

**Lissabon**

**20.10.2020**

**„Intelligent and energy efficient Technologies for Buildings  
implementing renewable energies“**

**EcoSyst GmbH, Jörg Viertel, CEO**

**„Energy efficient and sustainable room conditioning  
– with EcoSyst.“**



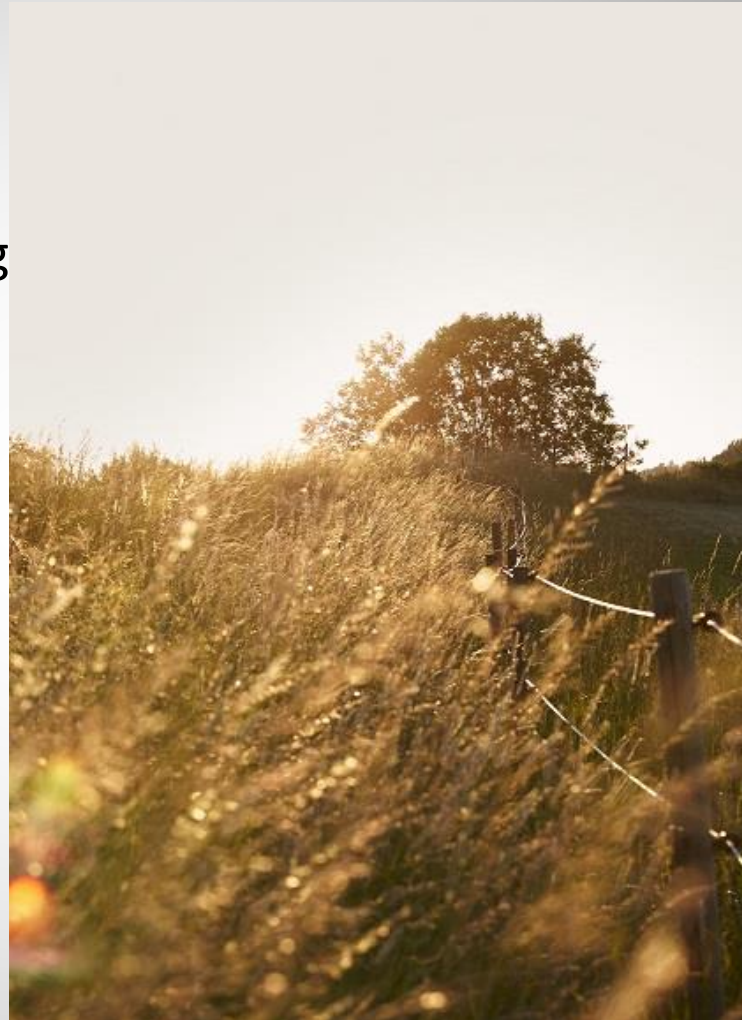
**EcoSyst**

***Just feel good!***



## EcoSyst – topics today

1. company
2. market trends air conditioning
3. product
4. reference room
5. looking for..
6. summary
7. contact



## EcoSyst - the company

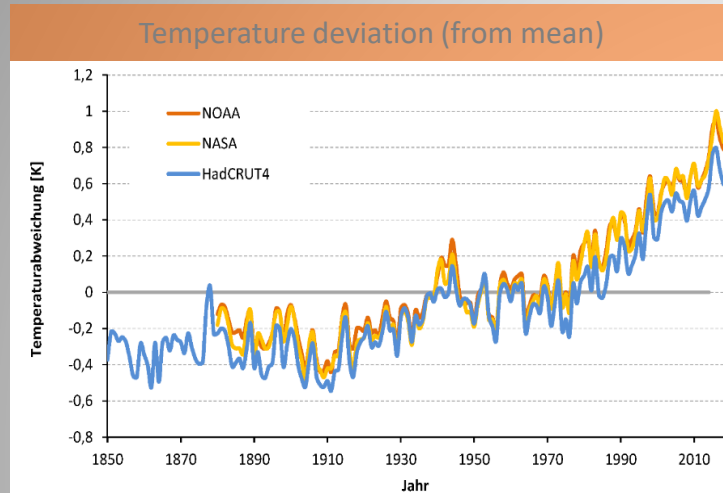
EcoSyst GmbH was founded in 2017, based on a unique know-how in the fields of healthy buildings and mechanical engineering. CEO is Mr. Dipl.-Ing. Oec. Jörg Viertel. His entrepreneurial experience goes back to 1997. The company is based in Chemnitz, Saxonia.

