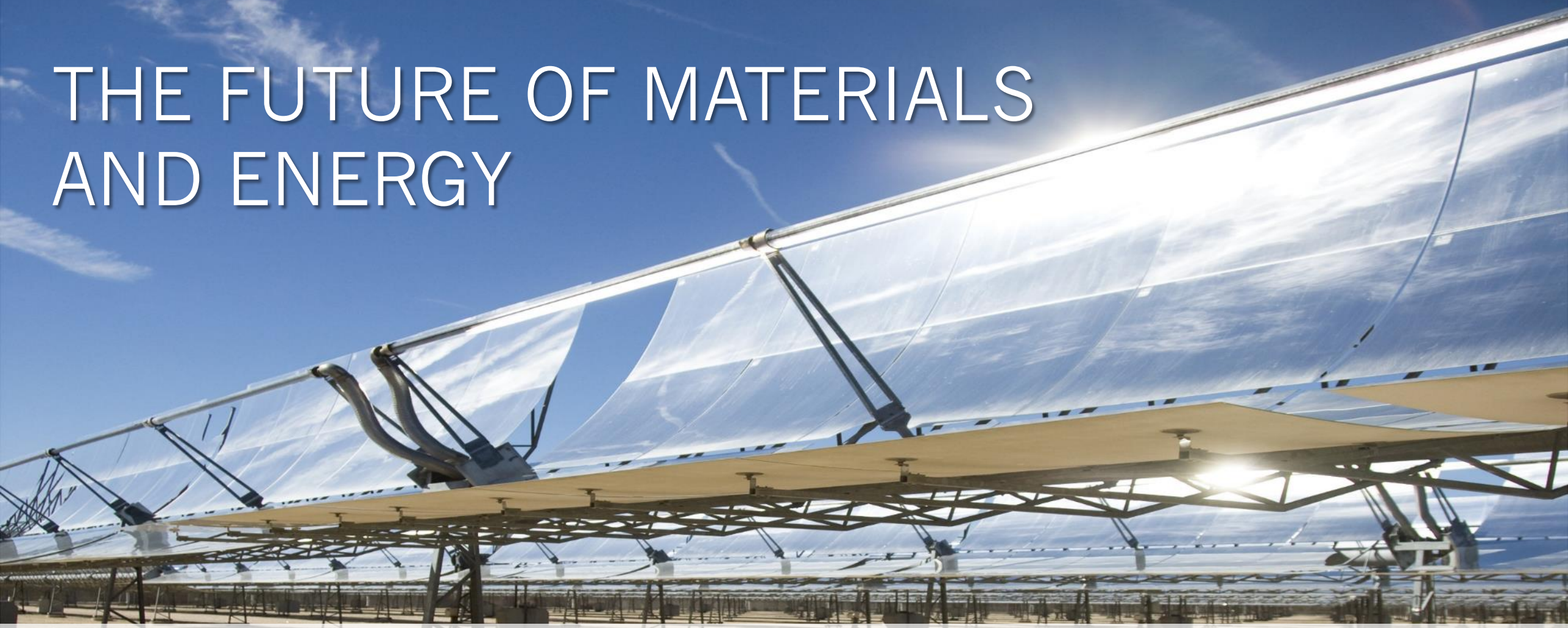
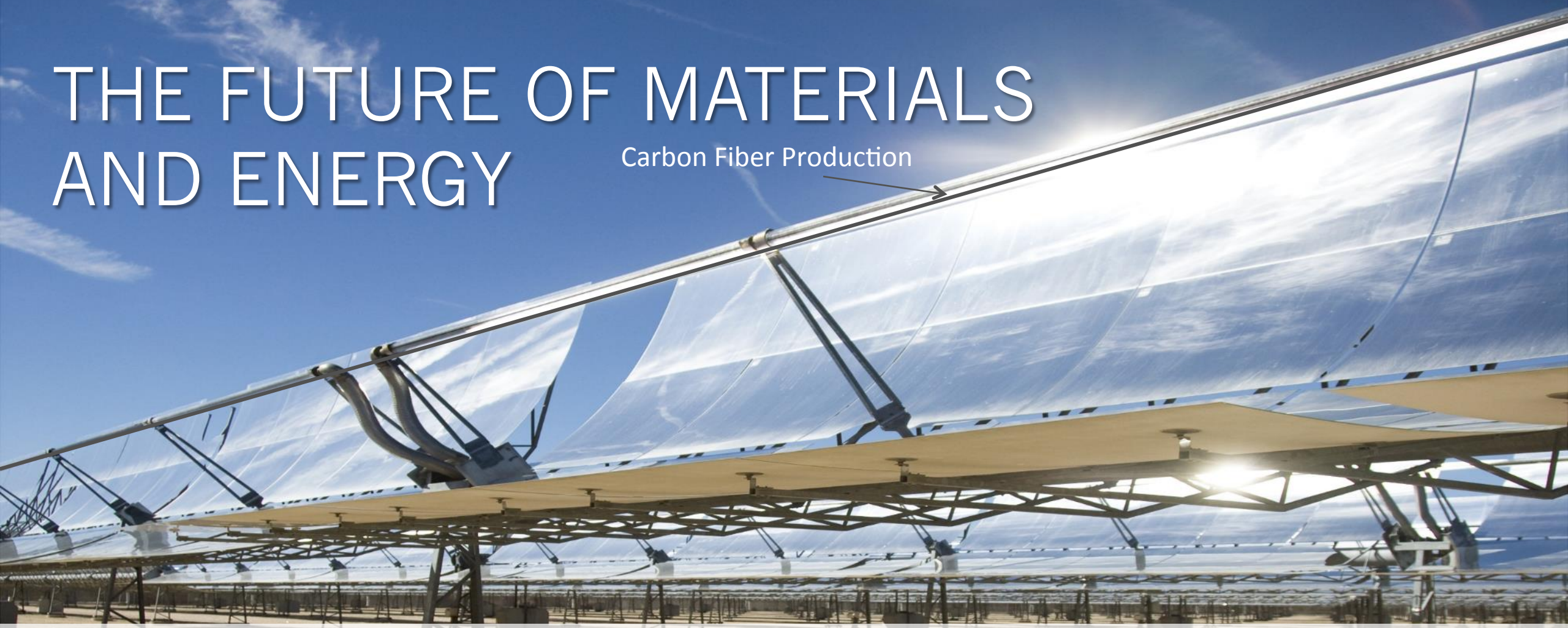
THE FUTURE OF MATERIALS AND ENERGY



