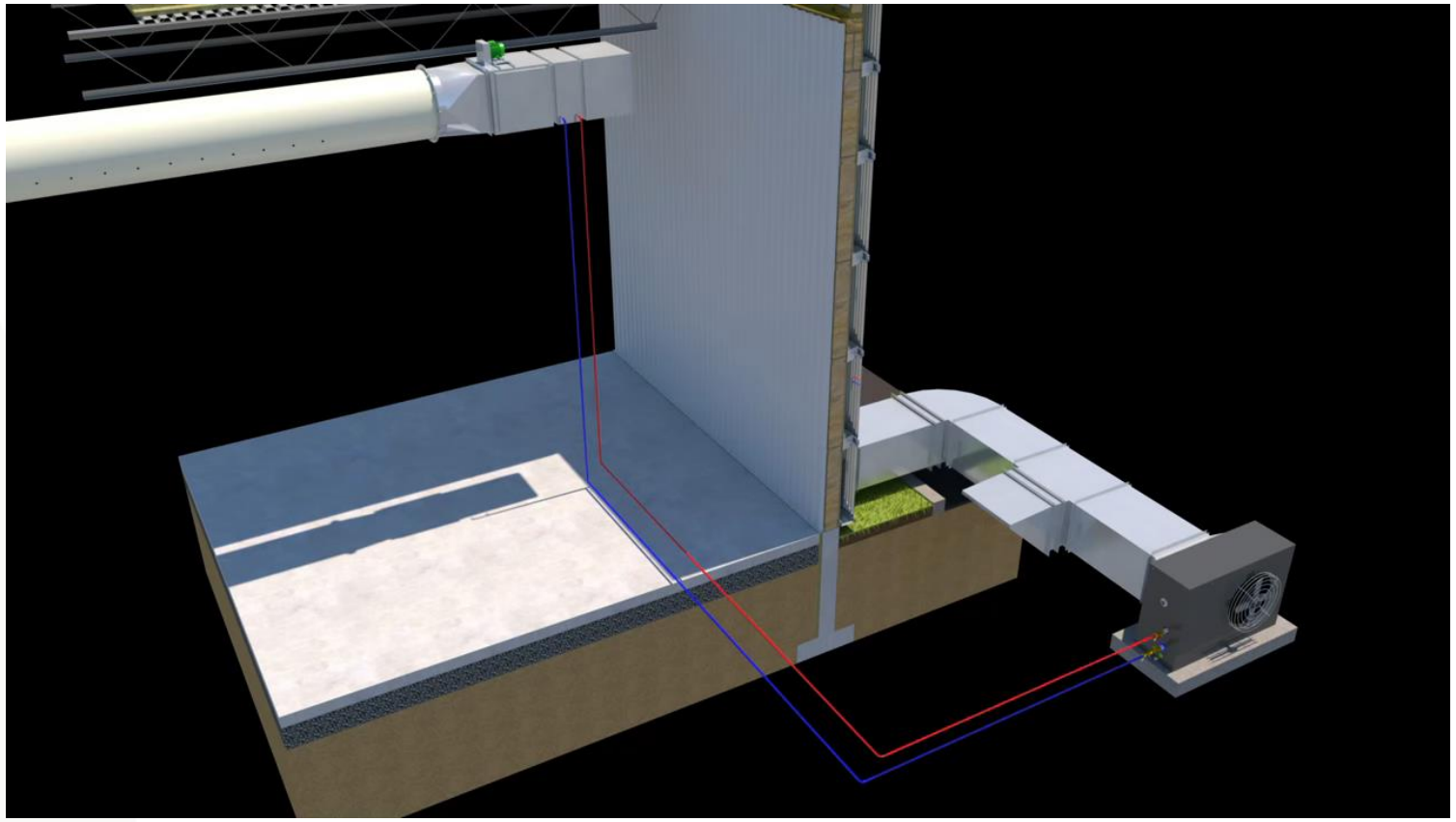
The hot air generated in the solar collector is introduced into the building by EC fans, achieving self-consumption for heating.



The hot air introduced into the building can be evenly distributed by our HVLS fans. Thanks to this combination, temperature stratification is completely eliminated, increasing efficiency.

