Alango Company Newsletter   **September 2021**

Listen Now: Alango Deep Neural Network-based Noise Suppression

Separating noise from speech is a core part of what we do at Alango and we never stop looking for ways to make it even better.

Classical DSP-based noise reduction (which can be found in our current-gen voice communication solutions, VCP and eVCP) is an efficient, tried-and-true method for removing noise from speech, applicable to a broad set of device types and call environments. But classical audio signal processing has its limitations. For example, non-stationary noises are difficult to cancel, and some sounds which are obvious to the human ear as noises (like knocking, or wind sounds) can nonetheless be preserved as voices in the classical approach.

To make VCP even better at distinguishing noise from voice, we have been developing a compact Deep Neural Network Noise Suppression algorithm that will become a part of VCP. We're excited to share the progress, as we believe it will offer a dramatic improvement in some of the more challenging use cases. Click here to learn more and hear it for yourself.

VCP & OnlyVoice now available on Knowles Dev kit

Pictured: Knowles TWS Development Kit

Available now for TWS OEMs: Alango's Voice Communication Package (VCP), with multi-microphone beamforming, and Alango OnlyVoice technology, which intelligently combines external beamforming with internal sensor-based voice processing, have both been ported to the Knowles IA8201 processor. And there's a new development kit from Knowles Corporation to accelerate the design process. Click here for additional details:

Read more →

BeHear News

Alango's [BeHear brand of assistive listening devices](#) serves the needs of people with mild to moderate hearing-challenges. On BeHear devices, individually personalized amplification is enabled through an audiologist-designed, user-led hearing test, performed on the device's companion app. We have also incorporated the self-test procedure into [our own hearing test kiosk](#).

BeHear Express Hearing Check Kiosk

Travelers waiting for flights in [select airports in China can now self-check their hearing](#)—using BeHear Kiosks inside the terminal—and choose an appropriate listening enhancement solution from the BeHear product line. Hearing check kiosks and the full range of BeHear products are now available in the AI Smart Times airport stores in Shenzhen, Xian, Harbin, Hangzhou, and Zhengzhou.

OEMs and ODMs looking to gain a competitive edge are able to [license the same technologies that power BeHear](#), including self-fitted hearing personalization, multiband dynamic range processing, and more.

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As always, we look forward to hearing from you!