CLEAN CARBON® TECHNOLOGY

THE FUTURE OF MATERIALS AND ENERGY



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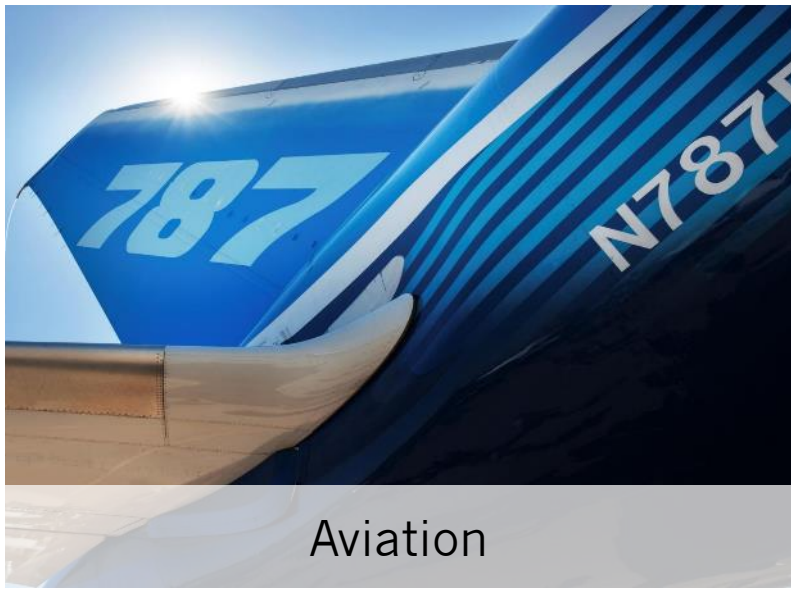
TECHNOLOGY

Carbon fiber is already used in some applications.

Automotive



Aviation

Construction ?

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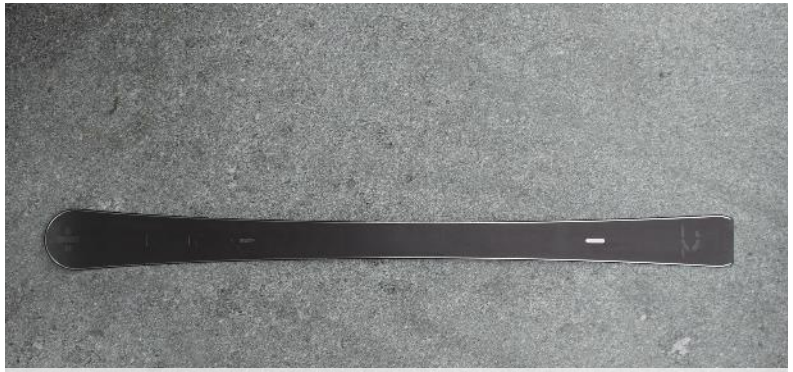
Carbon + Stone is a new hybrid material replacing steel, aluminum and concrete

High-Precision measurement instrumentation from Carbon and African Granit

Railway sleeper from Carbon and Turkish Basalt Stone



Ski with kernel from Carbon and Swiss Alps Granite

PV-facade module with carbon stone frame and glas

High-End loudspeaker from Carbon and German Slate

And many more to come soon...

