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Engaging in life like never before



Mandy Weydeck, Au.D.
Education & Training Specialist
Central Region

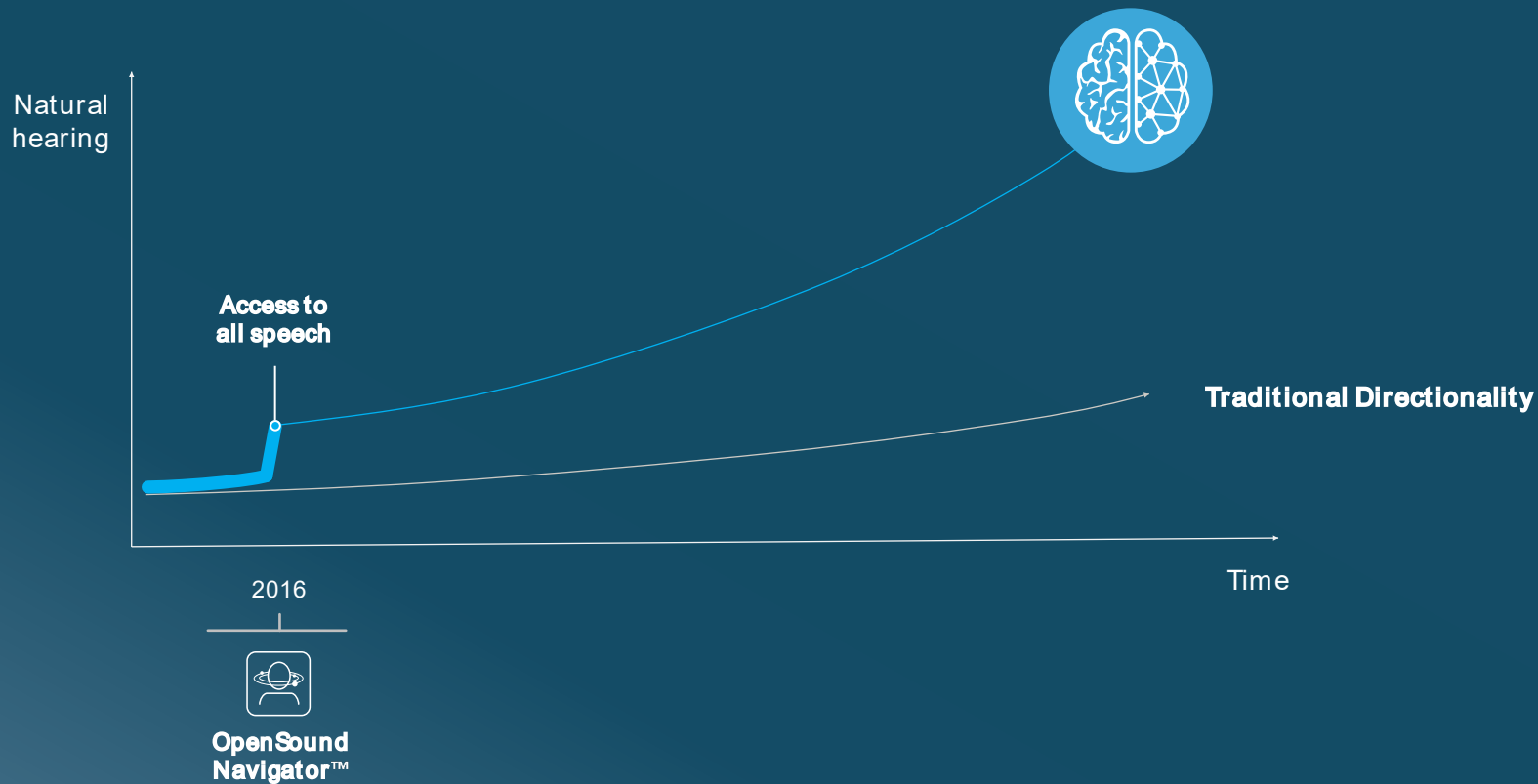
oticon
life-changing technology

Learner outcomes:

After this course, participants will be able to:

- . . . describe the additions to Oticon BrainHearing™ technology in Oticon's product family.
- . . . recall the styles and performance levels of Oticon's product family.
- . . . discuss the benefits of next generation Bluetooth LE audio for improving hearing aid user's connectivity experience.

We have taken a different path



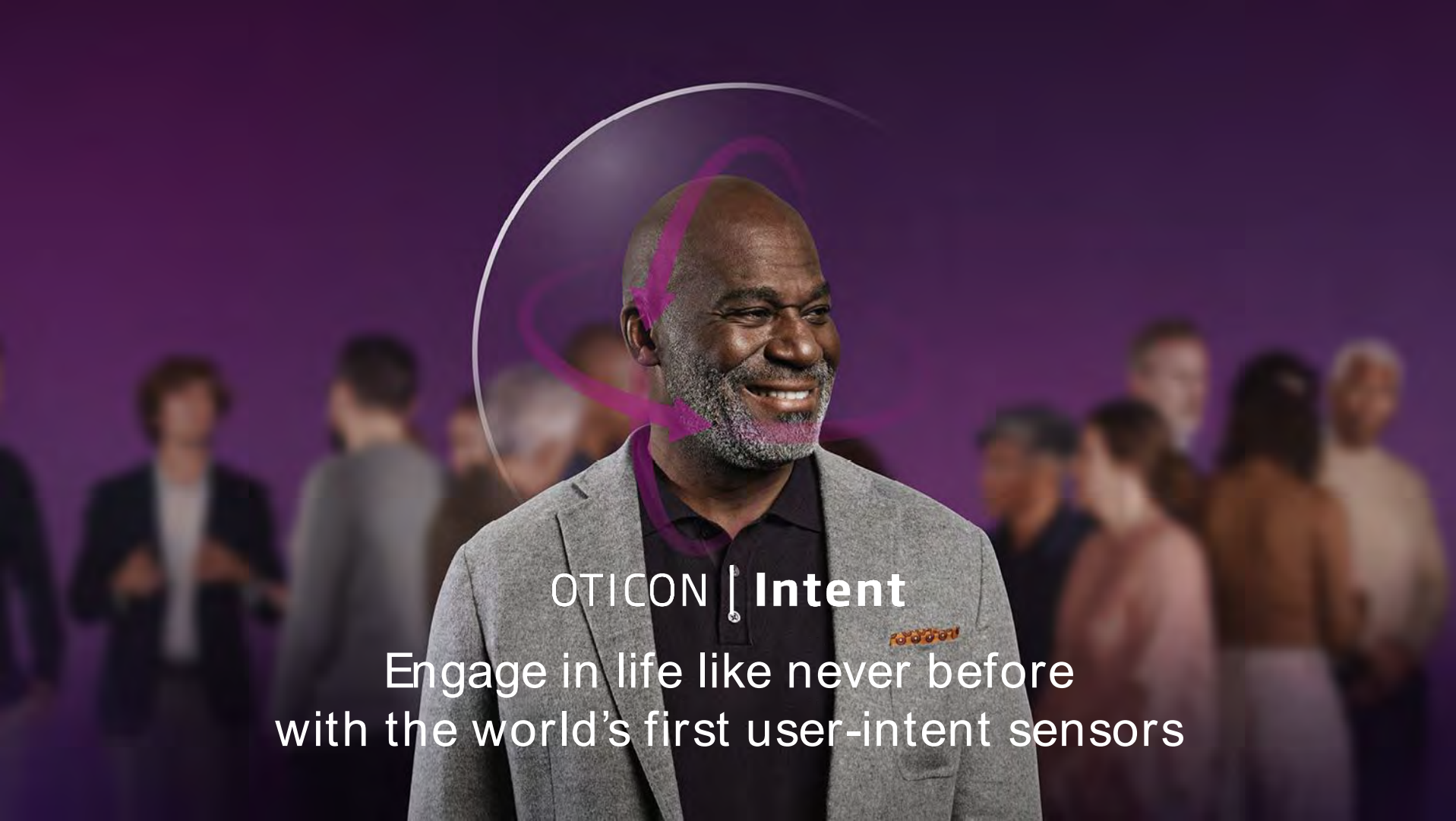
Traditional hearing aids understand sound

