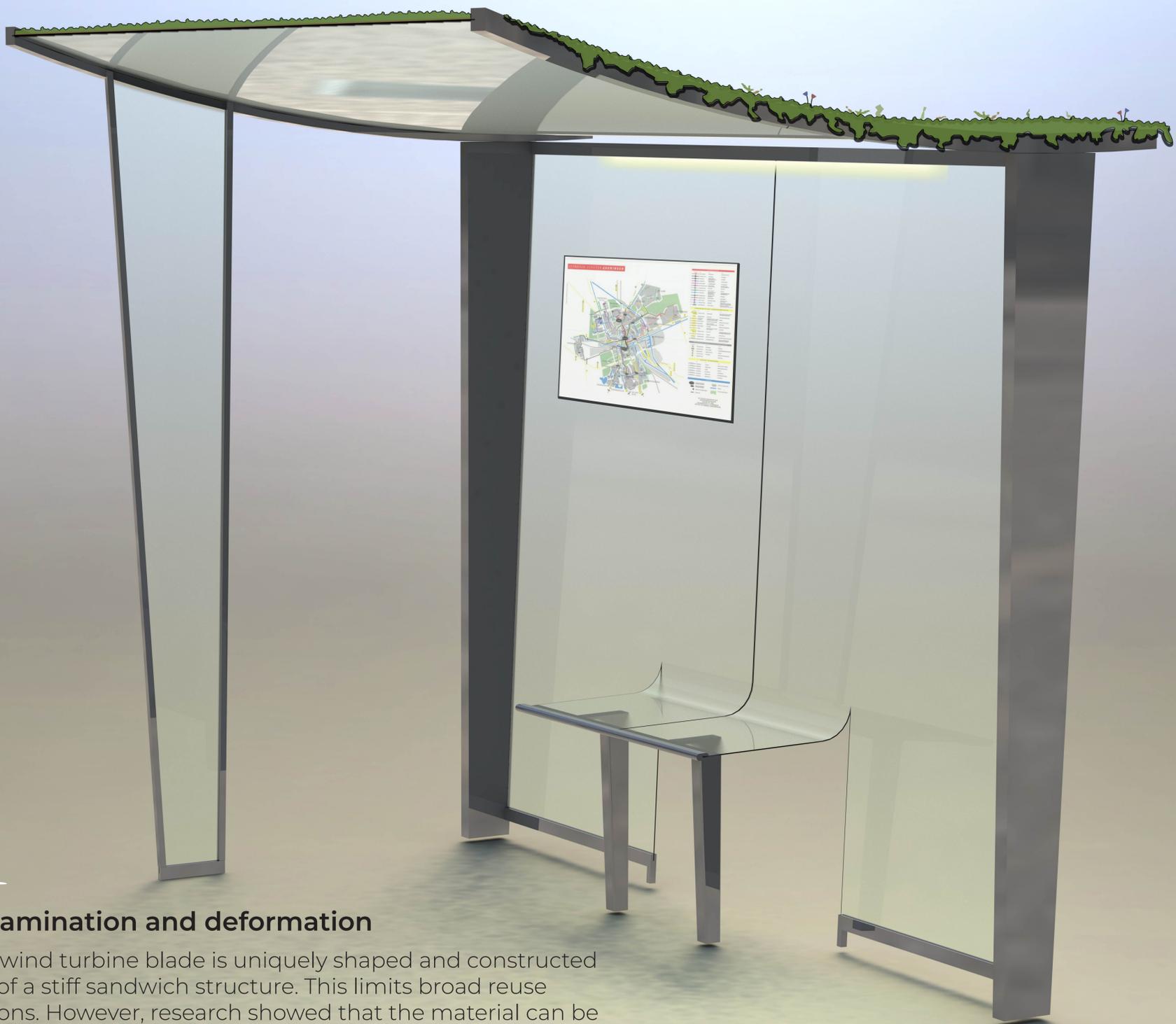


# I used to generate wind energy Now I provide people shelter

Re-use of delaminated composite material from  
decommissioned wind turbine blades

## Thousands of tons of waste

Little attention is paid to the secondary effects of wind turbines. The composite material they use are hard to reuse and recycle. Due to the absence of good alternatives, the blades are most likely to be disposed of in an unsustainable manner



## Delamination and deformation

The wind turbine blade is uniquely shaped and constructed out of a stiff sandwich structure. This limits broad reuse options. However, research showed that the material can be delaminated and that consequently, the shape could be altered.

## Design freedom for scalable applications

As a result, the floor opens for a broader range of reuse applications. Moreover, the material has valuable qualities that can be exploited through reuse. An example of such is the designed bus shelter.

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