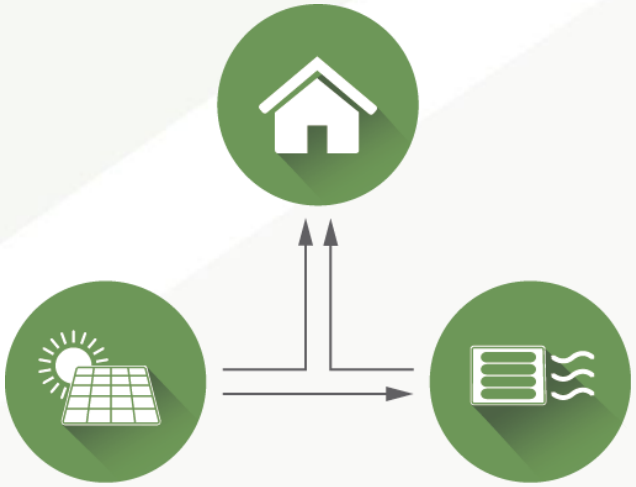
Combined with heat pumps

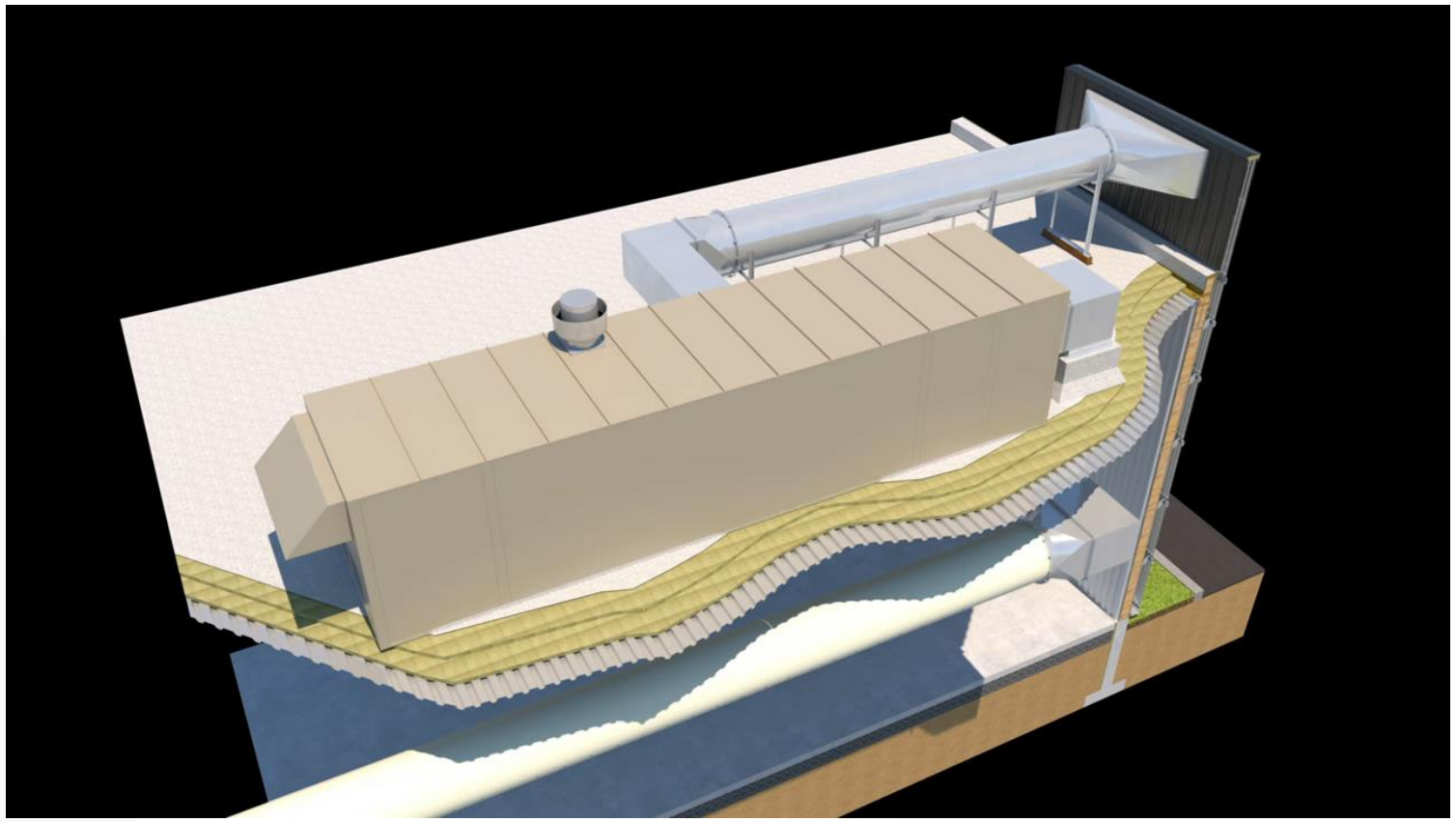




The hot air from our solar collector is mixed with ambient air to avoid the dew temperature that causes the heat pump to freeze.

