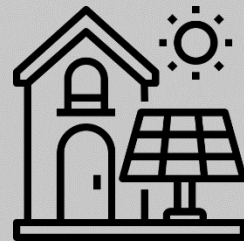




# Air solar heating collectors

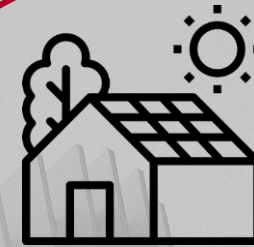
**SOLHOTAIR: high-efficiency, zero-emission solar heating collectors**

# Different types of solar collectors



photovoltaic panels  
generate electricity

SOLHOTAIR



heating collectors  
generate heat energy

# Problems with heat production



**heat production is very expensive,**  
heat production is twice as  
expensive as electricity production



**heat is mostly produced**  
from fossil fuels oil, gas and coal



**heat production generates a**  
**huge carbon footprint,**  
typical 1000 m<sup>2</sup> warehouse  
produces 800 tonnes of CO<sub>2</sub>



# Our solution:

## Air solar heating collector

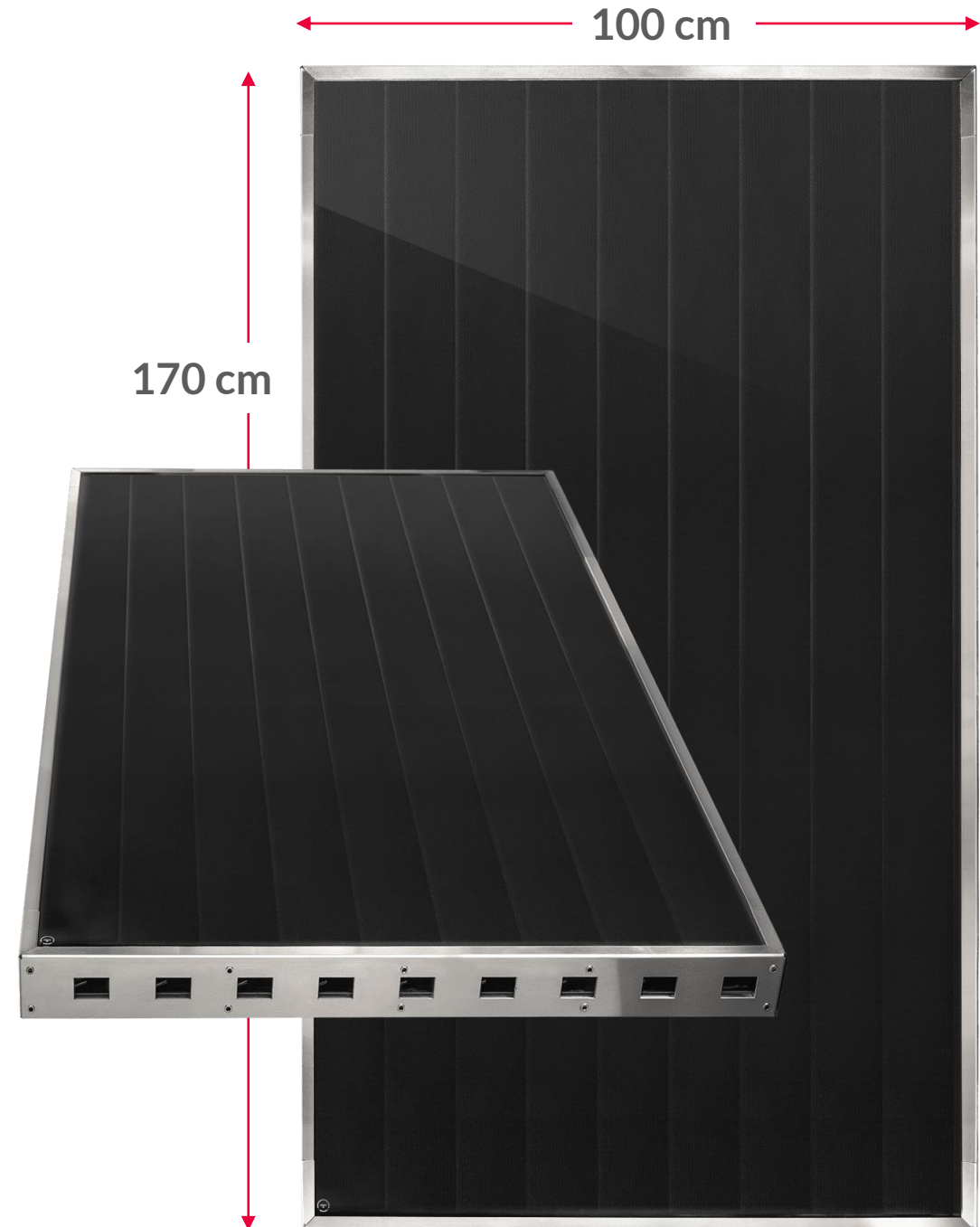
SOLHOTAIR technology enables efficient heat generation by converting solar energy into thermal energy by means of solar collectors



