

# Project idea: Highly efficient lightweight heat exchanger

## Call area: No. 4

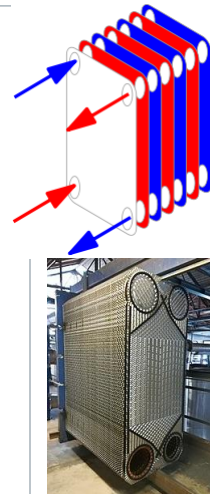
### Contact

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### Project Description

Most heat exchangers in buildings and industrial processes are plate heat exchangers made of stainless steel or titanium.

Our METAKER® Surface **serial technology** allows the substitution of stainless steel and titanium by modified aluminum with **better mechanical, thermal and chemical** material properties, **performance, cost** and **weight**: <http://bit.ly/ELA-2020>



### Project Objectives

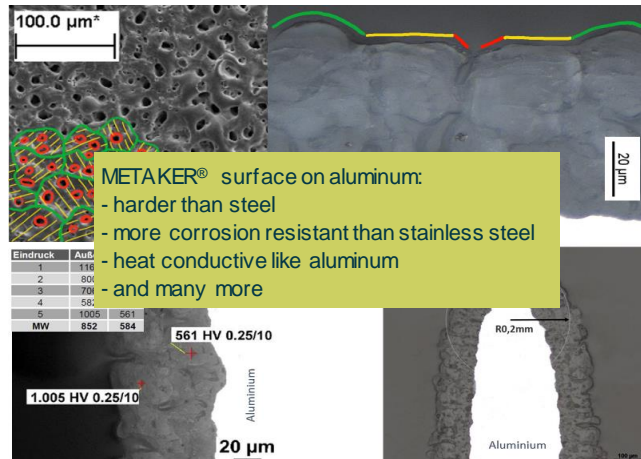
- Proof of function and potentials:
  - 60 % weight
  - 55 % material costs
  - + 740 % thermal conductivity
  - + 100 % lifetime
- Contract coating for european manufacturers of heat exchangers.

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### Our know-how...

- Worldwide unique METAKER® Surface serial technology for modification of light metals **without the use of pollutant**: <http://bit.ly/metaker-din>
- Product-, process-, and technology development.



### We are looking for...

- Manufacturer of heat exchangers as pilot customers