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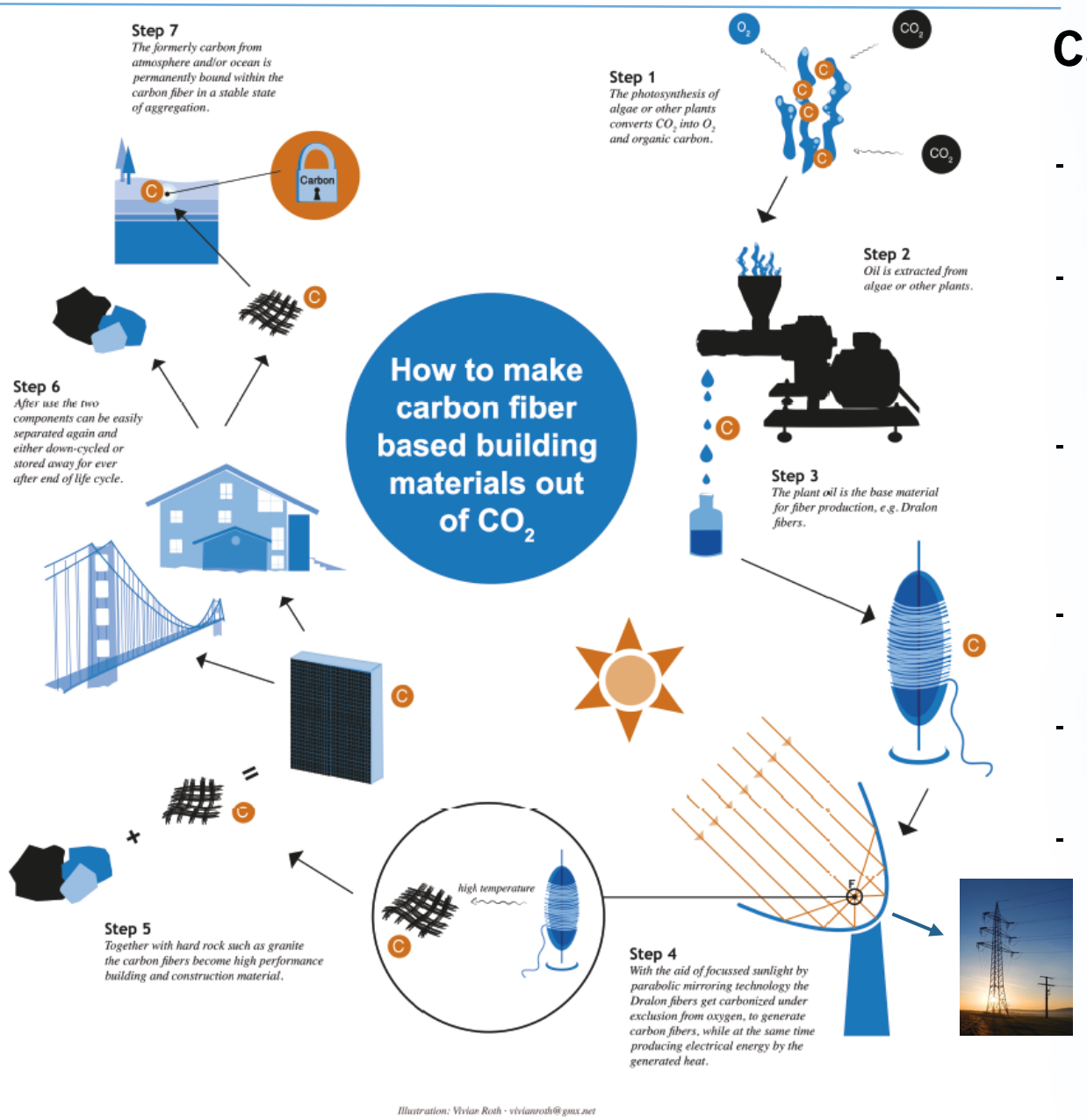

Carbon neutrality is being reached by:

- making of the fiber from algal oil
- using focused sunlight for simultaneous fiber + electricity production
- replacement of steel, aluminum and concrete by carbon fibers + minerals
- separation of carbon and minerals after use
- storage of solid state carbon underground
- leading over time to **carbon negativity** since we make the material out of CO_2

