

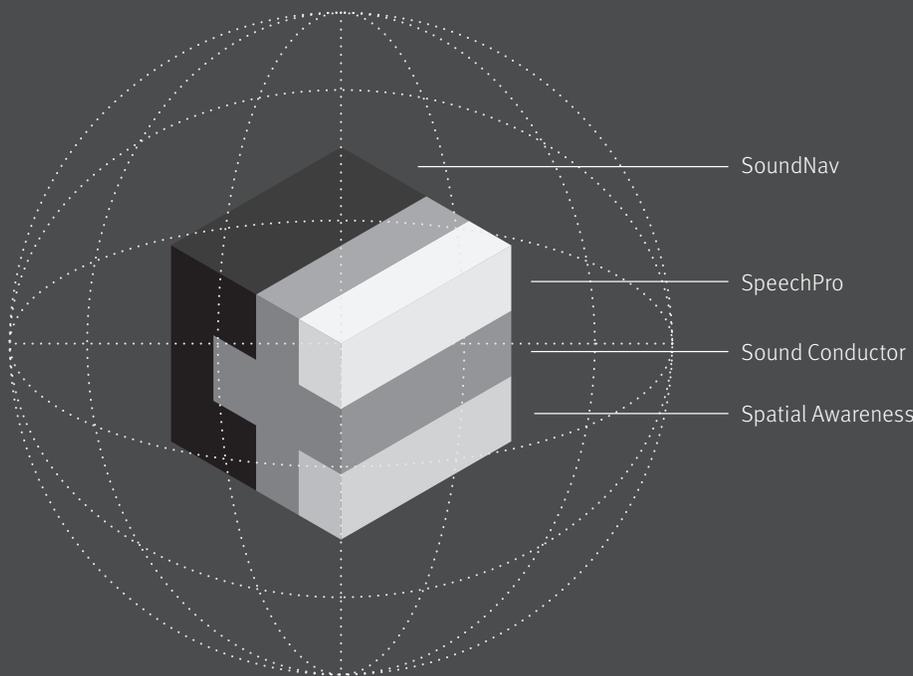
50%
more
accurate*

36%
faster*

It's time to meet our newest platform. Tempus is the latest proof of our passion for bringing technologies to market that help patients solve their biggest complaints around conversations. We channeled the extremely high performance of Tempus into making sure patients can hear their absolute best in every type of conversation, including those with a lot of background noise. And it's all thanks to our highly intelligent **SoundCore™ technology**.

100%
game-changer in
conversations

Tempus™



The SoundCore technology has 4 key components

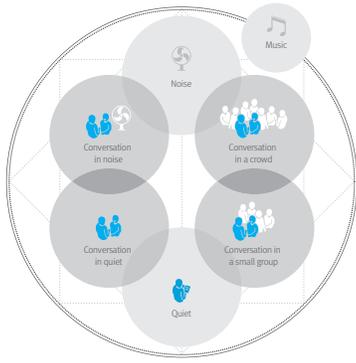
SoundNav - 7 multi-destination automatic programs: Conversation in quiet, Conversation in small groups, Conversation in a crowd, Conversation in noise, Noise, Quiet and Music.

Spatial Awareness - Recreation of binaural cues (i.e., head-related transfer function [HTFR])

SpeechPro - Beam forming system to enhance the primary speech signal

SoundConductor - Facilitates appropriate application of the adaptive features

SoundCore™
Best in conversations



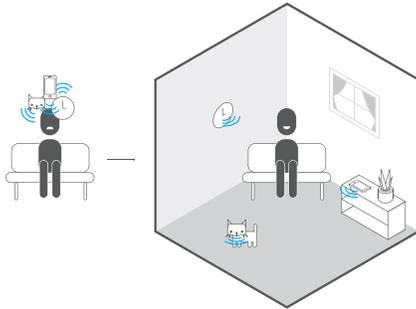
SoundNav

7 environment programs

4 environments dedicated to conversation (quiet, small group, crowd and noise)

3 environments dedicated to non-conversation acoustic environments (quiet, noise, music)

Acoustic classification of the environment are determined by the DSP chip analyzer, scanning the sound field 689 times per second



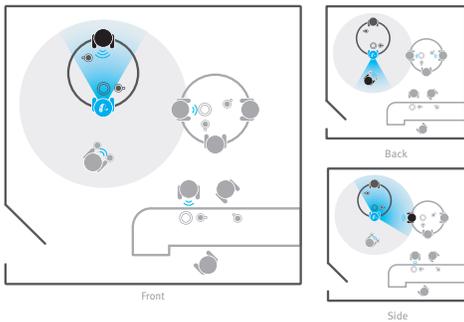
Spatial Awareness

Microphone strategy to recreate the head-related transfer function

Relies on interaural time and intensity differences

Advanced beamforming – different beamforming for low, mid and high frequencies

Mimicking binaural processing/cues



SpeechPro

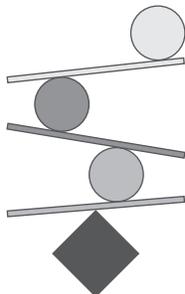
Automatic beamforming system to enhance the primary speech signal in the most challenging listening environments

3-part strategy

Locate speech (speech locator)

Separate speech from noise (SpeechFocus – beamformers)

Restore binaural cues (Dynamic Spatial Awareness – dynamic gain offset)



Sound Conductor

Master algorithm that ensures the right balance of speech enhancement, noise reduction and directionality so they are appropriate for the acoustic environment

Maintains natural sound quality

Once the classification of the SoundNav environment has been determined, the adaptive features will adjust to maintain the correct strength at the correct time

Working together, SoundCore provides 3712 unique responses which drives Tempus to keep up with the speed of life and be the absolute best in conversation.