Combined with rooftops



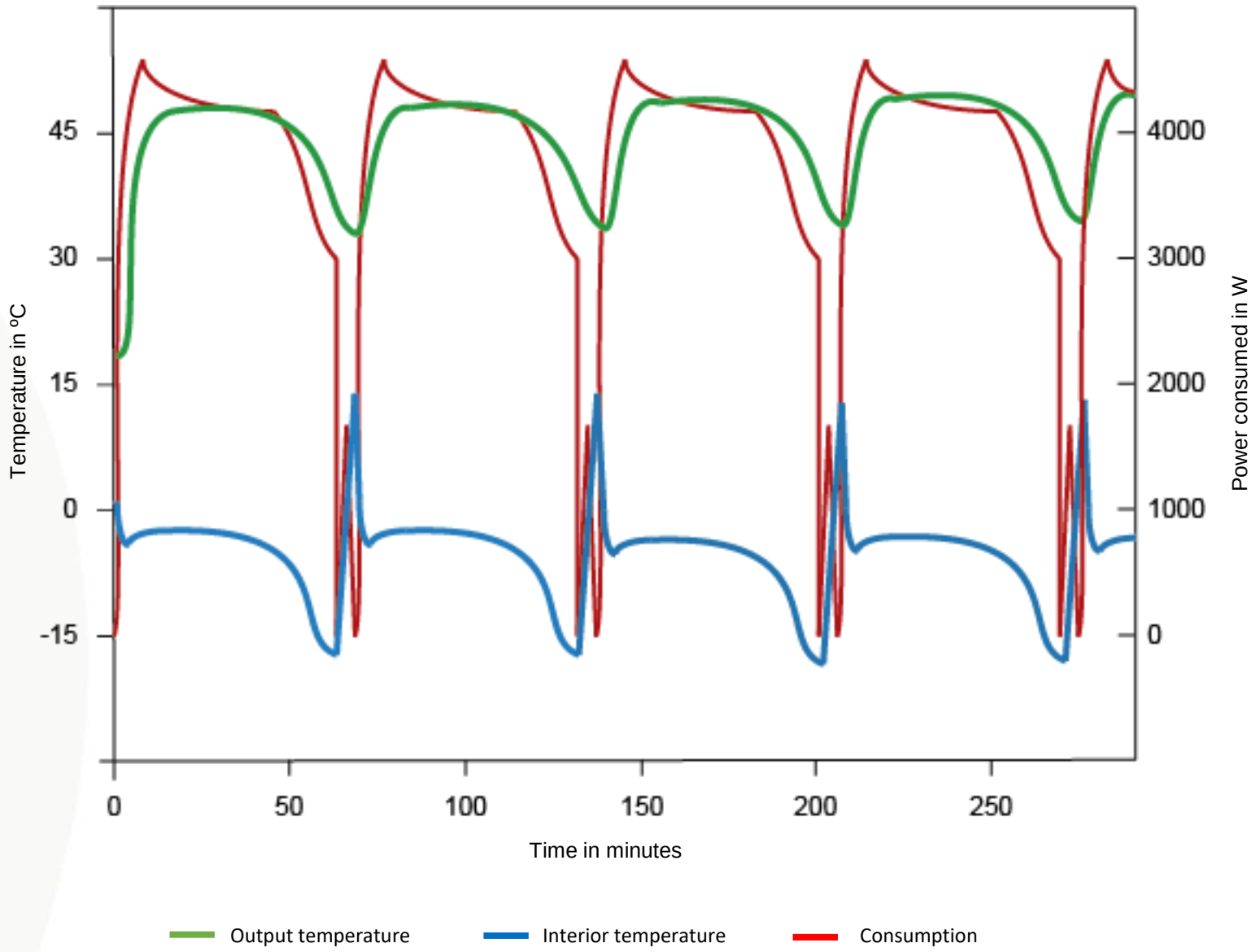


- Solar warm air from our collector heated up to 50°C above outside temperature supplies the ventilation unit. This heat no longer has to be generated by fossil fuels and is transported into your building by the ventilation unit.

Operation of heat pump

When the temperature of the machine is below the dew point, it freezes until it performs the defrosting process.

During this process of several minutes, the fans stop, causing the heat pump not to inject heat into the building and to switch to cold mode using energy to heat the inside of the building.