efficiency



cost & emission  
reduction



# How SOLHOTAIR collector works?

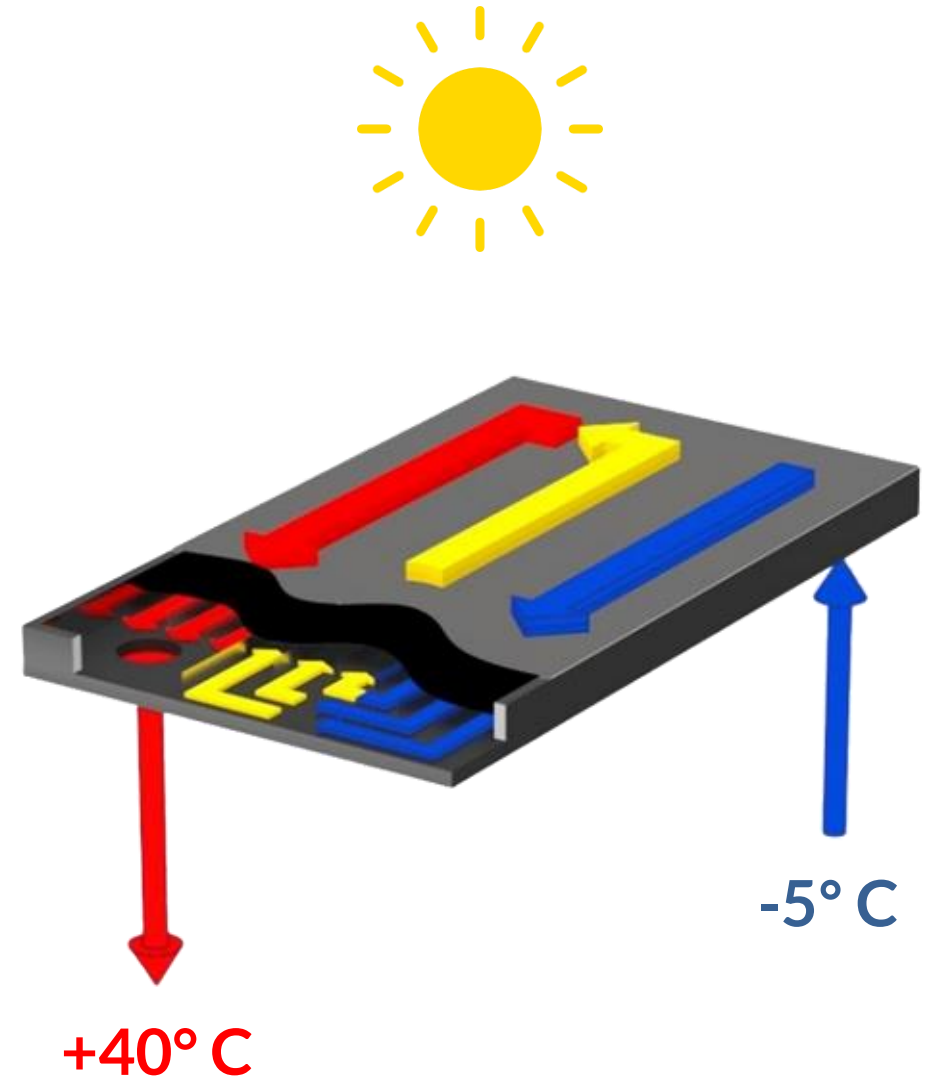
Cold air from outside flows into the collector. Inside it is heated by the sun. The already heated air flows out into the building, even with a temperature of 40 degrees



efficiency



cost & emission  
reduction



# SOLHOTAIR air solar collectors

**83%**

## **high efficiency,**

the efficiency of air solar collectors grows up to 83%, which represents over 20 percentage points more than the best solutions currently available on the market.