but not the user



Because users have different needs In the same sound environment





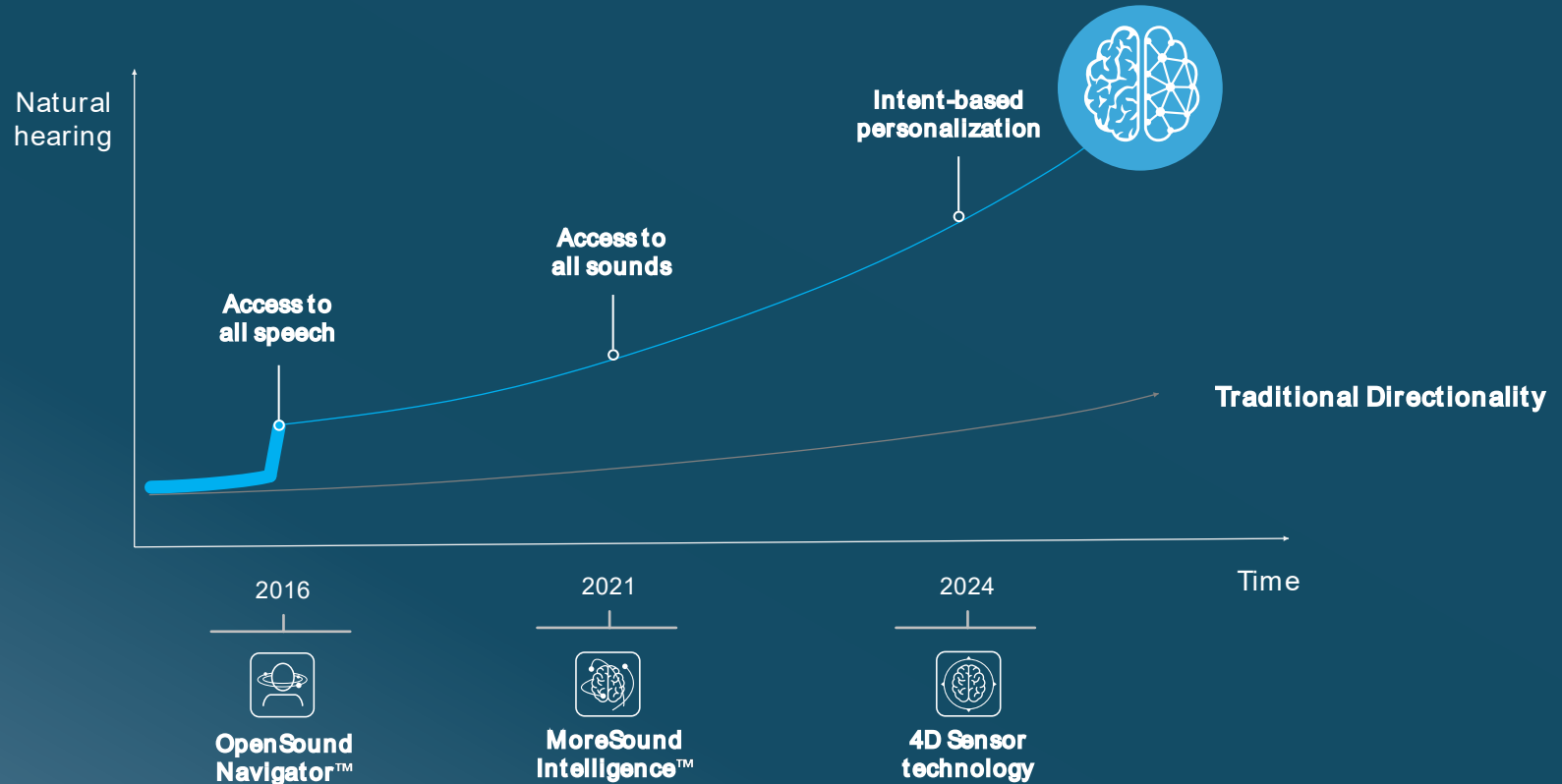
OTICON | **Intent**

Engage in life like never before
with the world's first user-intent sensors

Supporting social engagement



BrainHearing™ Innovations



Our relationships are essential to our health and well-being.

Learn more at
[SurgeonGeneral.gov/Connect2Heal](https://www.surgeongeneral.gov/Connect2Heal)



Office of the
U.S. Surgeon General

Our Epidemic of Loneliness and Isolation



2023

The U.S. Surgeon General's Advisory on the
Healing Effects of Social Connection and Community



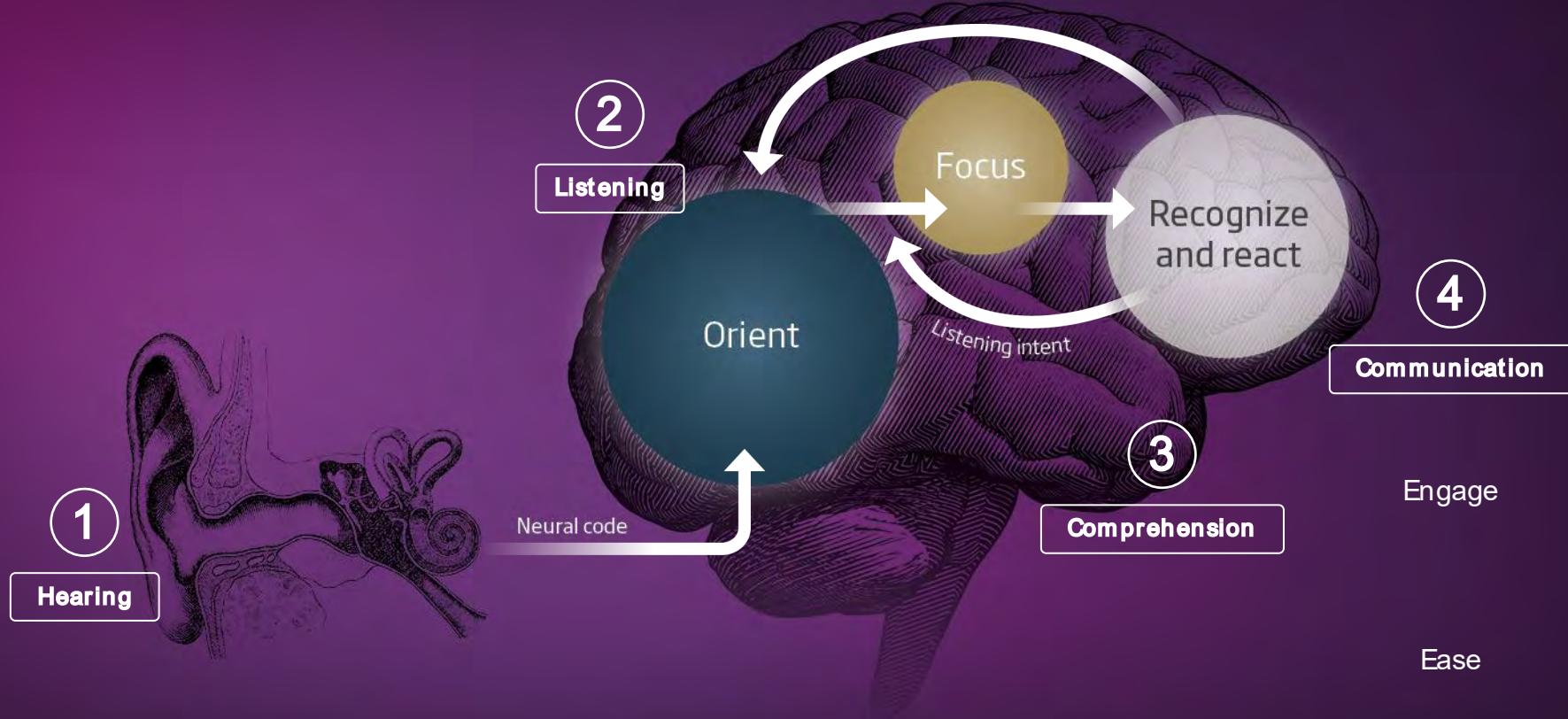
precision medicine

“Most medical treatments are designed for the “average patient” as a one-size-fits-all-approach, which may be successful for some patients but not for others...The goal of precision medicine is to target the right treatments to the right patients at the right time.”



Steps for successful communication

Successful communication in your brain



The goal...

Support people with
hearing loss to engage
most effectively and with
ease in communication.



Capturing listening intentions

Head and body movements are key features for understanding communication intent

A photograph of a group of people in conversation. In the center, a Black man with a grey beard and a grey blazer is looking towards a woman on his left. The woman has brown hair tied back and is wearing a pink top. To the right, a woman with curly brown hair is looking towards the man. The background is a solid purple color. Three text boxes are overlaid on the image.

We tend to orient our head and body towards the person talking to us

As complexity increases, we may lean forward, move closer, or turn our head slightly

In a group conversation, we tend to move our heads more

Four insights

How we understand user intentions

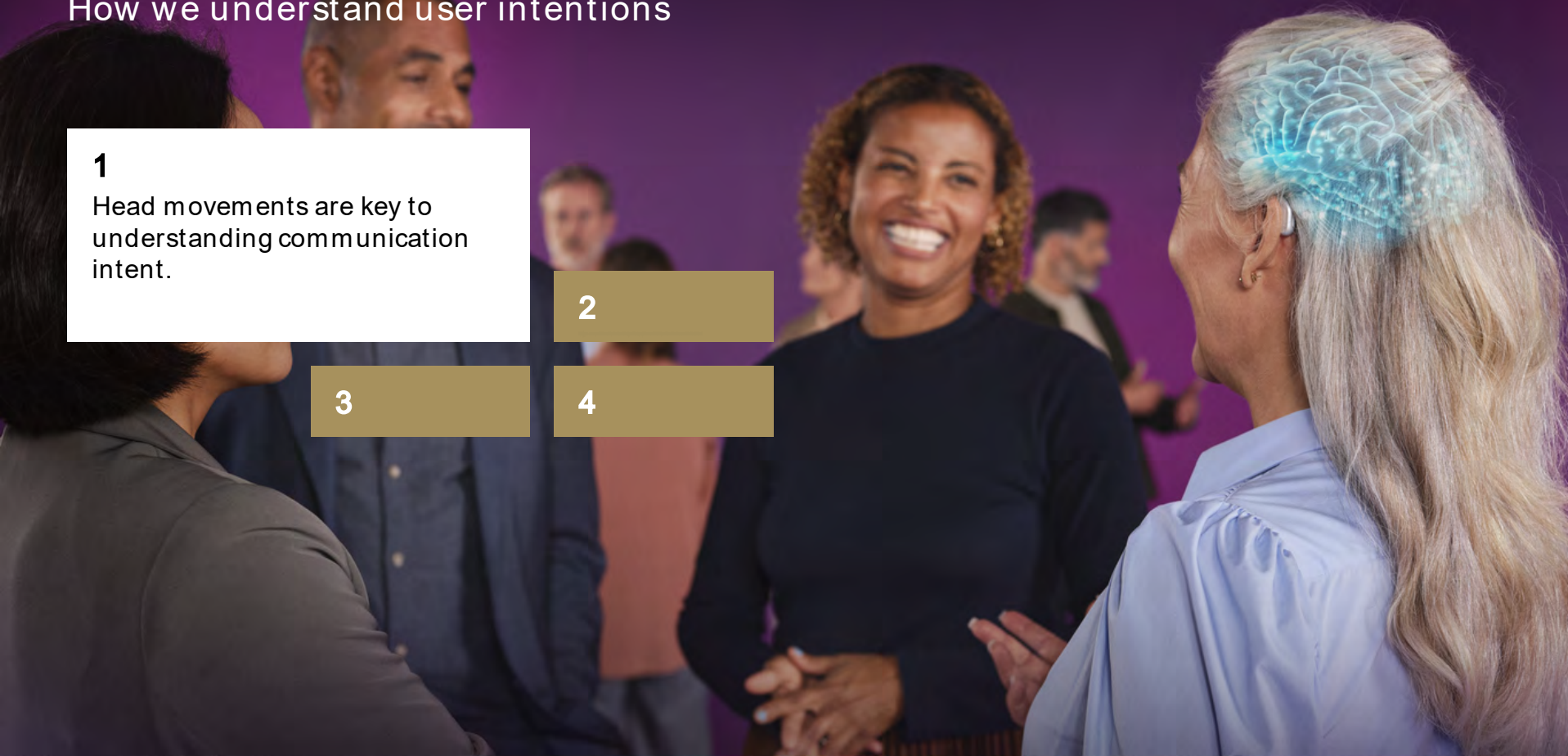
1

Head movements are key to understanding communication intent.