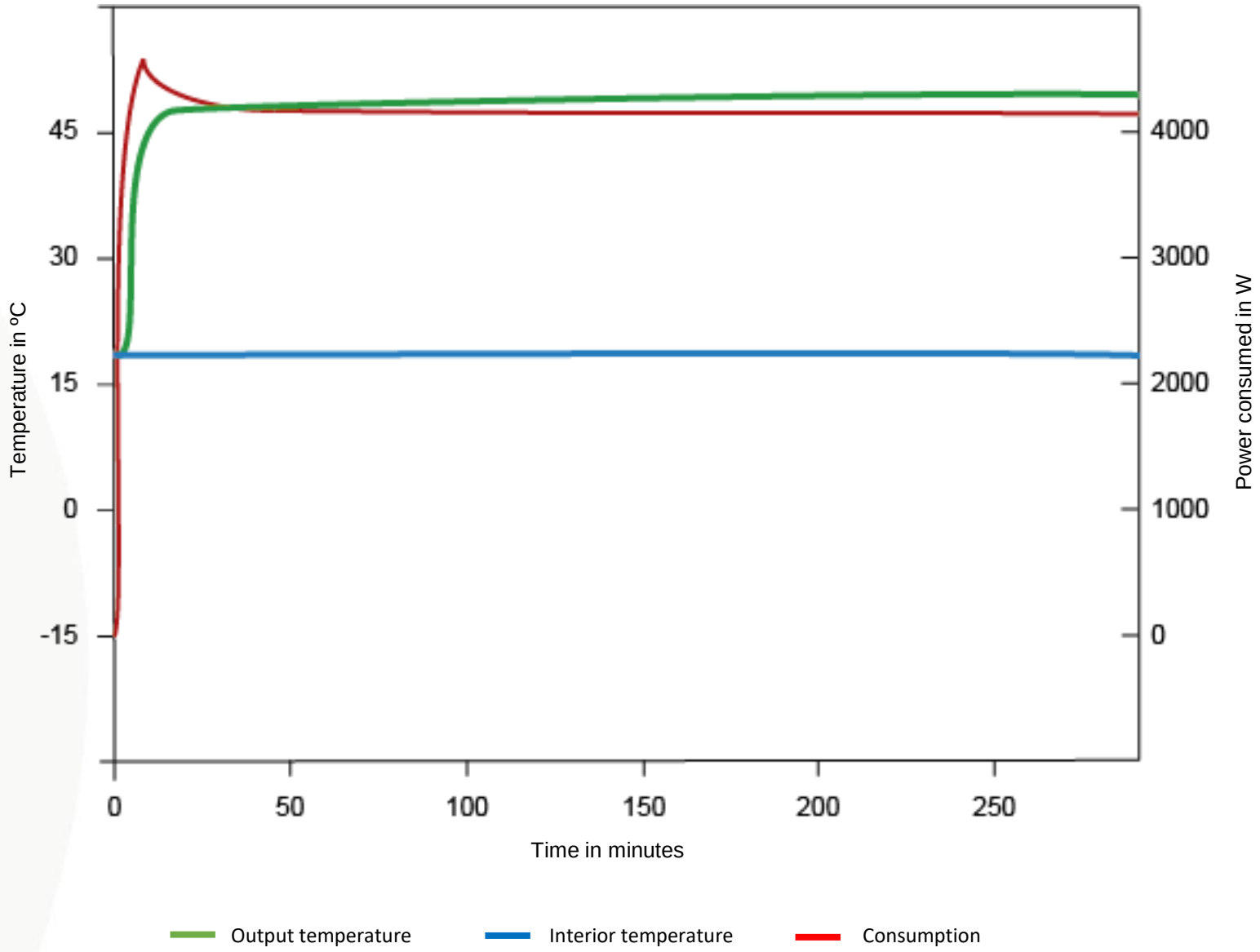


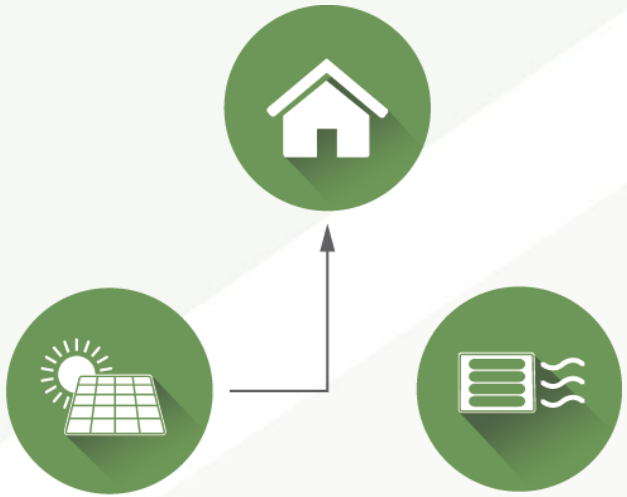
Combined system

We improve the efficiency of these machines by 35% and increase their useful life by preventing them from stopping to defrost..