## **intended for heating,**

SOLHOTAIR solar collectors meet the high requirements of modern heating

**40%**

## **less heating costs ,**

air solar collectors can reduce heating costs by up to 40%



## **competitive price,**

SOLHOTAIR solar collectors are competitively priced in both: production costs and sales prices



## **ecological,**

SOLHOTAIR solar collectors are a fully ecological source of energy and it is a potential source of emission reduction even up to 40% of CO<sub>2</sub>



01.

warehouses  
& commercial buildings



# Market segments

public utility buildings

02.

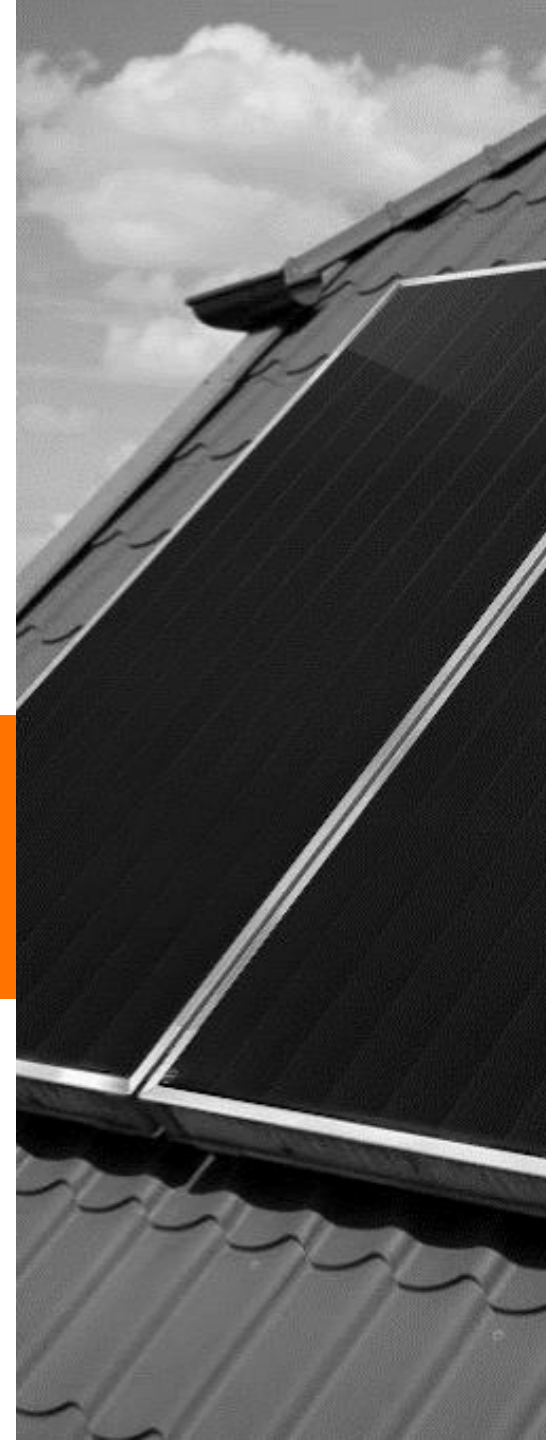
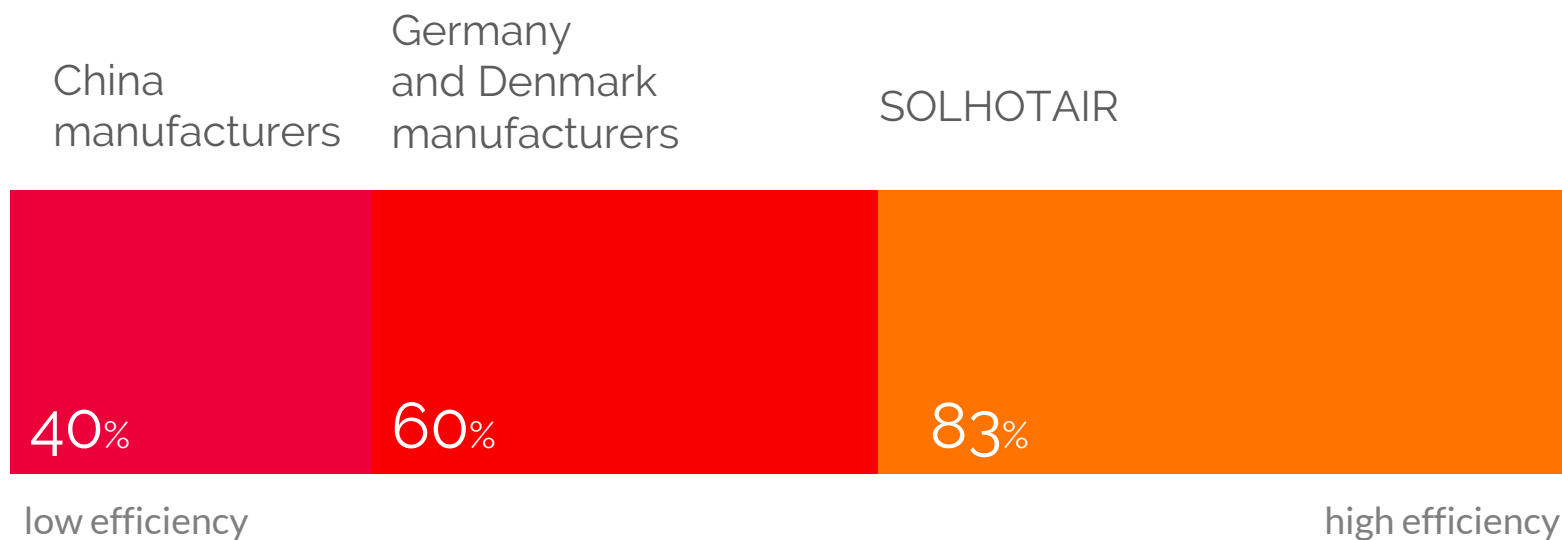


