

# neno

Open Source Headphones

NENO are open source headphones, which integrate new generative manufacturing processes into the audio sector. This is achieved by a functional integration in 3D-Printed headphone components. The headphone's shell consists individual levels which incorporate by its structural design features such as a protection, sound insulation of external noise and internal acoustics. All headphone elements are precisely matched to technical components so they can be simply be clicked into place.

The open access of the construction data in addition with the simple assembling of the components generate low-cost headphones easy to produce.



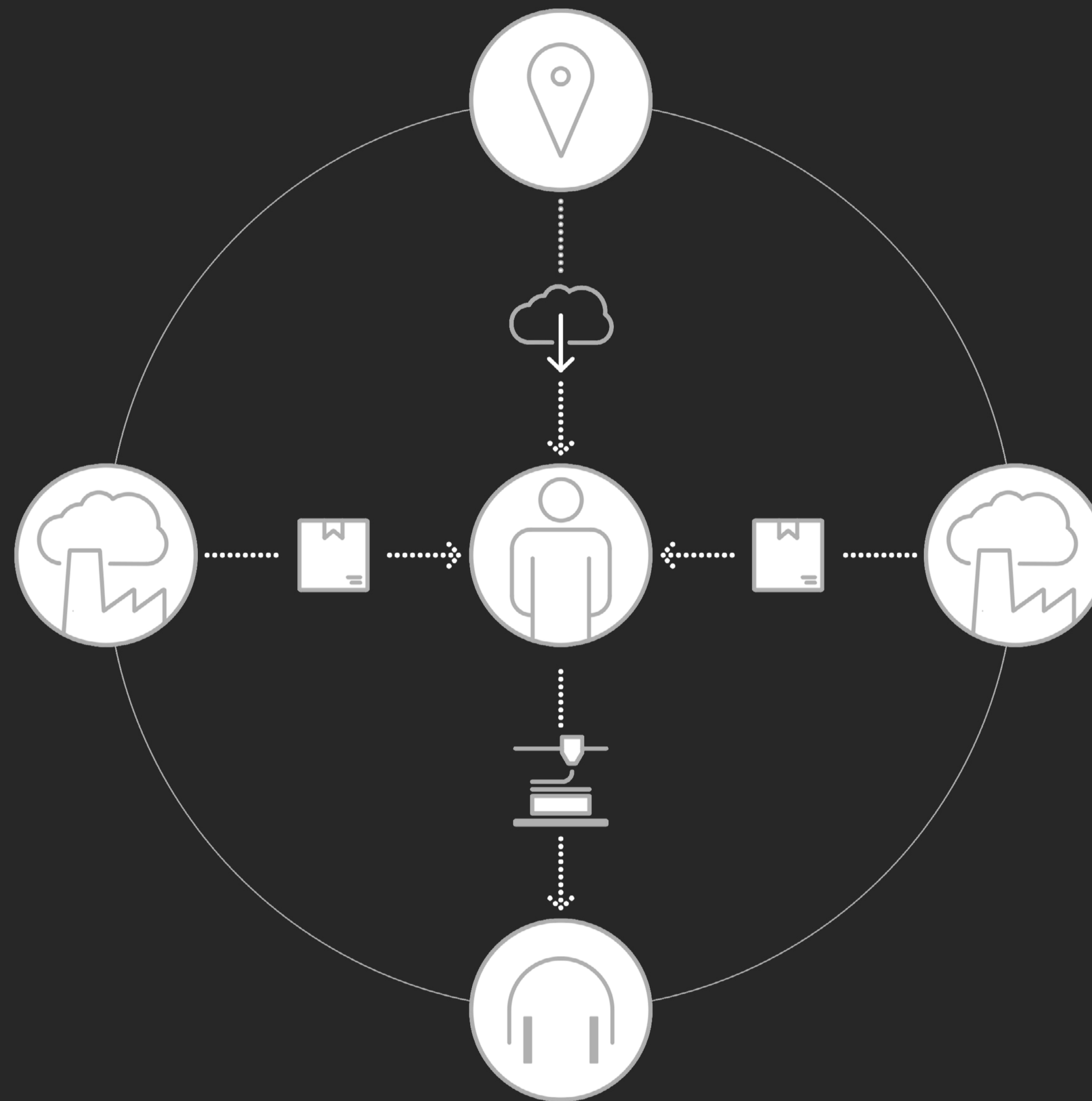
**Concept**  
NENO

**Students**  
Judith Block  
Benjamin Slattery

**University**  
Offenbach School of Design  
Offenbach / Germany  
Industrial Design

## Supply chain

- 1 Download open source headphone data model
- 2 Order non printable headphone components (technical elements)
- 3 Print headphone components
- 4 Mount all components together