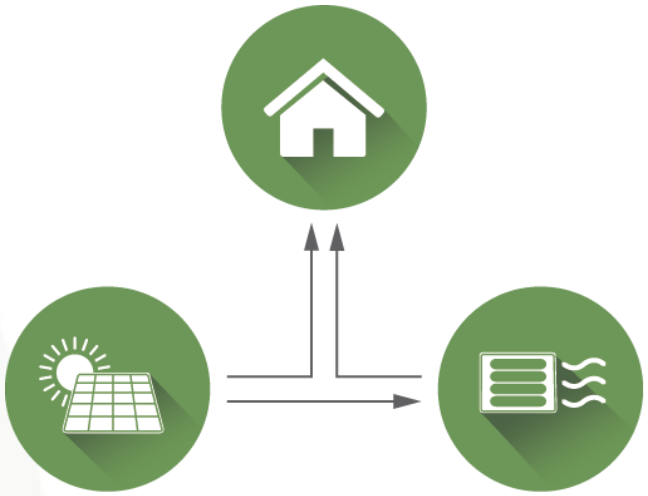
+35%

EFFICIENCY

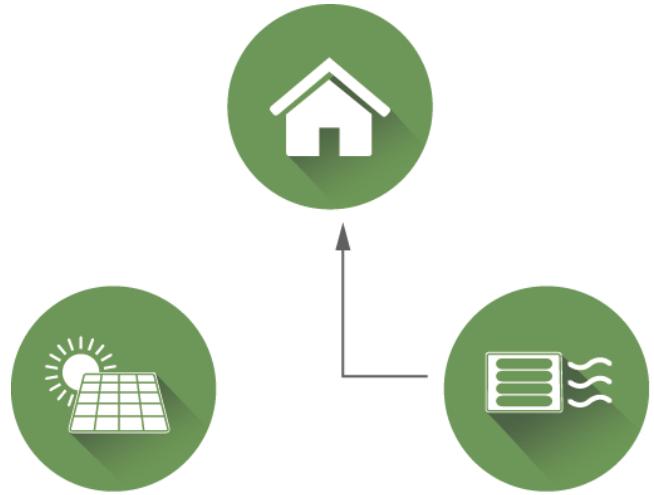




Surplus solar energy



Mixed use

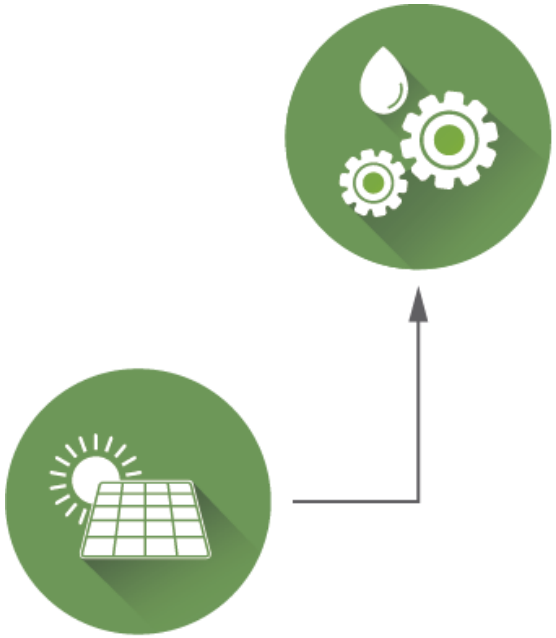


Night

Improving processes

The hot air from our collector is added to the production process, avoiding the use of fossil fuels to heat it and achieving significant savings.

Each square meter of collector generates 150m3/h of hot air.