2

3

4



Four insights

How we understand user intentions

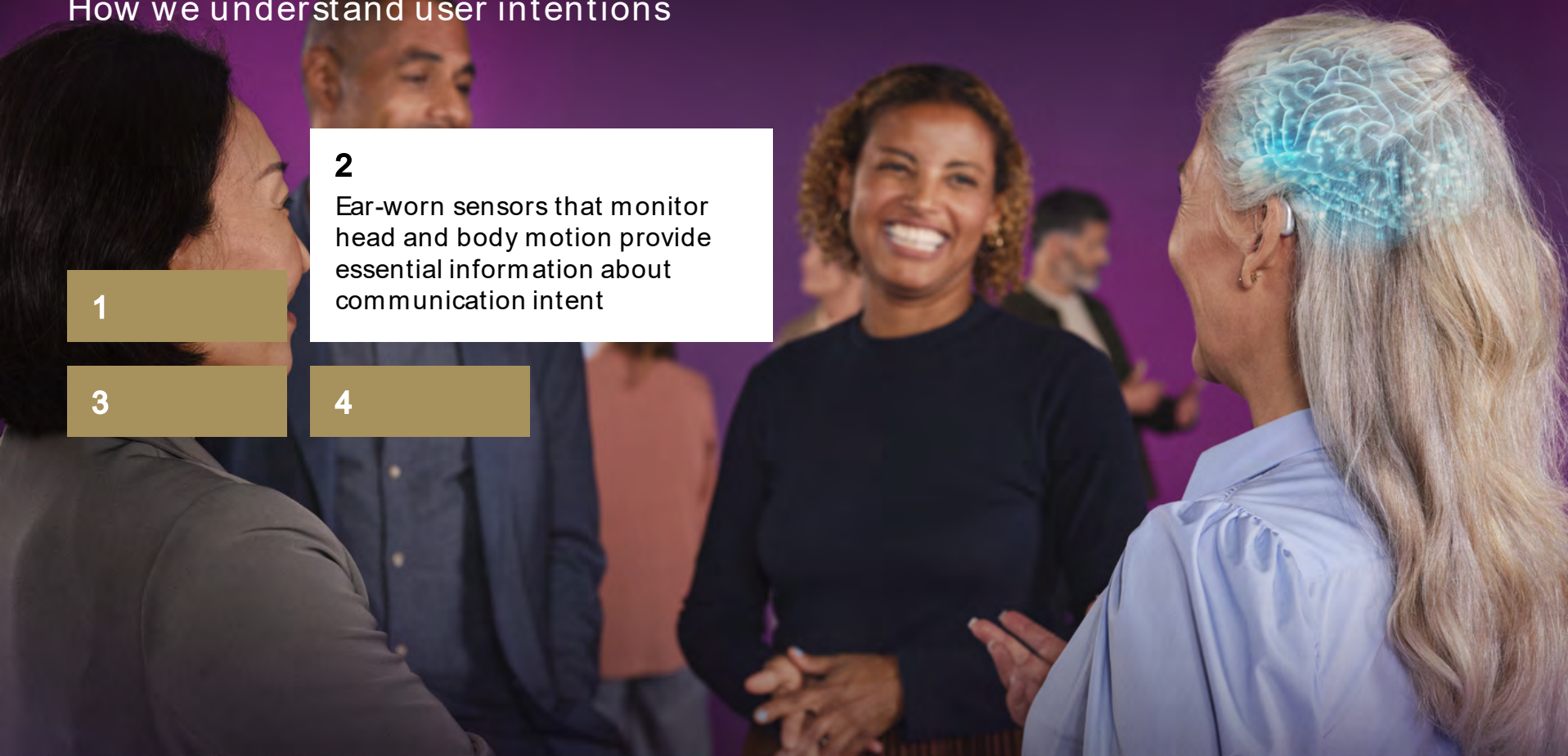
1

2

Ear-worn sensors that monitor head and body motion provide essential information about communication intent

3

4



Four insights

How we understand user intentions

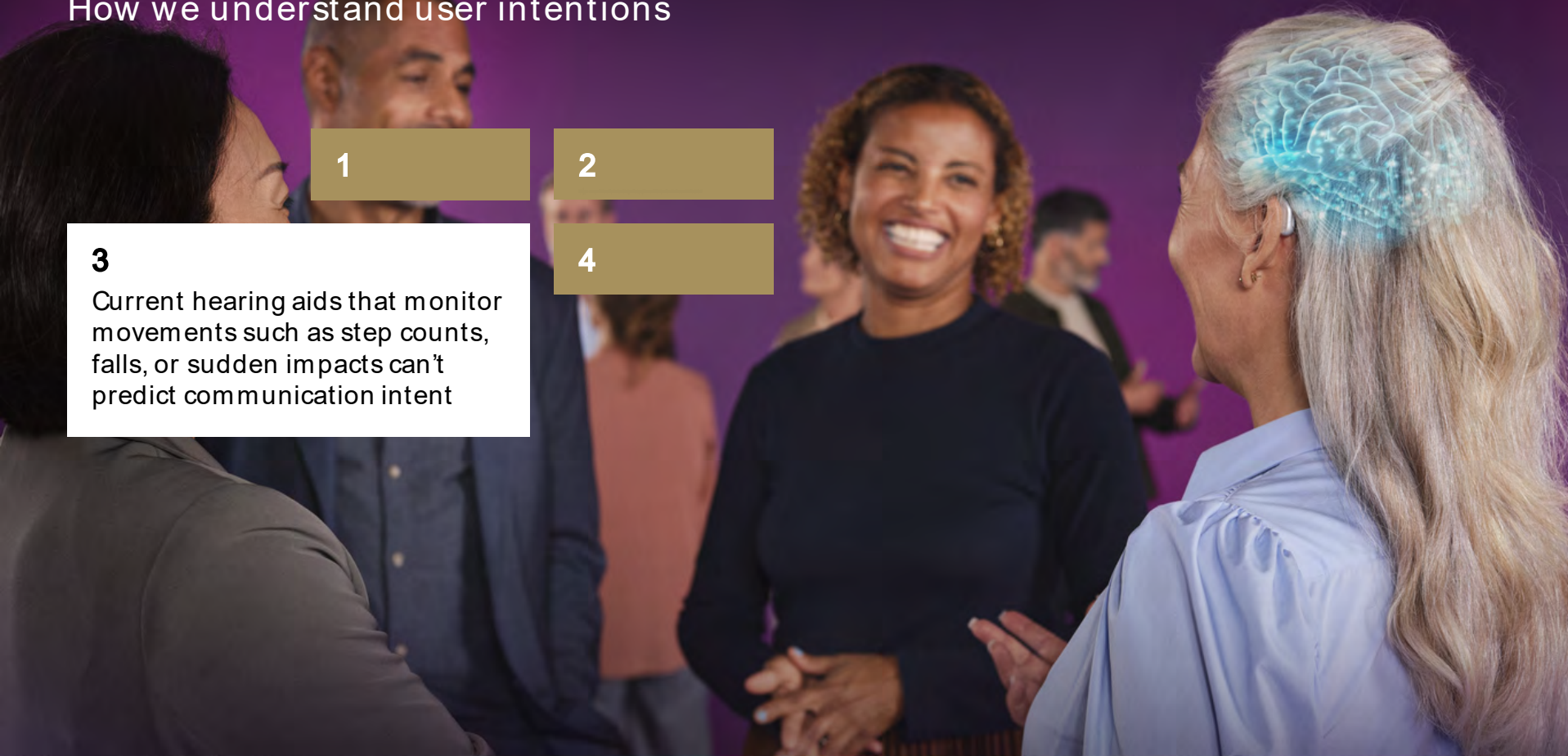
1

2

3

Current hearing aids that monitor movements such as step counts, falls, or sudden impacts can't predict communication intent

4



Four insights

How we understand user intentions

1

2

3

4

Hearing aids with sensors must use the information provided by head movements and fundamental knowledge of communication behavior to better predict and support the user's listening intentions