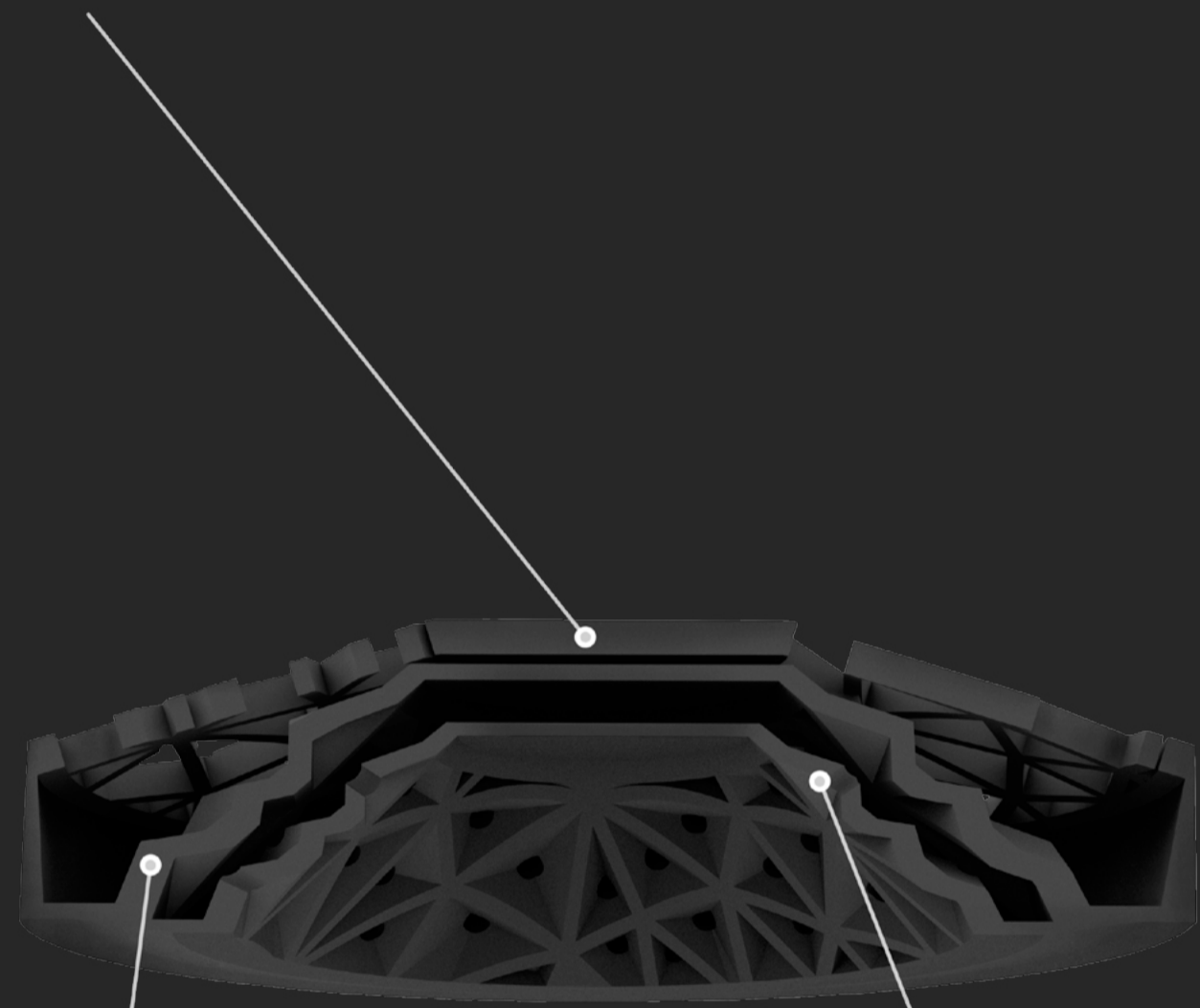
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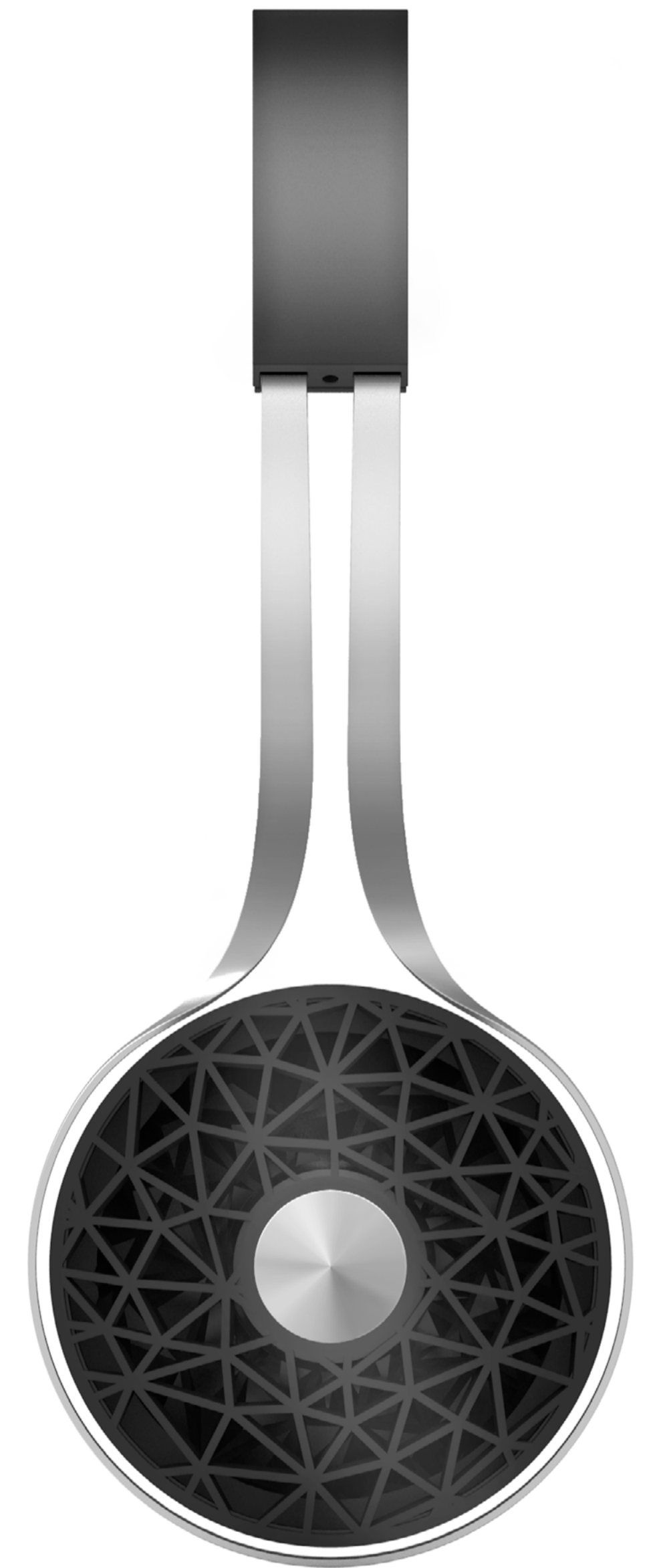
## Technical Construction

chassis and communication



external noise insulation

internal acoustics



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