

# Allinga Voice – Speech synthesis »Made in Germany«

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## Natural sounding speech output for professional applications

In human-machine interaction, it is often beneficial if textual information doesn't need to be read - for example from a display - but can instead be communicated in a natural way: with a human-sounding voice. Technologies like this were originally developed to help people with visual impairments access written media. Today, Text-to-Speech (TTS) is used in all kinds of applications where spontaneous and flexible speech output is preferable to pre-recorded audio prompts. For example, in telephone customer service, on smart speakers or for station announcements. However, we are far from exhausting the potential of TTS systems.

### Allinga Voice Features

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- high-quality, natural-sounding voices
- excellent performance in German and English
- male and female speakers available
- adjustable speech tempo and pitch
- straightforward addition of technical terminology using phonetic transcription
- personalized voices and expression of emotion available
- full data sovereignty

### Highest quality - smallest footprint

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**Our natural-sounding speech synthesis is resource-efficient, even at the highest quality level. Instead of using expensive and energy-intensive GPUs, it uses conventional CPUs for real-time calculations.**

Allinga Voice provides companies with numerous ways of improving efficiency, quality of communication and user-friendliness. With the system jointly developed by the Fraunhofer Institute for Integrated Circuits IIS and Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS, your devices and services are endowed with a high-quality, artificial voice. State-of-the-art algorithms use Deep-Learning technology to create very natural-sounding speech with excellent intelligibility and fluent intonation.

### A fully tailored solution for your company

Give your company its own unique voice! Allinga Voice system is not an off-the-shelf solution - we always tailor it to your specific requirements. What's more, you can quickly and easily expand your system vocabulary yourself, for example, by integrating specialist terminology. If you'd like, we can also train the system for personalized voices and to express emotions.

Adhering to data-protection regulations is particularly essential in the professional environment. That's why our approach focuses on full data sovereignty up to deployment in your own data center — unlike with consumer solutions, you decide where your company's speech data is stored. With flexible licensing models and extensive technical support, we can ensure the success of your language application together.

### Allinga Voice supports you in numerous areas, with:

- accessible websites and devices thanks to the read-aloud function
- convenient creation of media content, for example for e-learning or gaming
- producing announcements, for example for public transport or events
- an integral component of speech assistant and dialog systems

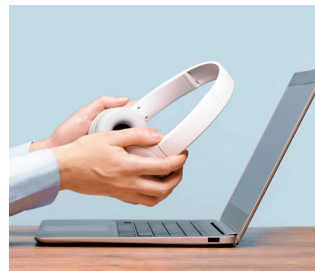
### The digital future has a voice

The Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS and the Fraunhofer Institute for Integrated Circuits IIS are constantly advancing scientific and technological developments.

We are working on the development of a holistic voice assistant and dialog system to offer you even more solutions for the challenges of the voice-controlled future - of course »Made in

Germany«. In addition to the speech synthesis options described here, our Automatic Speech Recognition (ASR) is already in use recognizing spoken language and converting it to text. Our system can also handle Natural Language Understanding (NLU) - your customers will be understood, regardless of their grammar and the sentence structure used.

Last but not least, with integrated data and dialog management, specific business solutions are created entirely according to your needs. This ensures that the conversation with your speech assistant is also a beneficial experience for your customers in terms of content.



#### Contact

Interested in a demonstration or an evaluation?  
Please get in touch:

[info@allinga.fraunhofer.de](mailto:info@allinga.fraunhofer.de)

[www.allinga.fraunhofer.de](http://www.allinga.fraunhofer.de)

Fraunhofer Institute for  
Integrated Circuits IIS

Fraunhofer Institute for  
Intelligent Analysis and  
Information Systems IAIS

Am Wolfsmantel 33  
91058 Erlangen, Germany

Schloss Birlinghoven  
53757 Sankt Augustin, Germany

Mandy Garcia  
Phone +49 9131 776-6178  
[mandy.garcia@iis.fraunhofer.de](mailto:mandy.garcia@iis.fraunhofer.de)

Carolina Held  
Phone +49 2241 14-2537  
[carolina.held.celis@iais.fraunhofer.de](mailto:carolina.held.celis@iais.fraunhofer.de)

[www.iis.fraunhofer.de](http://www.iis.fraunhofer.de)

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