Introducing 4D Sensor technology

The world's first
user-intent sensors



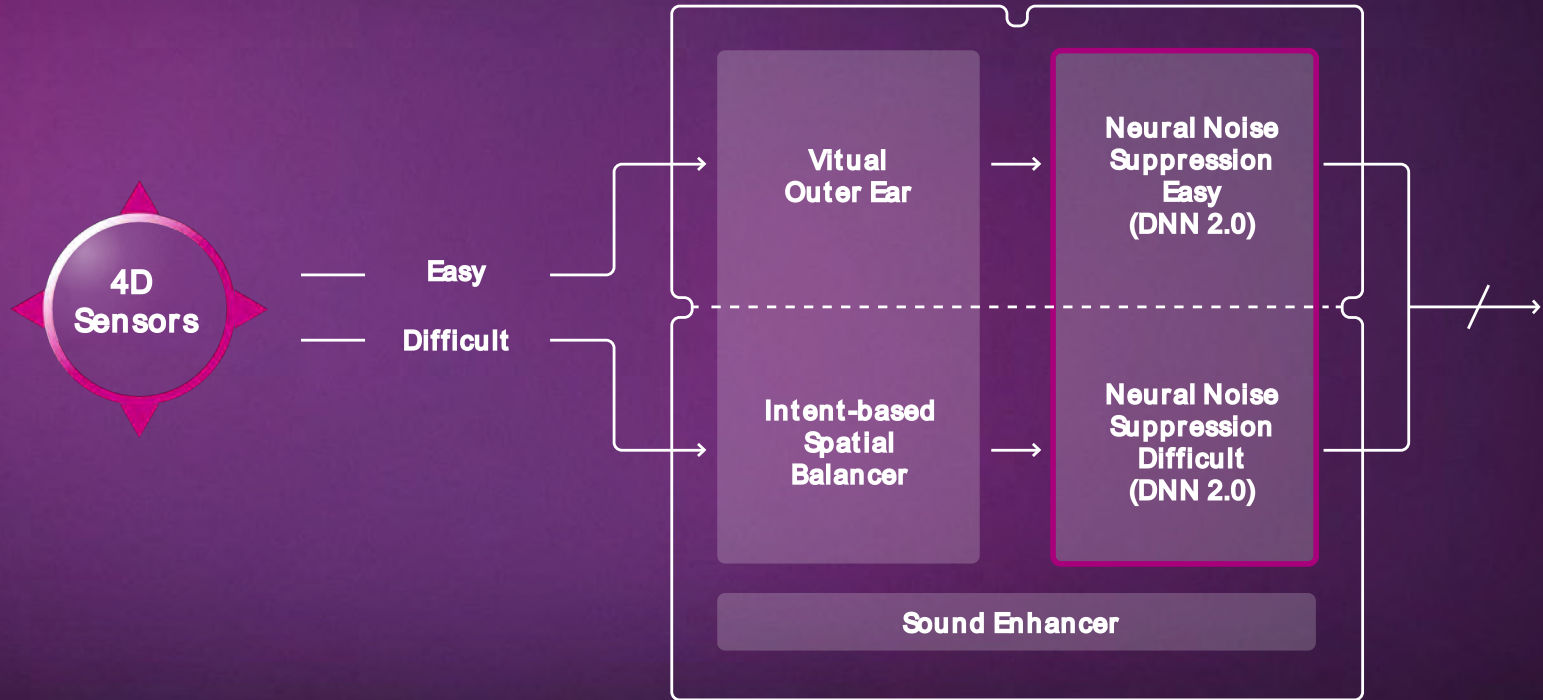
Conversation
activity

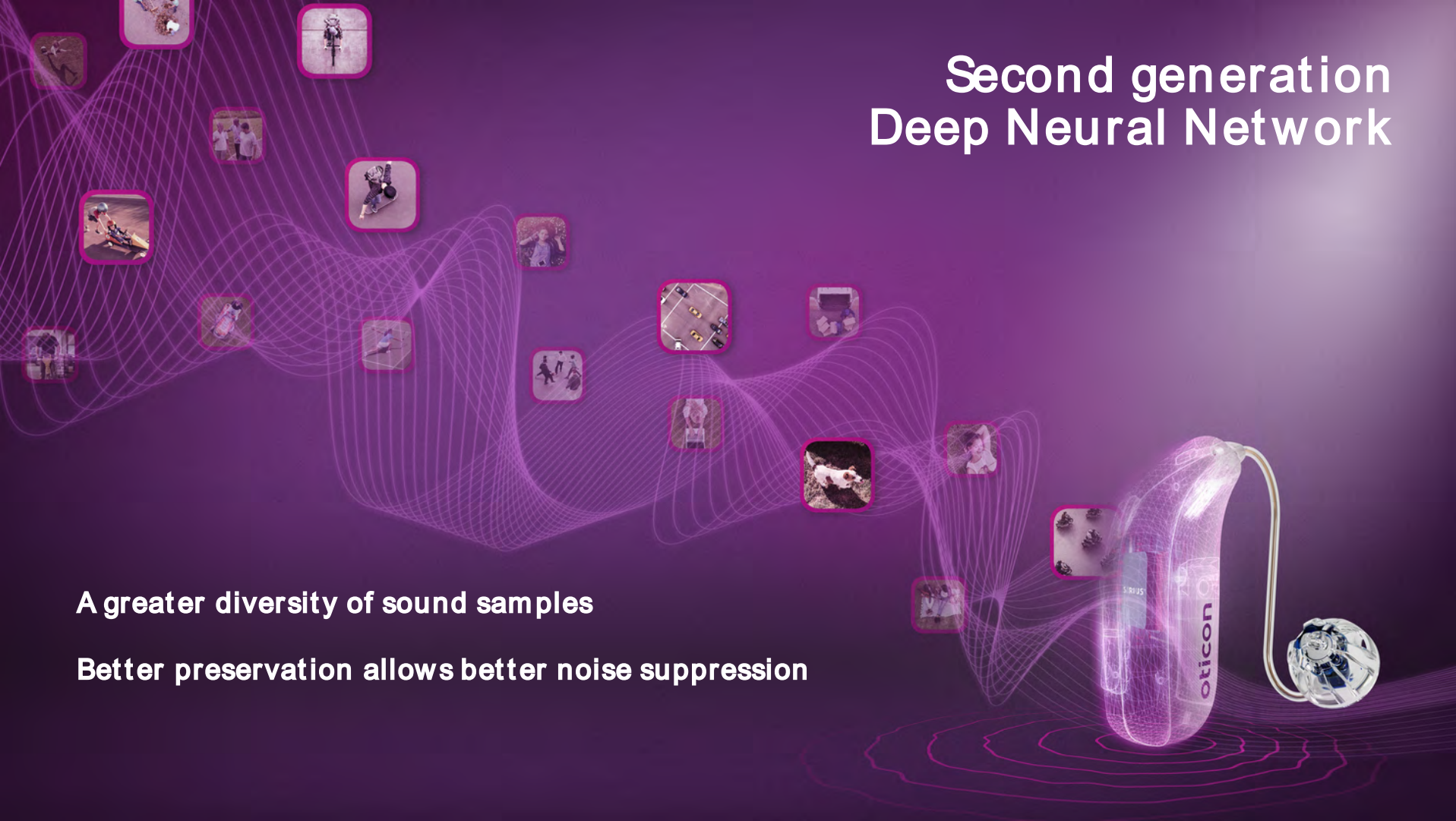
Body
movement

Head
movement

Acoustic
environment

Providing the full sound environment in higher clarity and better balance than ever