03.

biomass dryers  
& farm buildings



# Competition





# References

Reference installation of 15 kWp  
already carried out in Hipolit  
Cegielski Poznań within the Scale-  
up IndustryLab programme



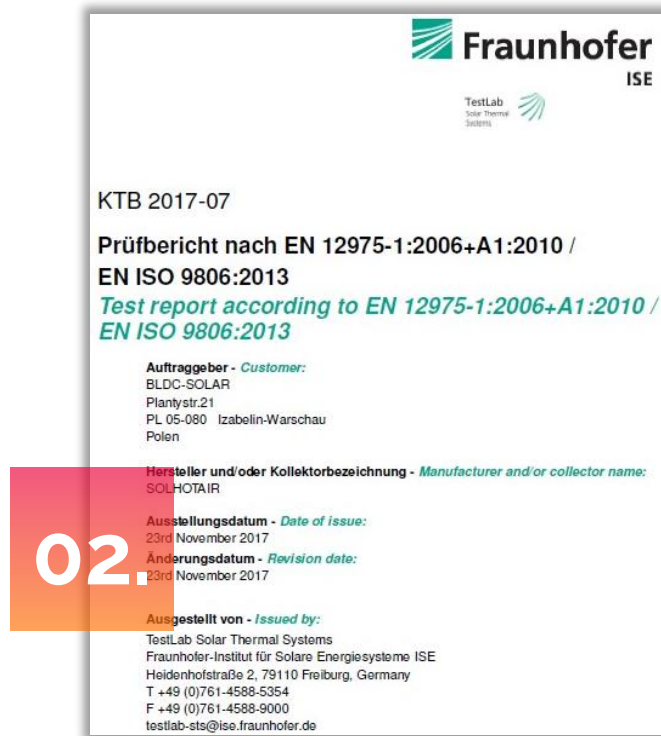
01.



Polish patent  
and European patent pending

# References

Efficiency of technology  
confirmed by Fraunhofer Institute



02.

The breakthrough transformation efficiency of 83% has been confirmed by research in the largest RES research centre in Europe - the Fraunhofer Institut für Solare Energiesysteme ISE in Freiburg.

SOLHOTAIR solar collectors are protected by patent No. 230038 issued by the Patent Office of the Republic of Poland and European application No. EP 17724896.6

# Our team



**Grzegorz Maciaszek** – business development



**Dorota Jeschke** – marketing and customer relations



**Małgorzata Stangreciak** – CEO and finance



**Mariusz Jeschke** – engineer  
the creator of technology





# Prizes and awards



# Contact

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