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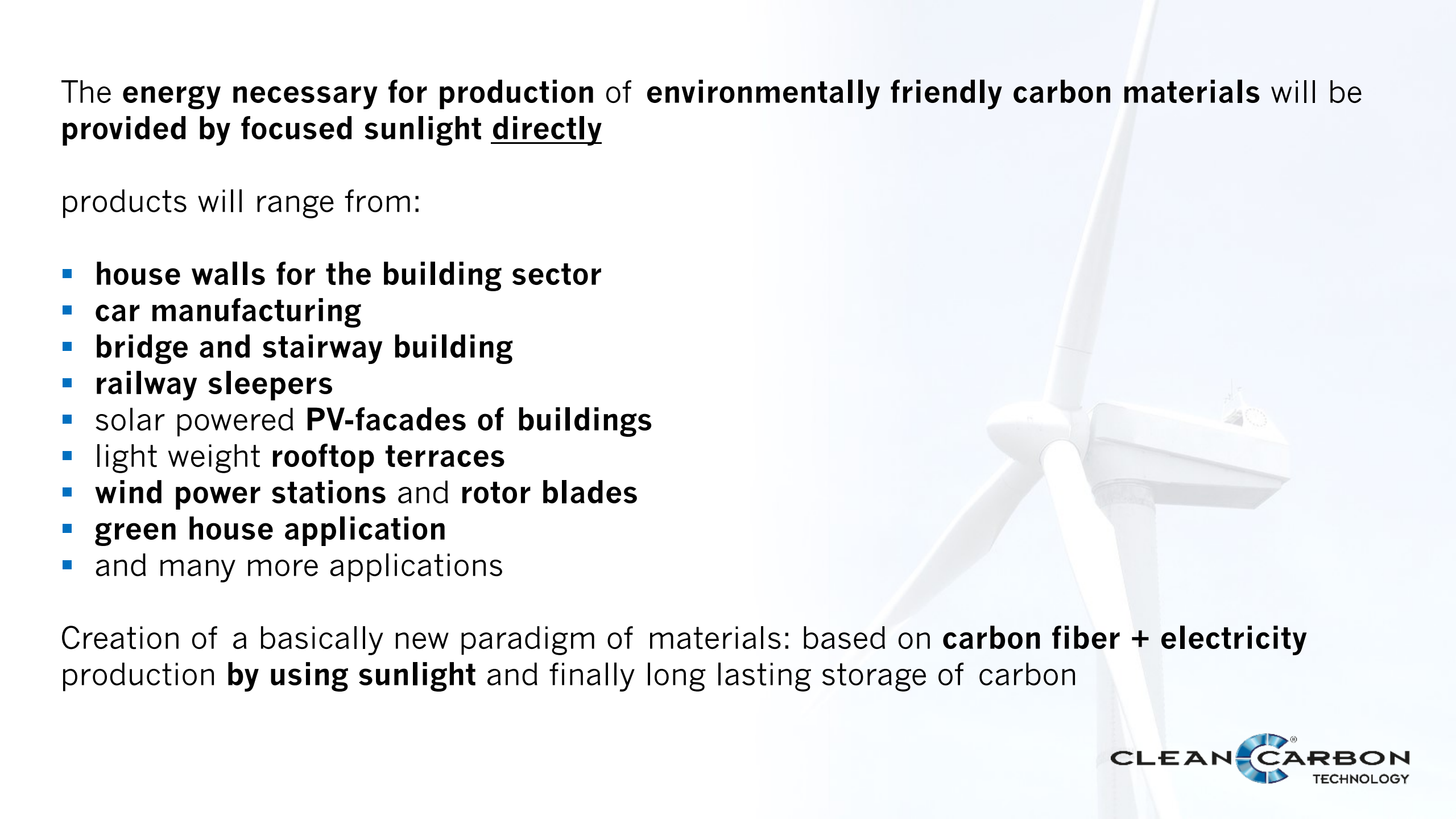
The **energy necessary for production** of **environmentally friendly carbon materials** will be **provided by focused sunlight directly**

products will range from:

- **house walls for the building sector**
- **car manufacturing**
- **bridge and stairway building**
- **railway sleepers**
- solar powered **PV-facades of buildings**
- light weight **rooftop terraces**
- **wind power stations** and **rotor blades**
- **green house application**
- and many more applications

Creation of a basically new paradigm of materials: based on **carbon fiber + electricity** production **by using sunlight** and finally long lasting storage of carbon



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The Paris agreement is stipulating:

- **reduction of greenhouse gas release**, especially CO_2
- **establishment of CO_2 neutrality** by for example enhancing absorption techniques for CO_2 and long lasting storage of carbon

So here is our answer:

- **transformation of CO_2** into the production process of building and construction materials
- Further investment to establish readiness for the global markets for new materials by making **carbon fibers 65% less expensive** than today by direct sunlight production.
- Surplus: Usage of the generated heat for electrical power production

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Thank you for Your attention

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