Second generation Deep Neural Network

A greater diversity of sound samples

Better preservation allows better noise suppression

Better preservation allows better noise suppression

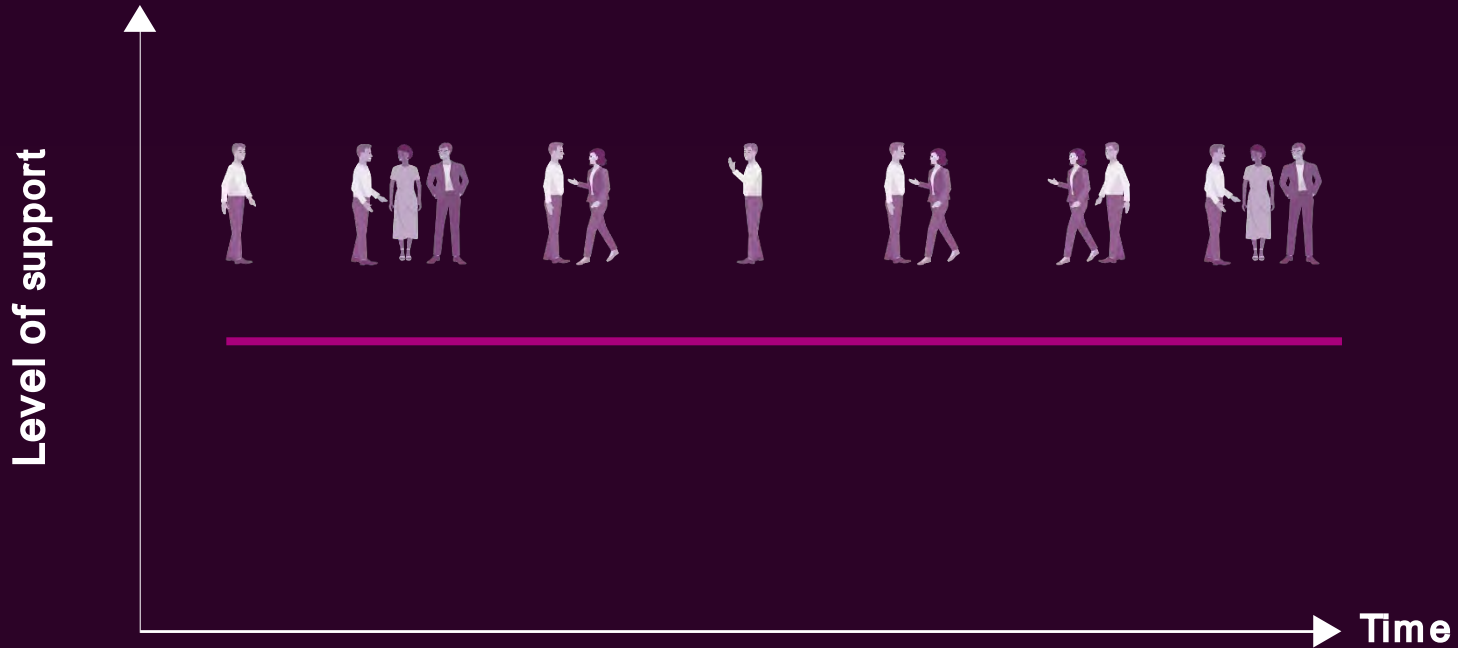


**Traditional
technology**

**Acoustic
environment**

A social event

with traditional technology



A social event with Oticon Intent

Intimate
conversations



Navigating
the room



Providing personalized support



Capturing listening needs with 4D Sensor technology

Listening need

User behavior

Support needed



**High conversation
engagement**

**No/very little
head movements**

**High clarity improvement
in complex environments**



Monitoring

**Head
movements**

**Speech clarity and awareness
of surroundings**

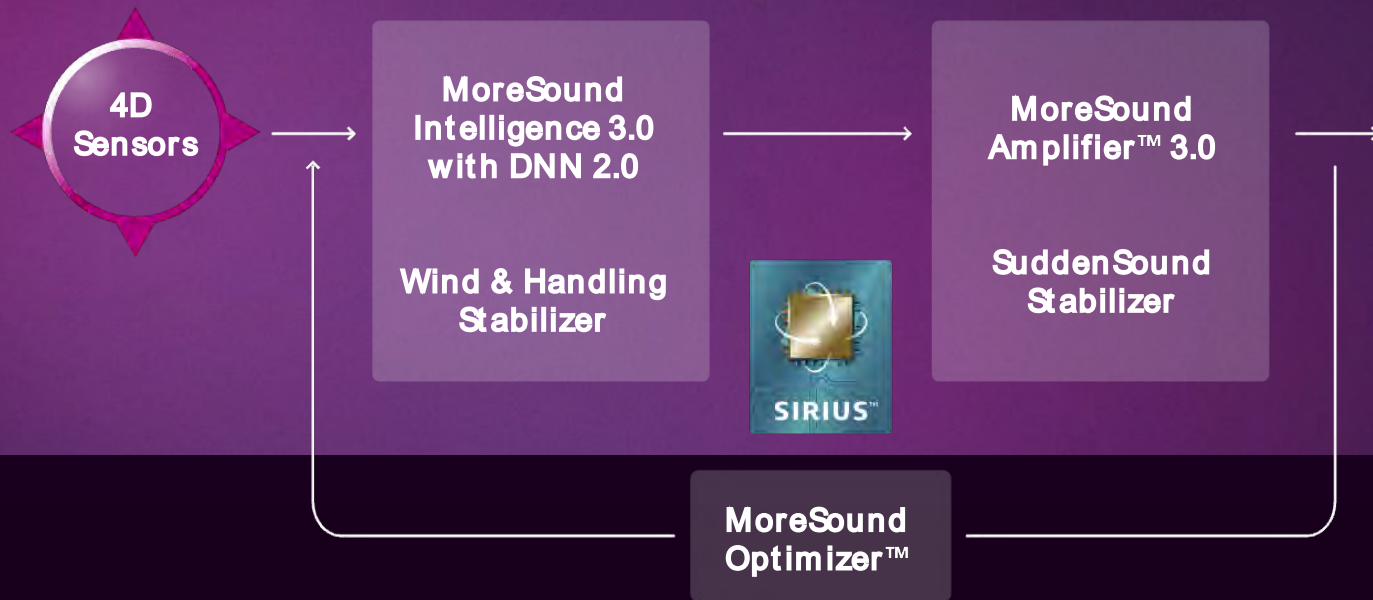


**High
awareness**

Walking / running

**Heightened awareness
of surroundings**

Taking our BrainHearing technologies to the next level



Introducing Sirius™

A brand-new platform

Powering our
User-intent sensors

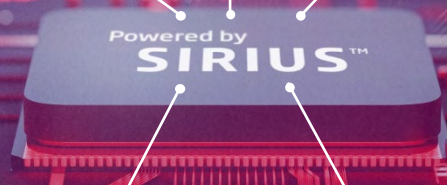
4D Sensor technology

Deep Neural Network 2.0
processing

Expanded frequency bandwidth

Future-proof Bluetooth® LE Audio

New intelligent miniFit Detect
speaker unit



Supporting Digital Engagement



Engaging in the digital world like never before

Next-generation Bluetooth® LE Audio leads the way in connectivity



Hands-free communication

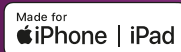
Improved sound quality

Low energy consumption



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Made for iPhone®



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Call tap control

Double tap to answer or end a phone call

Turned **ON** by default

Enable or **disable** in Oticon Companion or Genie 2

Only available for **Oticon Intent**



Supporting all modern connectivity standards



ConnectClip



TV Adapter



Remote Control



EduMic



Power Bass optimization

Better streaming experience

Increased **gain** in low frequencies during **streaming**

Improved **streaming** experience, especially for **open fittings**

The more **open** the fitting, the **more bass** is applied



Power Bass optimization

Only available in **Oticon Intent** hearing aids

Available for all Oticon Intent **performance levels**

User gets new Power Bass settings on transfer



Oticon Companion 1.3.0

New features & functions



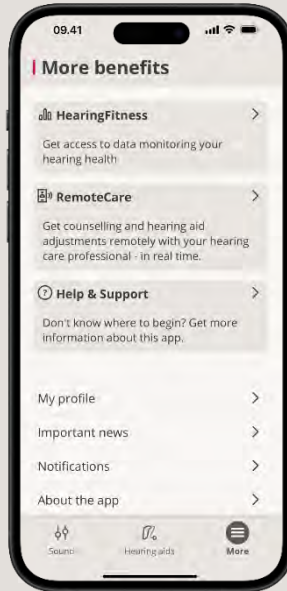
What's new in app version 1.3.0



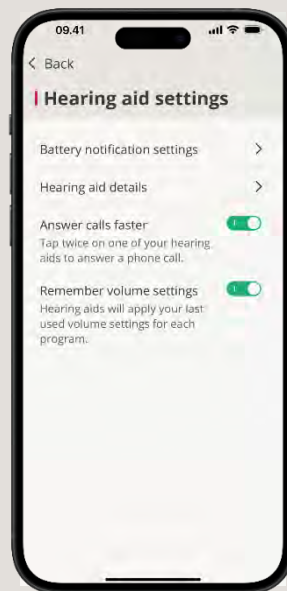
Charging status



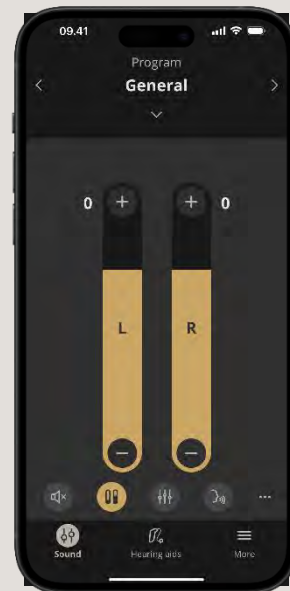
**HearingFitness™
notifications**



**Notifications
section**



**Answer calls
faster**

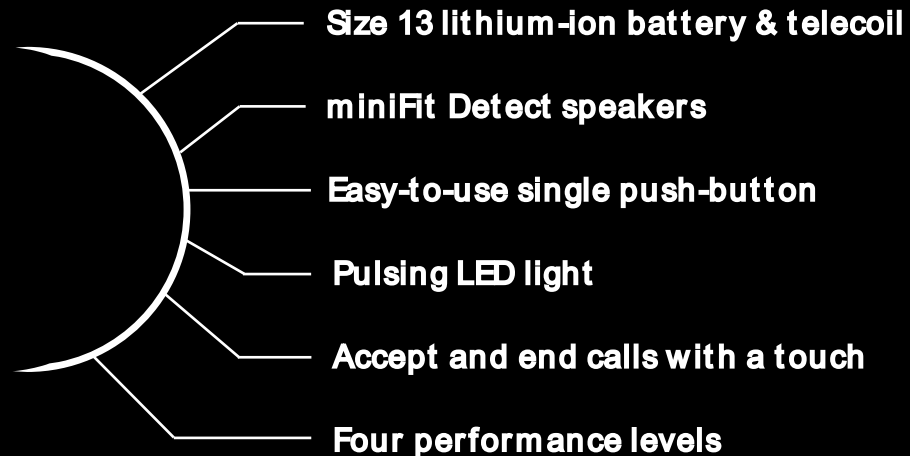


Dark mode

Maximizing clinical efficiency



Discreet and packed with rechargeable power



C044
Silver



C091
Silver
Grey



C092
Steel
Grey



C063
Diamond
Black



C093
Chestnut
Brown



C094
Terracotta



C090
Chroma
Beige



C116
Honey
Beige



C115
Sky
Blue



Oticon Intent

Four performance levels



miniFit Detect speaker

Designed for optimal fit, comfort and retention

8-pin connector

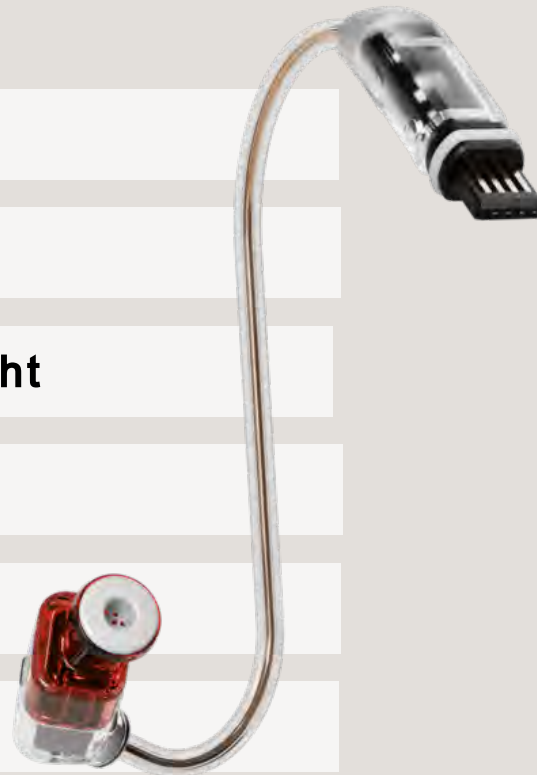
Fitting levels 60, 85, 100 and 105

Detects receiver **level, serial number, length** and **left/right**

World's first self-calibrating receiver

New retention wire design

Error-mode for safety



What is the value of the new speaker calibration?

The role of real ear measures



Self-calibrates each day to
prescribed gain

New speaker self-calibrates to
match prescribed gain



miniFit Detect receiver options



* 60 & 85 available in lengths 0-5

** 100 available in lengths 1-5

*** 60, 85, 100 & 105 with MicroShell Detect lengths 1-5

Oticon Intent

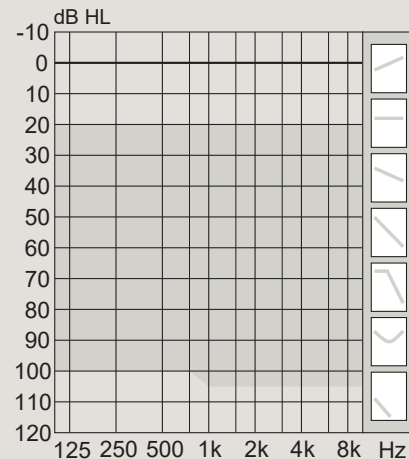
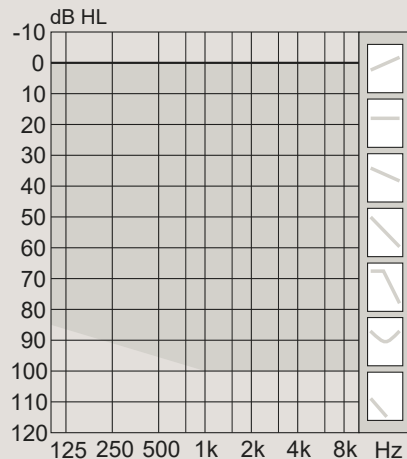
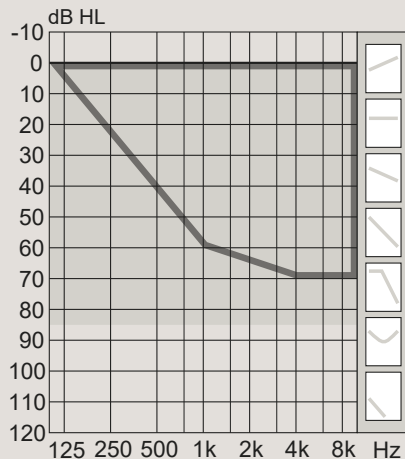
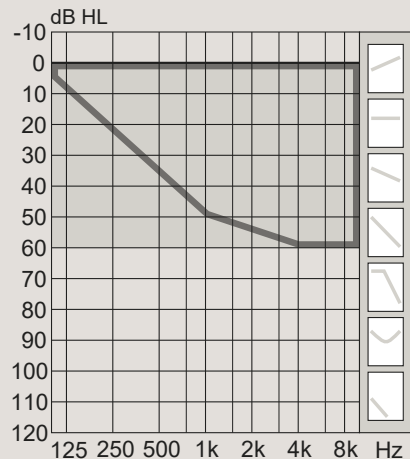
miniRITE fitting ranges