EcoSyst is winner of the  
IQ Innovation Price Central Germany 2019,  
Cluster Energy.Environment.Solar.



To found successful partnerships in Portugal, we are here today.

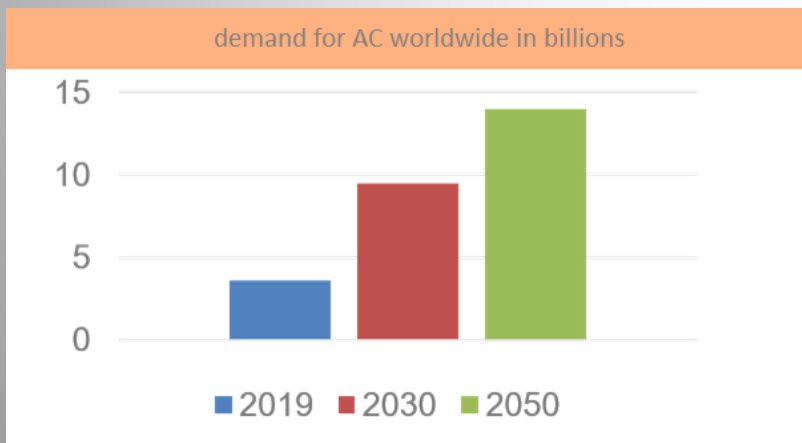
# Market trends for air conditioning



## Long term temperature rising

- Rising average temperatures worldwide
- DNV GL Group expect a 2,4 degree rising of the global average temperature by the end of the century
- Life conditions for mankind will fundamentally change

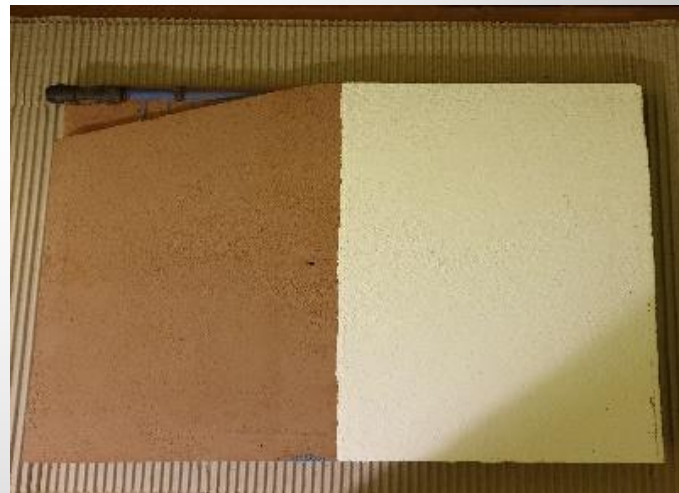
## Demand for air conditioning will significantly rise worldwide



- the rising of temperatures cause an increasing demand for cooling
- currently the estimated global demand for AC is 3,6 billion, expected to increase to 14 billion by 2050
- problem: also the energy demand for cooling will increase significantly!

## EcoSyst – the product

**EcoSyst climate elements** are the basis for a highly efficient system of energy distribution and release. The system provides an optimal dew point management. The climate elements are installed on the ceiling. Through the capillary tubes runs water, temperature-managed by a heat pump. The panels absorb possibly occurring condensation water.





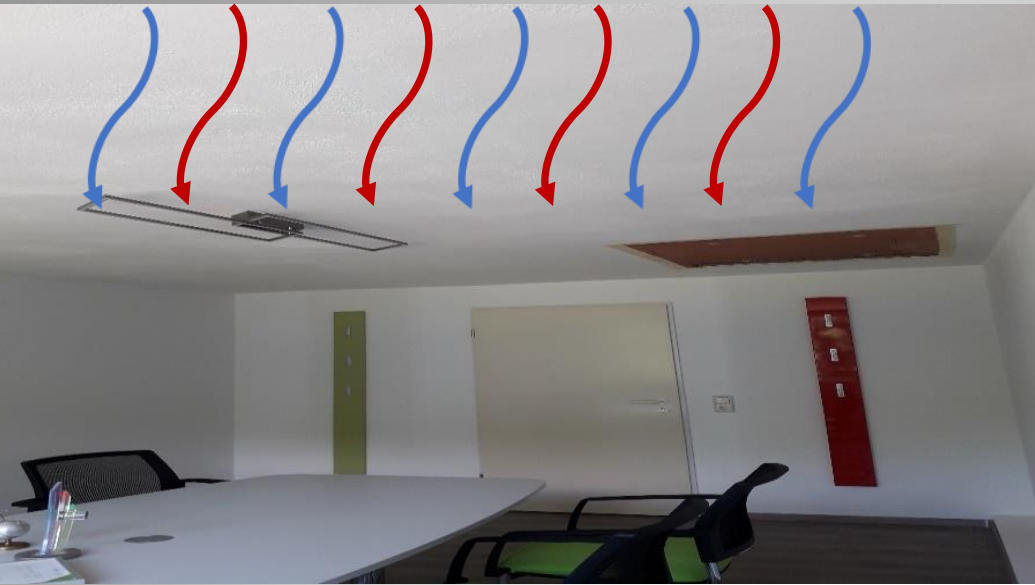
# EcoSyst – reference object... ...in the making at SLG Ingenieurtechnik GmbH