SUCCESS CASES

AHORRO ENERGÉTICO

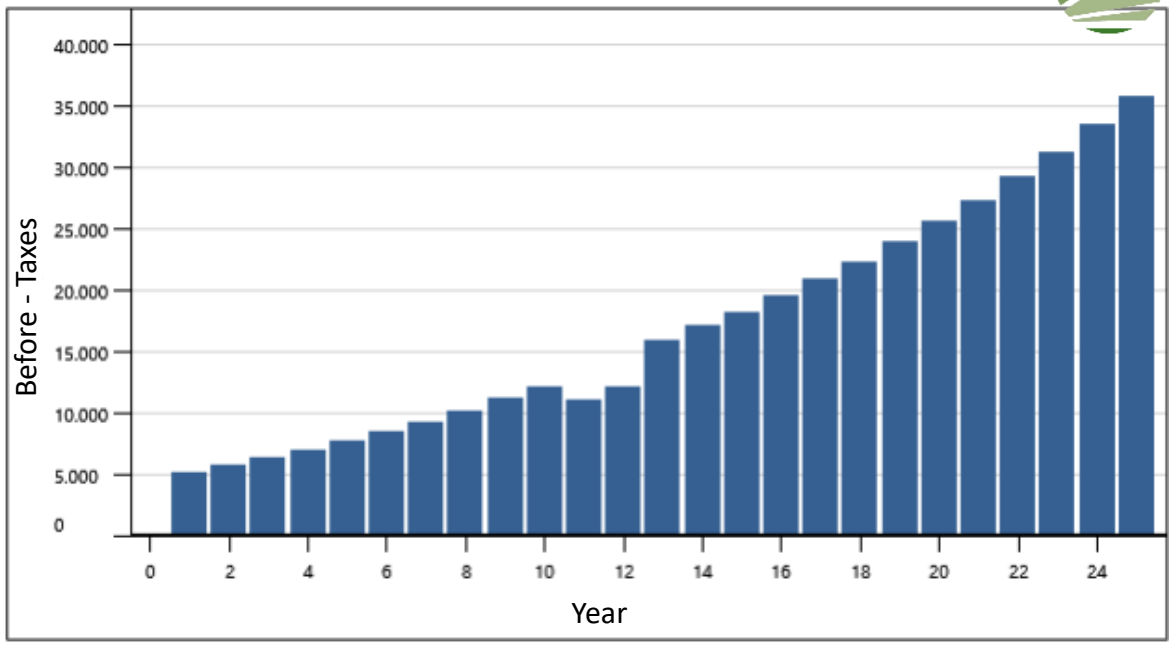
We calculate your company's energy savings, return on investment and CO2 emissions reduction.

Summary

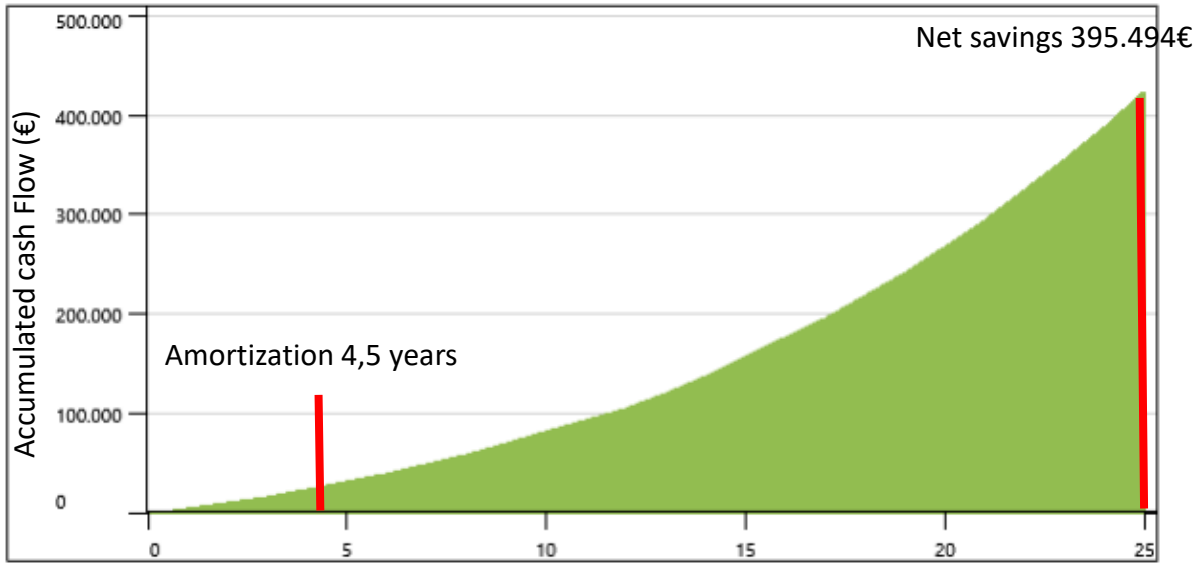
	Fuel consumption kWh	Cost of fuel €	GHG emissions tCO_2
Base case	55.903	7.826	10
Proposed case	8.743	1.241	1,7
Savings	47.160	6.586	8,4
%	84,4%	84,1%	83,5%

The ROI for Magnovent is 4.5 years.

