



**REEDuce**  
noise protection technologies

**Green Tech Days**  
*Vienna, 10.05.2022*

# Noise is a severe environmental problem affecting 1 in 5 Europeans



- Over **100 Million Europeans** are exposed to high levels of **long-term noise pollution**
- Noise causes severe **health damage**, e.g. stress, cardiovascular diseases

## Sources of noise pollution



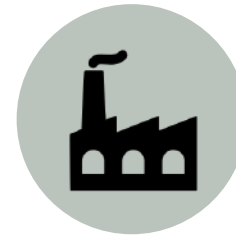
Road traffic



Railway



Air traffic



Production sites



Every year, more than 50 football fields of noise barriers are built in Austria, all of which contradict Europe's sustainability goals

### Conventional noise barriers



Wood concrete



Aluminum



chemically impregnated  
Wood

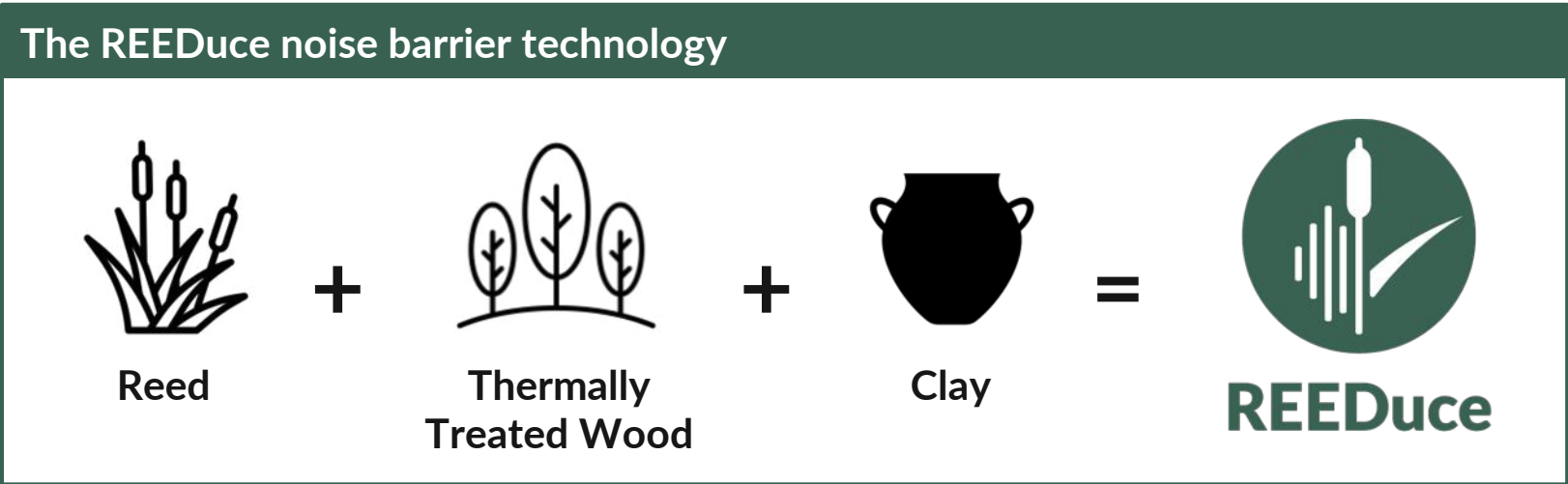






Plastics

- High **CO2-emissions** in production
- **Hazardous waste** at end of lifetime

→ All conventional noise barriers contradict Europe's climate goals and the circular economy

# REEDuce offers the first ecological noise barrier technology



- Milestones
-  Proven pilot wall since 2008
  -  Patented technology
  -  Compliant with norms & standards\*
  -  Available from mid 2022

\* measurements not yet fully completed

# The REEDuce noise barrier offers numerous ecological advantages

## Ecological benefits of REEDuce



**Ecological materials**



**Circular;  
no hazardous waste**



**Regional raw materials**



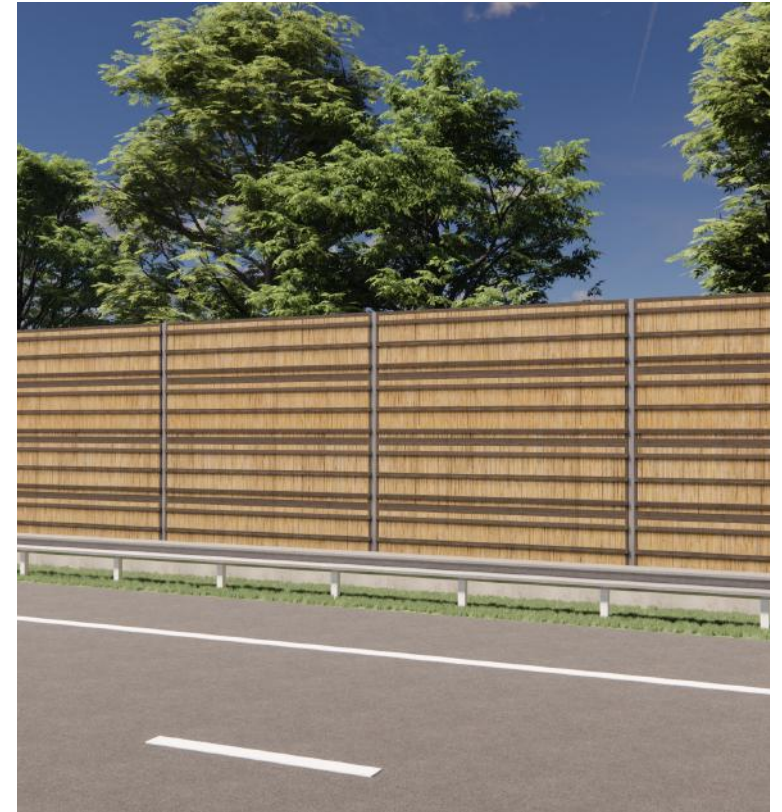
**Fine dust binding**



**CO<sub>2</sub> sink**

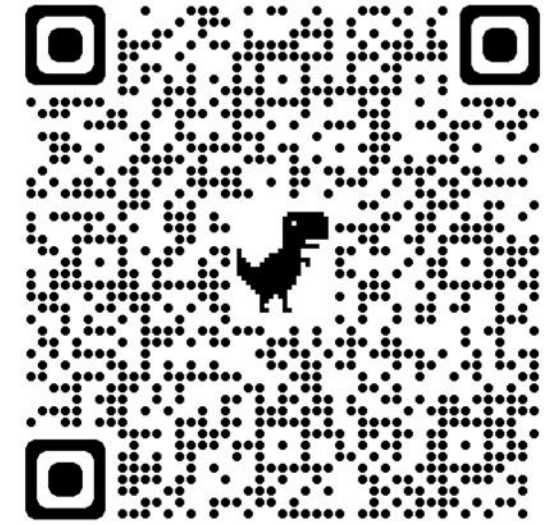


**Insect hotel**





**Want to know more?  
Get in touch!**



**REEDuce**



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In terms of price, the REEDuce noise barrier can keep up with conventional noise barriers, especially when considering the whole life-cycle costs

### Life-cycle costs of noise barriers (EUR/m<sup>2</sup>)