60

85

100

105



Mold, Bass & Power dome

OpenBass dome

MicroShell Detect, Bass & Power dome

MicroShell Detect

miniFit earpieces

Compatible with 60, 85 & 100 speakers



Domes
(sizes 5-12 mm)



Grip Tip



**OtoTherm™ LiteTip
& MicroMolds™**



**LiteTip &
MicroMolds**



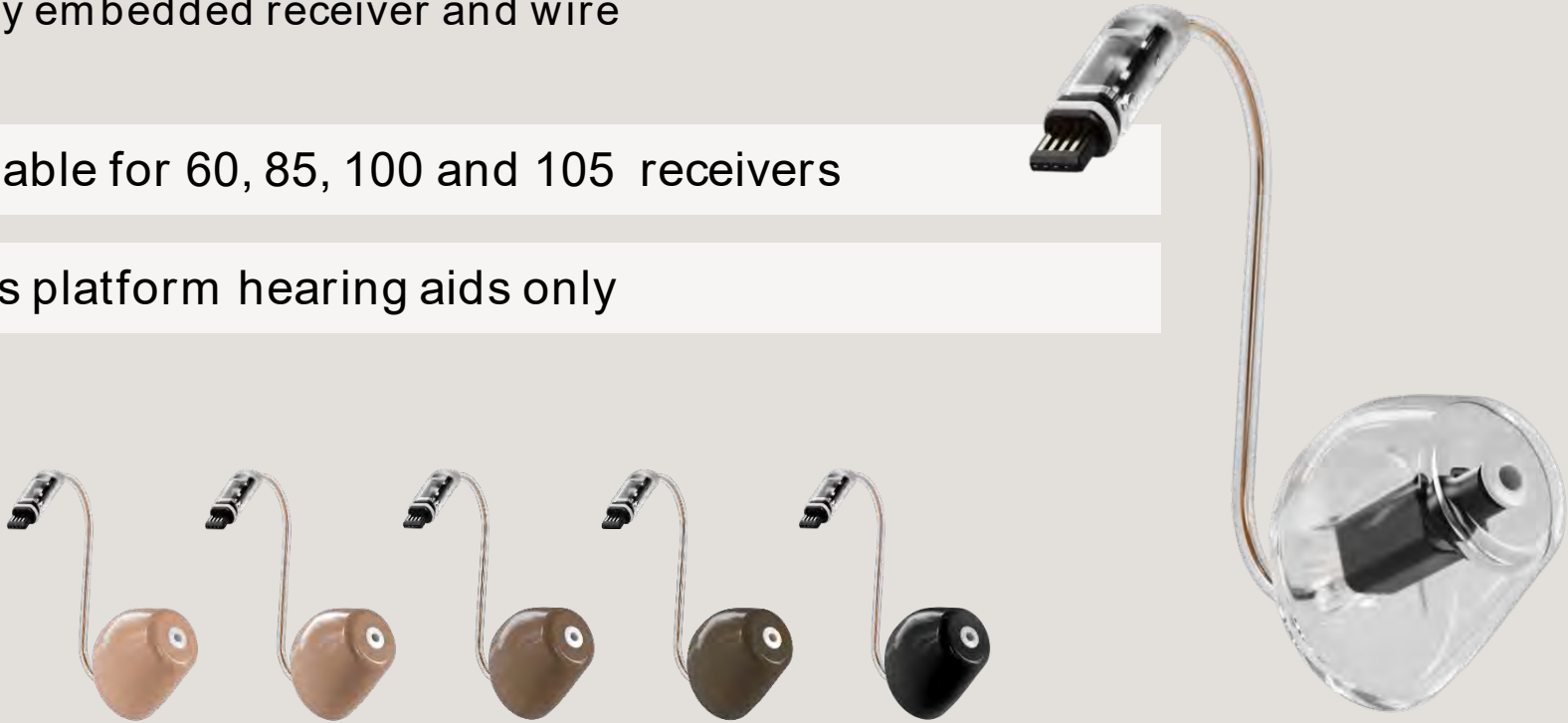
* Available in size 5 mm for receiver level 60 only

MicroShell Detect

Fully embedded receiver and wire

Available for 60, 85, 100 and 105 receivers

Sirius platform hearing aids only



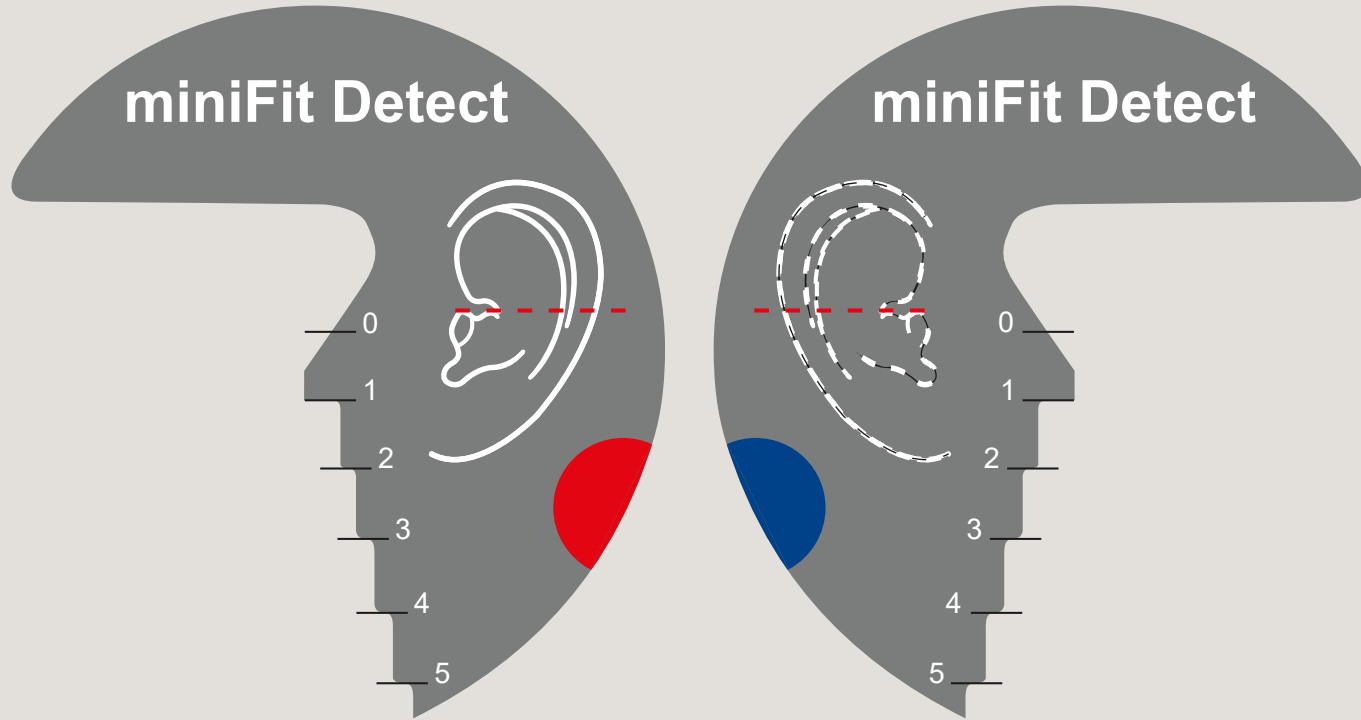
Also available in a Transparent Red and Blue shell

MicroShell Detect

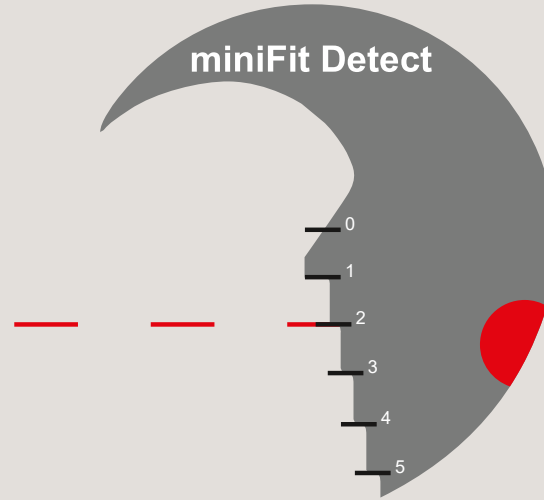
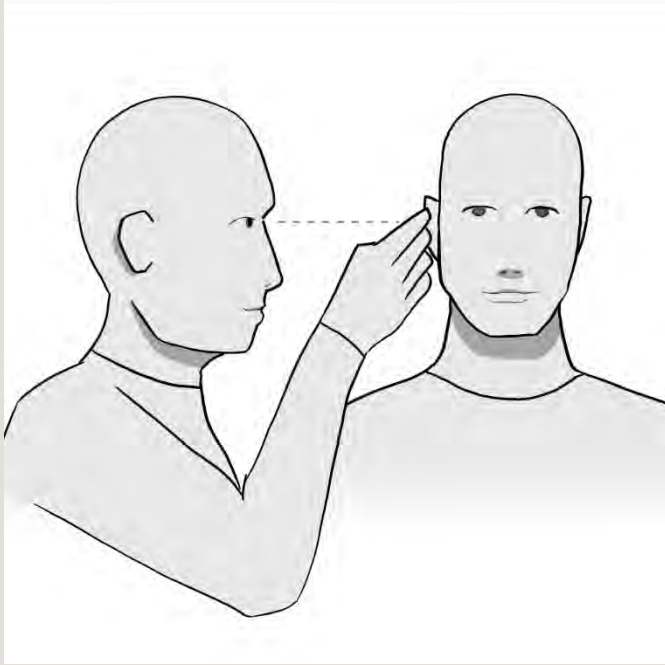