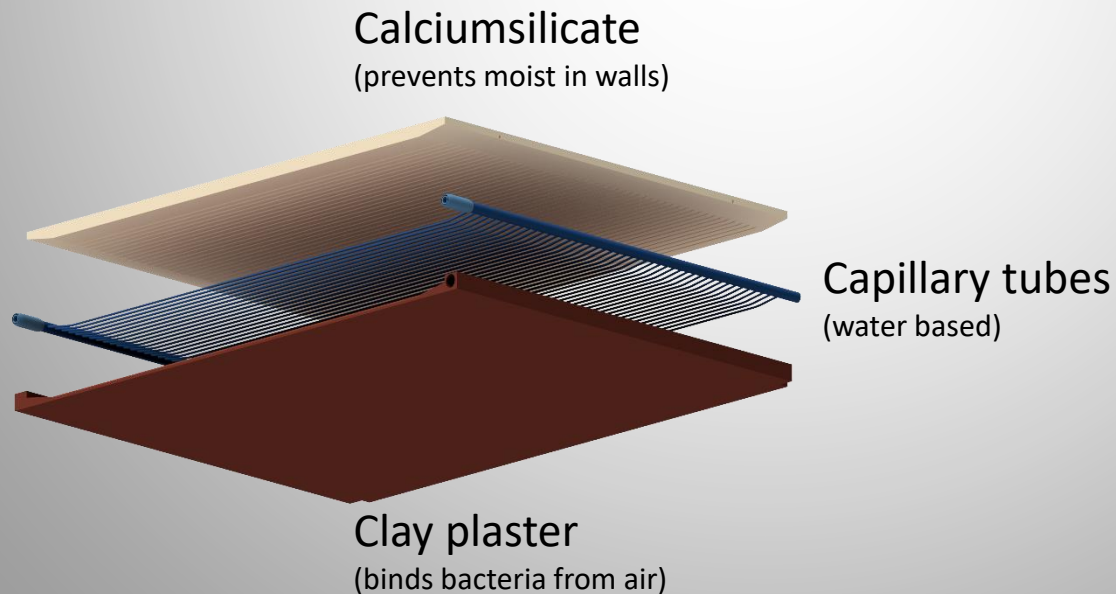
From Start .....



..... to Finish



- Radiant heating and cooling in one water based System
- Healthy environment



## Looking for customers

EcoSyst is applicable for refurbishment and new build developments. We are looking for **property owners** who are interested in an EcoSyst installation for a small reference object, for which we will deliver our climate elements for free.

Interesting long-term partnerships could also be established with **architects and project planners** within the field of Green Buildings.





## Looking for partners

EcoSyst GmbH aims to acquire system partners:

- manufacturers and merchants of building materials
- machine building companies
- project planners/ installers of air conditioning and building automation.

The concept is to enable partners to manufacture the EcoSyst Climate Elements locally by providing the EcoSyst Systems Engineering.



## **EcoSyst – advantages at a glance**

- Applicable for refurbishment and new buildings
- Heating & cooling with one water based system
- No dew point-surface condensation, no mildew
- Benefits from a good and healthy indoor climate
- Reduced reverberation effect
- Low-maintenance and durable/ user friendly
- Considerable reduction in energy usage, Substantial cost savings
- CO2-emissions close to zero
- Decentralized fabrication, using semi-automatic systems engineering.
- Recyclable, sustainable & climate friendly.

**EcoSyst – think global, act local!**



EcoSyst GmbH  
[www.ecosyst.de](http://www.ecosyst.de)  
CEO Jörg Viertel

+49 371 3673 200 [info@ecosyst.de](mailto:info@ecosyst.de)