

DNNDSP

We can make your speech sound clean and shiny

The Project

Bad speech quality under adverse conditions is still a problem for classic signal processing algorithms, being used in most today's applications.

We make the customer's system intelligent by integrating smart AI based algorithms on low power hardware or into their existing software. Customers can even optimize the quality by tailoring the algorithms to their acoustic scenes with just some short recordings.

Targeted markets are: Speech enabled devices, broadcast, telco/teleconference, industry

The Team

Location: Fraunhofer IDMT-HSA (Oldenburg)

Members: Ragini Sinha (PhD), **Christian Rollwage** (group leader), Jan Wellmann (group leader)

AHEAD Infos Batch: 2023 Phase: 1 Track: Licensing

The Business Model

Unique Selling Proposition: Adaptability of algorithms, Integration into low power chips,

Unfair Advantage: Adaptation to new acoustic scenarios by the customer
Architecture and know how to bring AI denoising to a DSP
Integration of DSPs into customer projects

Revenue Model: Per piece license

Venture Readiness Level



Technology Readiness Level



The Side Facts

Customer Focus: B2B

Searching For: Licensees

Industry Tags: Telecommunication, Semiconductors, Software & Services

Technology Tags: Deep Learning, Audio Signal Processing