NEW measuring tool

Optimizing the fit of miniFit Detect



Measuring the correct length



Contact charging for efficiency and reliability

Oticon Intent comes with a 33% reduction in charging time*

Charge time (mins)	Use time (hours)**
15	4
30	8
60	16
120 (fully charged)	20



New, **user-friendly** charger design

Reliable and **stable** charging

Designed for **clinical efficiency**

* Compared to Oticon Real, full charge

** Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age, and use of wireless accessories

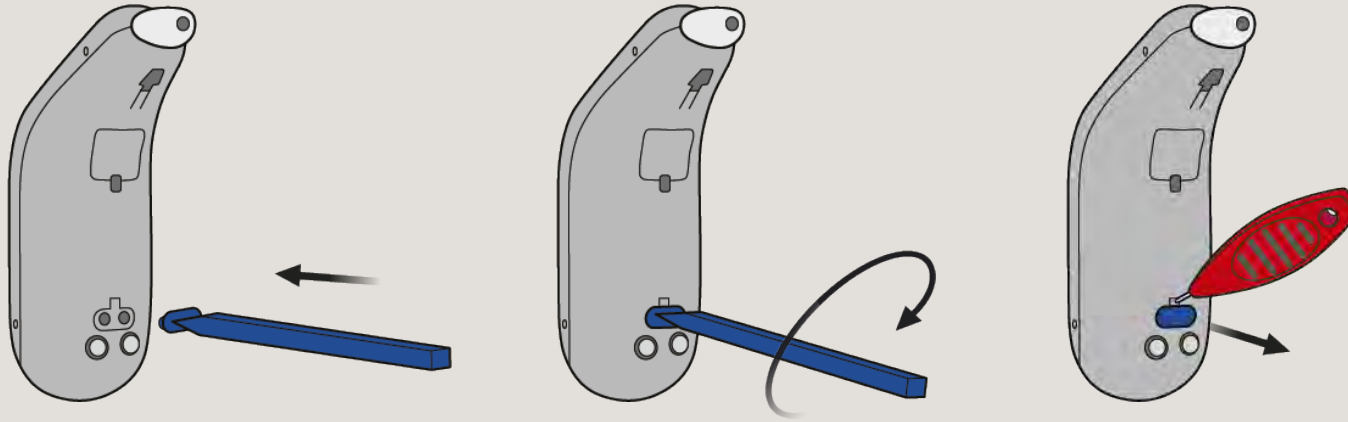
Fitting Oticon Intent

Programming devices



Noahlink Wireless/Noahlink Wireless 2
are the only programming devices for
programming and firmware updates

Identifying left and right hearing aids



miniRITE
Left/right indicator
is placed on the shell

First steps

Attach speaker units to hearing instruments

"Wake up" hearing aids
to deactivate battery protection mode



Wireless programming
with Noahlink Wireless



Support for clinical efficiencies in Genie 2 | 2024.1

Oticon Intent & speaker unit support

Evidence-based help-in-noise prescription with ACT™

MoreSound Intelligence 3.0



miniFit Detect speakers

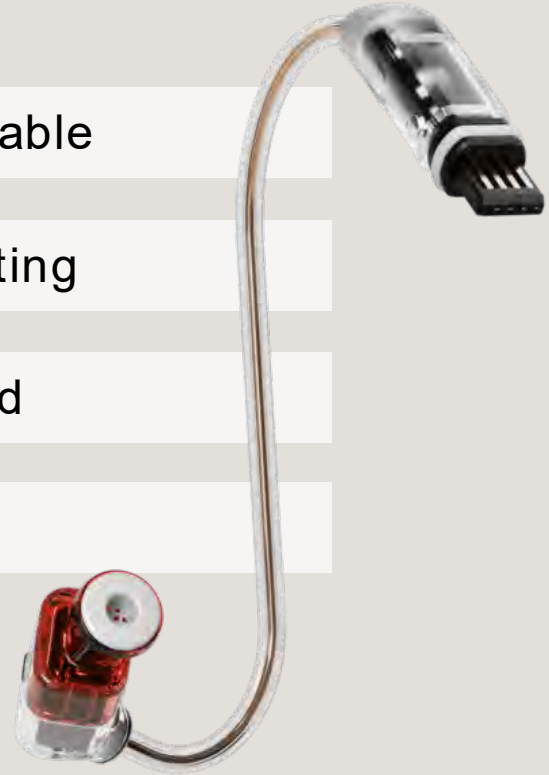
More confidence with "smart" speaker units

Level, length, serial number and **left/right** detectable

Must be connected to hearing aids to start the fitting

Error-mode ensures correct speaker unit is attached

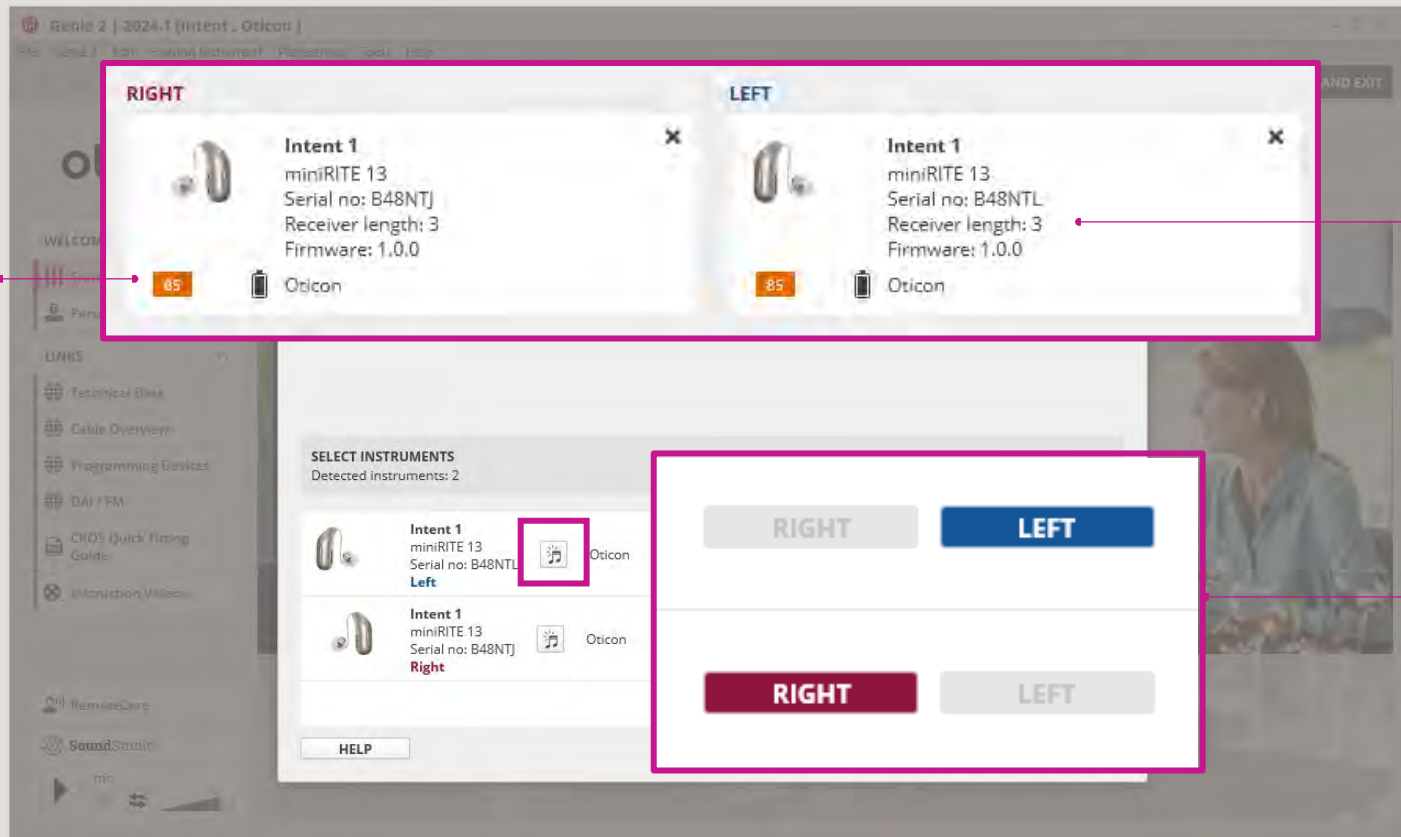
World's first self-calibrating receiver



miniFit Detect

Initial detection

Receiver
fitting
level



Receiver
length

Side
assigned
based on
mounted
receiver

Audible Contrast Threshold (ACT™)