Installation cost: 29700€.



Cash flow - Accumulated



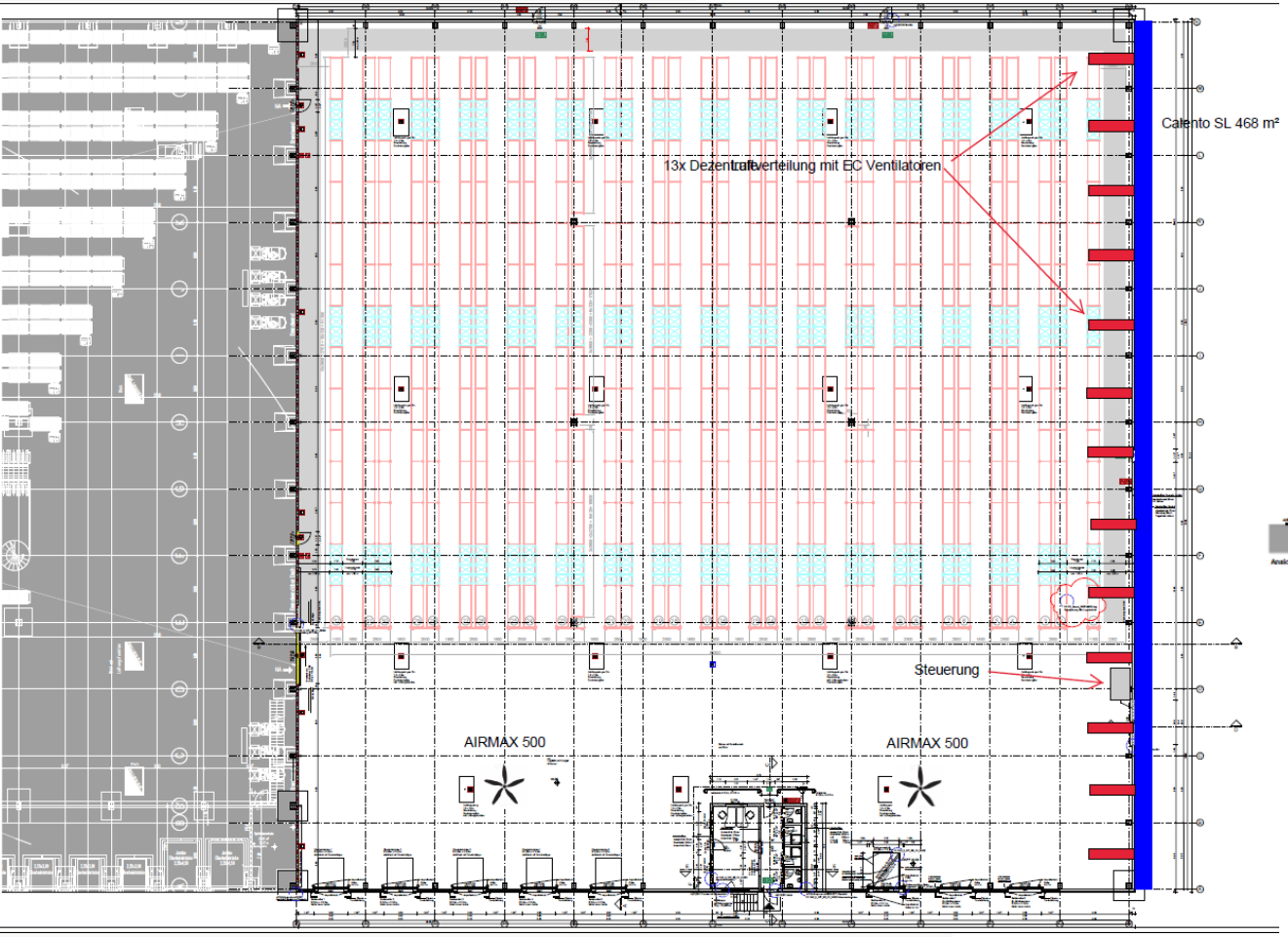
Annual CO2 reductions: **8.4t**

During useful life:

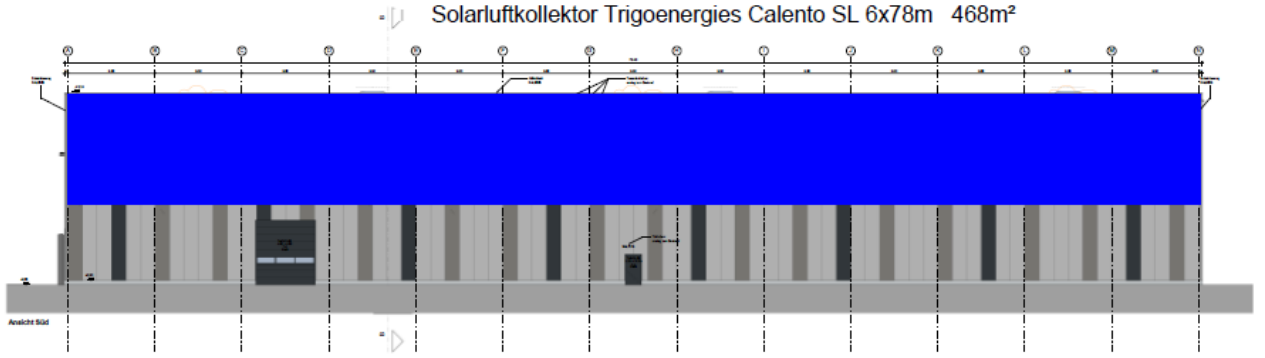
299.199
Km by car avoided

1924
Trees planted

210
Long-haul flights avoided



FROM PROJECT START ALL THE WAY TO COMMISSIONING…

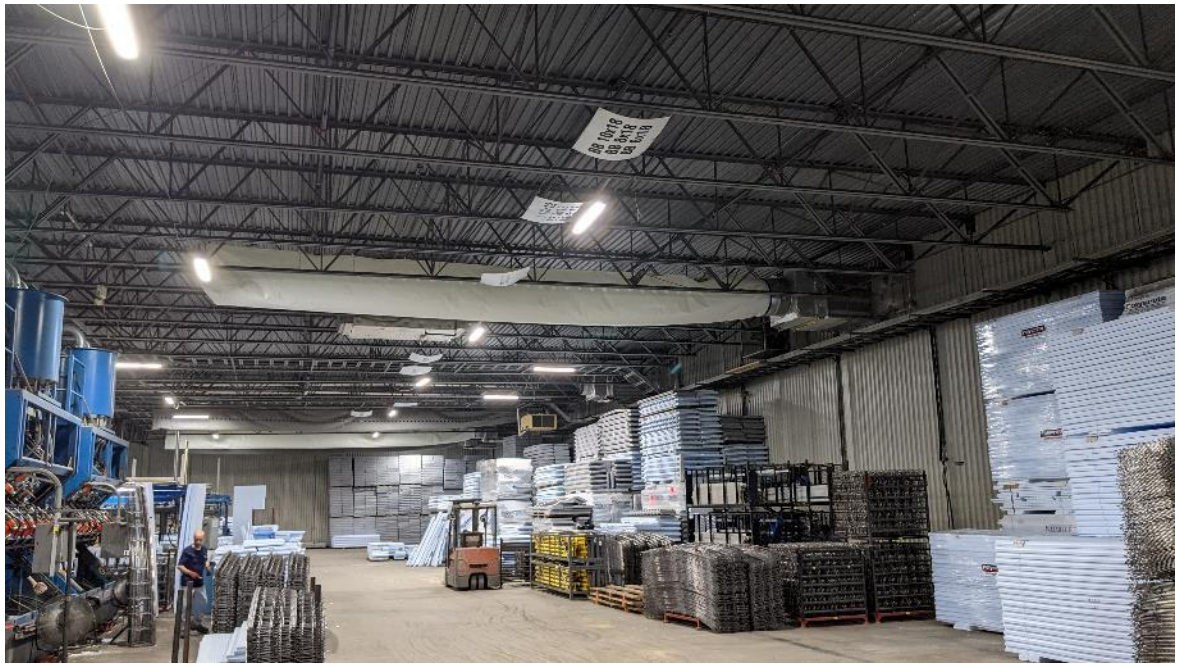


WHOLE SOLUTION WITH PASSION AND EXPERIENCE


RICHMOND
FOURNIER

JW EXPRESS

POLYCRETE



PREMONT


THANK
TERIMAKASIH
DANKE
YOU
HVALA
GRAZIE
GRACIAS
MERCI
谢谢