A new standard for
speech-in-noise prescription



A new standard of care

Better hearing in noise

Quick and easy

Supports natural BrainHearing

Compatible hearing aids

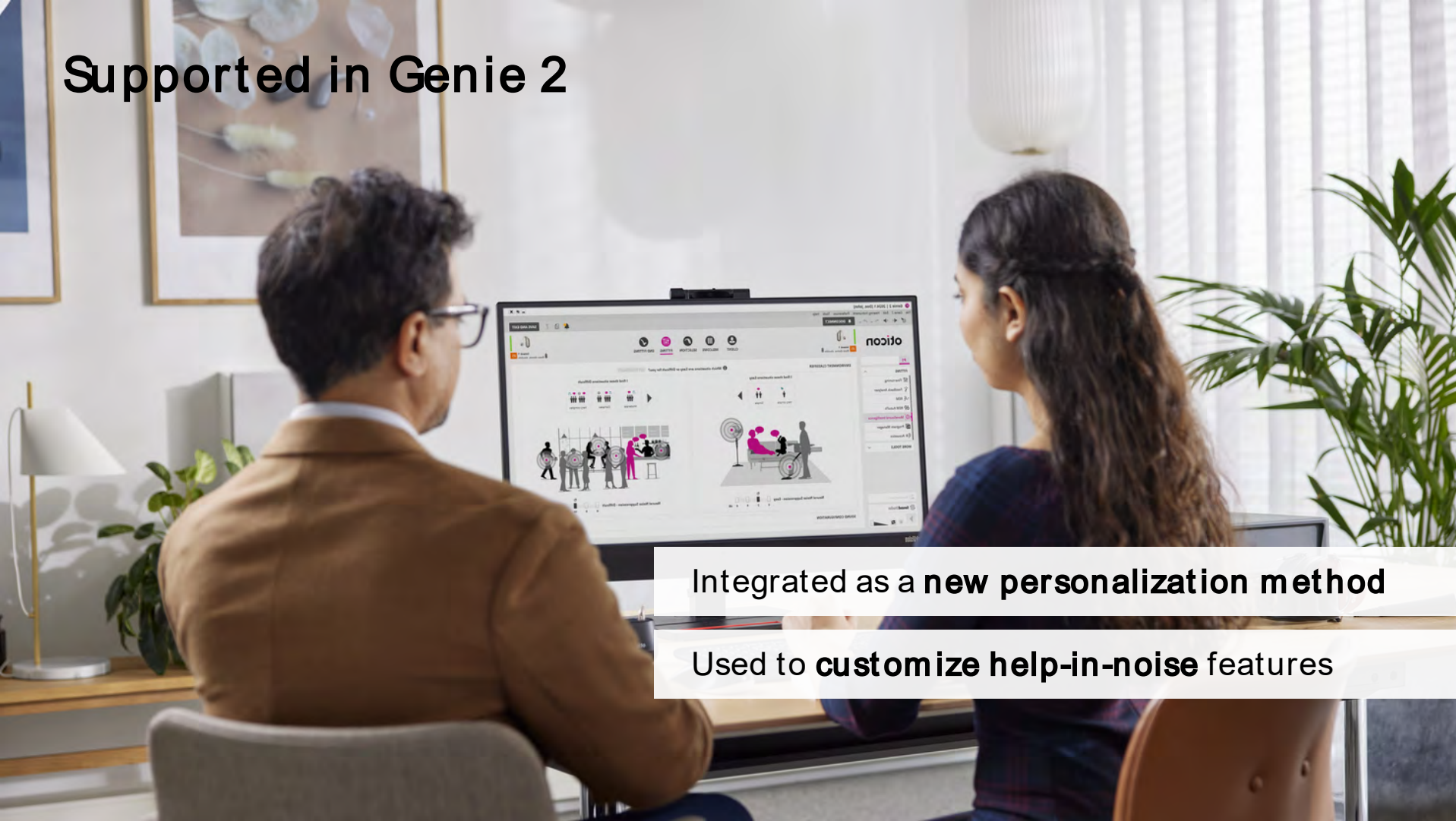


Oticon Intent™



Oticon Real™

Supported in Genie 2



Integrated as a **new personalization method**

Used to **customize help-in-noise** features

MoreSound Intelligence 3.0

Simplified redesign

The screenshot displays the Oticon Genie 2 software interface for a hearing aid fitting session. The top menu bar includes 'File', 'Genie 2', 'Edit', 'Hearing Instrument', 'Preferences', 'Tools', and 'Help'. A toolbar on the right contains icons for volume, a 'DISCONNECT' button, a bell, a document, a question mark, and a 'SAVE AND EXIT' button. The main header features the Oticon logo, a status bar for 'Intent 1' (Bass dome, double) with a battery level of 85%, and a progress bar with four stages: WELCOME, SELECTION, FITTING (highlighted), and END FITTING.

The left sidebar is divided into two sections: 'FITTING' and 'MORE TOOLS'. The 'FITTING' section includes 'Fine-tuning', 'Feedback Analyser', 'REM', 'REM AutoFit', 'MoreSound Intelligence' (highlighted), 'Program Manager', and 'Acoustics'. The 'MORE TOOLS' section includes 'Fitting Assistant', 'Automatic Adaptation Manager', 'SoundStudio', and a 'Reference sound' button.

The main workspace is titled 'ENVIRONMENT CLASSIFIER' and asks 'Which situations are Easy or Difficult for you?'. It is divided into two panels. The left panel, 'I find these situations Easy', shows a 'Very simple' icon (a person with a green flower) and a 'Simple' icon (two people with pink flowers). Below these is an illustration of a person sitting on a bench with a large fan. The right panel, 'I find these situations Difficult', shows a 'Moderate' icon (three people with pink flowers), a 'Complex' icon (four people with pink flowers), and a 'Very complex' icon (five people with pink flowers). Below these is an illustration of a group of people in a room with large speakers. Both panels have a 'Neural Noise Suppression' slider at the bottom, ranging from 0 to 12 dB. The 'Easy' panel's slider is set to 2 dB, and the 'Difficult' panel's slider is set to 10 dB.

The bottom of the interface is labeled 'SOUND CONFIGURATION'.

Classify the environments

Classifying the environments

The screenshot displays the Oticon Genie 2 software interface. The top menu bar includes 'File', 'Genie 2', 'Edit', 'Hearing Instrument', 'Preferences', 'Tools', and 'Help'. A 'DISCONNECT' button is visible in the top toolbar. The main header features the 'oticon' logo, a status bar for 'Intent 1' (Bass dome, double) with a battery level of 85%, and navigation buttons: 'WELCOME', 'SELECTION', 'FITTING' (highlighted), and 'END FITTING'. A 'SAVE AND EXIT' button is in the top right.

The central 'ENVIRONMENT CLASSIFIER' section is titled 'Which situations are Easy or Difficult for you?' with a 'SET TO DEFAULT' link. It is divided into two columns:

- I find these situations Easy:** Contains icons for 'Very simple' (one person) and 'Simple' (two people), followed by a right-pointing arrow.
- I find these situations Difficult:** Contains icons for 'Moderate' (three people), 'Complex' (four people), and 'Very complex' (five people), preceded by a left-pointing arrow.

Below these columns are two large illustrations with sliders for 'Neural Noise Suppression':

- Neural Noise Suppression - Easy:** Shows a person in a wheelchair being assisted by another person. The slider is set to 2 dB.
- Neural Noise Suppression - Difficult:** Shows a group of people in a meeting room. The slider is set to 10 dB.

The bottom of the interface shows a 'SOUND CONFIGURATION' section with a play button and a 'Reference sound' label.

Personalize Neural Noise Suppression

Genie 2 | 2024.1 [Intent 1, Oticon]

File Genie 2 Edit Hearing Instrument Preferences Tools Help

DISCONNECT

oticon

Intent 1
Bass dome, double

WELCOME SELECTION **FITTING** END FITTING

Intent 1
Bass dome, double

P1

FITTING

- Fine-tuning
- Feedback Analyser
- REM
- REM AutoFit
- MoreSound Intelligence**
- Program Manager
- Acoustics

ENVIRONMENT CLASSIFIER Which situations are Easy or Difficult for you? SET TO DEFAULT

I find these situations Easy

Very simple Simple

I find these situations Difficult

Moderate Complex Very complex

Neural Noise Suppression - Easy 0 2 4 6 dB

Neural Noise Suppression - Difficult 6 8 10 12 dB

SOUND CONFIGURATION

Neural Noise Suppression

Access Sound Configuration options

Genie 2 | 2024.1 [Intent 1, Oticon]

File Genie 2 Edit Hearing Instrument Preferences Tools Help

DISCONNECT

oticon

Intent 1
Bass dome, double

WELCOME SELECTION **FITTING** END FITTING

Intent 1
Bass dome, double

P1

FITTING

- Fine-tuning
- Feedback Analyser
- REM
- REM AutoFit
- MoreSound Intelligence**
- Program Manager
- Acoustics

MORE TOOLS

- Fitting Assistant
- Automatic Adaptation Manager

ENVIRONMENT CLASSIFIER

Which situations are Easy or Difficult for you? SET TO DEFAULT

I find these situations Easy

Very simple Simple

I find these situations Difficult

Moderate Complex Very complex

Neural Noise Suppression - Easy

0 2 4 6 dB

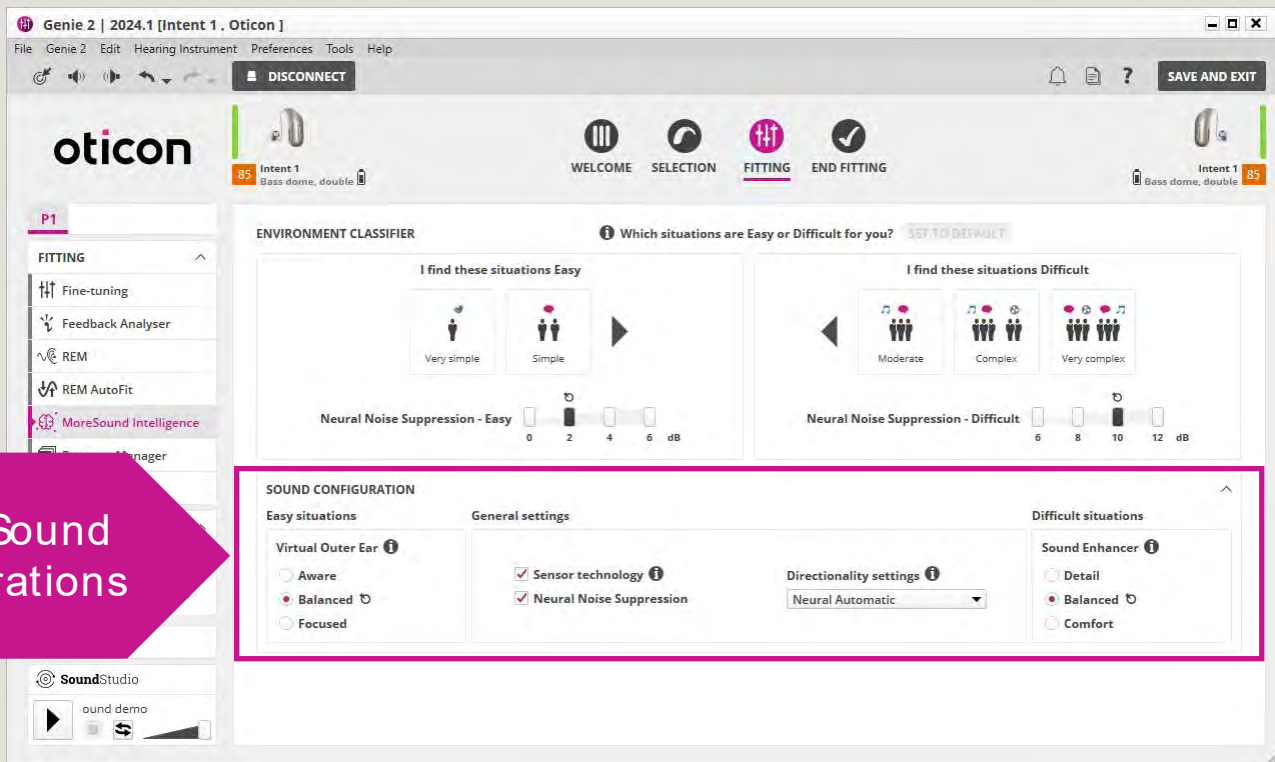
Neural Noise Suppression - Difficult

6 8 10 12 dB

Access Sound Configuration

oticon

Fine-tuning help-in-noise setting



Engage in life like never before



Sensor-driven BrainHearing™
technology



Future ready
connectivity



Smaller & easy to fit