Spring 2017 – Tempus and Moxi Fit R
Bill Christman, Au.D.

Spring 2017 – Tempus and Moxi Fit R
Sarah Carls, Au.D.

Spring 2017 – Tempus and Moxi Fit R

Kristina Petraitis, Au.D.

Learning Objectives

- After this course learners will be able to identify the benefits of the Tempus platform and how the advanced performance can provide significant results for patients who have difficulty hearing in the most challenging listening environments.

- After this course learners will be able to identify the patient benefits of the world's smallest rechargeable hearing instrument solution.

- After this course learners will be able to describe the features and benefits of the Moxi™ and Stride product families along with identifying suitable patient profiles for each style option.

- After this course learners will be able to explain how to navigate through the TrueFit version 3.4 programming software to complete an initial fitting and subsequent follow-up adjustments.

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Why do patients come to see you?

#1

Complaint of the majority of people with hearing loss is speech-in-noise

Conversations in noise and crowds are the listening situation they struggle with the most.

MarkeTrak 9

48% of people with hearing loss have trouble distinguishing speech from noise.

Harris Poll survey of 2,018 adults

Even perfectly loud speech can be hard to understand in a noisy room. This is because background noise doesn't just cover up conversation — it may scramble brain activity.

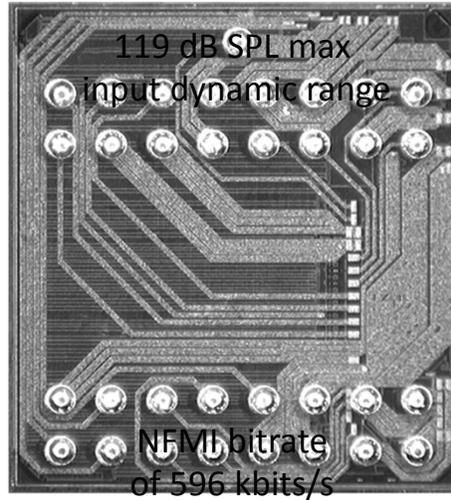*Research at University of Florida College of Medicine*

Listening in noise is arguably the major complaint of most people with hearing loss.

Andrea Pittman, PhD, audiologist, author, associate professor

Everywhere. Everyday. Everyone.

Sonova

64 frequency
band resolution

119 dB SPL max
input dynamic range

65 nm technology

NFMI bitrate
of 596 kbits/s

Tempus™

Tempus is
the best
in conversations

 Know the environment

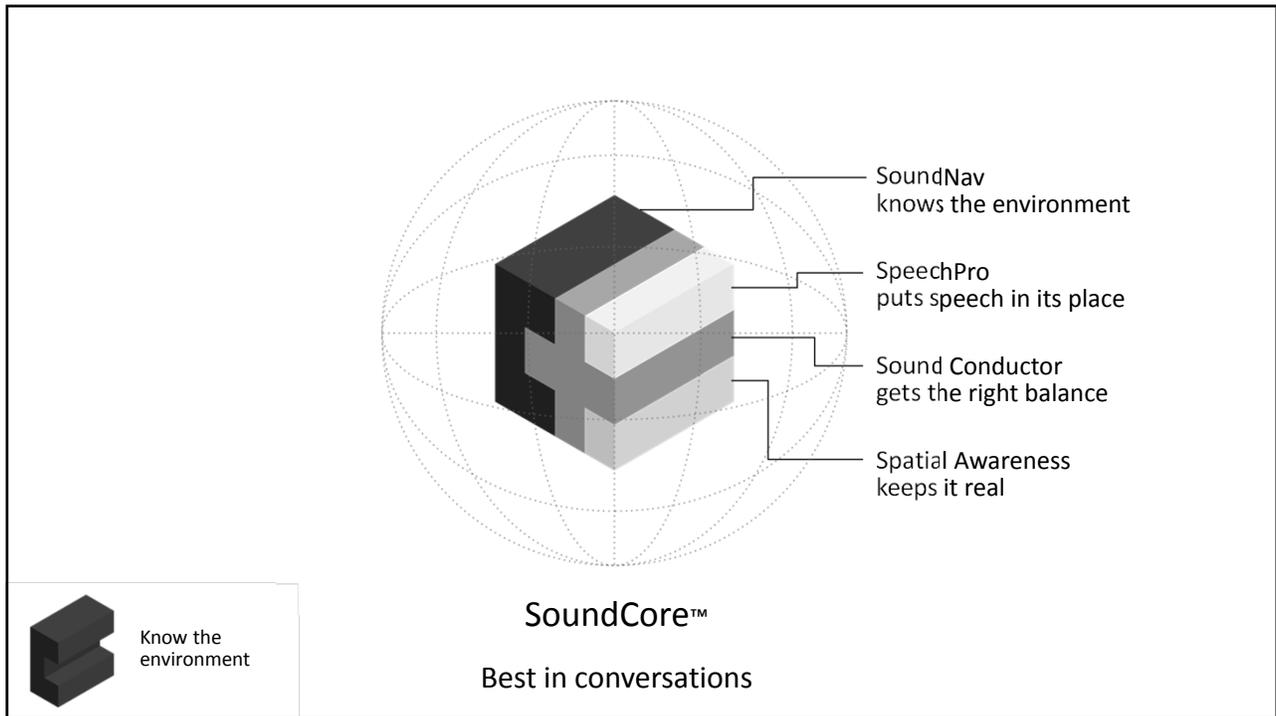 Get the right balance

 Keep it real

 Put speech in its place

SoundNav
knows the environment

SpeechPro
puts speech in its place

Sound Conductor
gets the right balance

Spatial Awareness
keeps it real

SoundCore™

Best in conversations

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Best in conversations

Know the
environment

SoundNav analyzes the environment 689 times per second

Know the environment

SoundCore		TPro	T800	T700	T600	T500
SoundNav Automatic program identifies and classifies sounds across environments, with a focus on conversations	Total environments	7	7	6	3	AutoMic
	Quiet	•	•	•	•	
	Conversation in quiet	•	•	•	•	
	Conversation in noise	•	•	•	•	
	Conversation in a small group	•	•	•		
	Conversation in a crowd	•	•	•		
	Noise	•	•	•		
	Music	•	•			
SpeechPro Provides optimal speech understanding and localization, even in the most challenging environments.	SpeechPro	•	SpeechZone2	SpeechZone		
	Speech Locator	•	•	•		
	Speech Focus	•				
	Dynamic Spatial Awareness	•				
Sound Conductor Dynamically balances the appropriate features to provide speech understanding, comfort and natural sound.	Speech enhancement	•	•	•	•	•
	Noise reduction	•	•	•	•	•
	Adaptive directionality	Multiband	Multiband	Multiband	Multiband	•
Spatial Awareness Locates where sound is coming from to provide a more natural, realistic listening experience.	Spatial Awareness	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•

SoundNav
knows the environment

SpeechPro
puts speech in its place

Sound Conductor
gets the right balance

Spatial Awareness
keeps it real

Get the
right balance

SoundCore™

Best in conversations

Getting the combination right

Once ailments are diagnosed
- the correct medicines
- in the correct dosage
- in the correct combination

Are essential for an optimal outcome

Get the
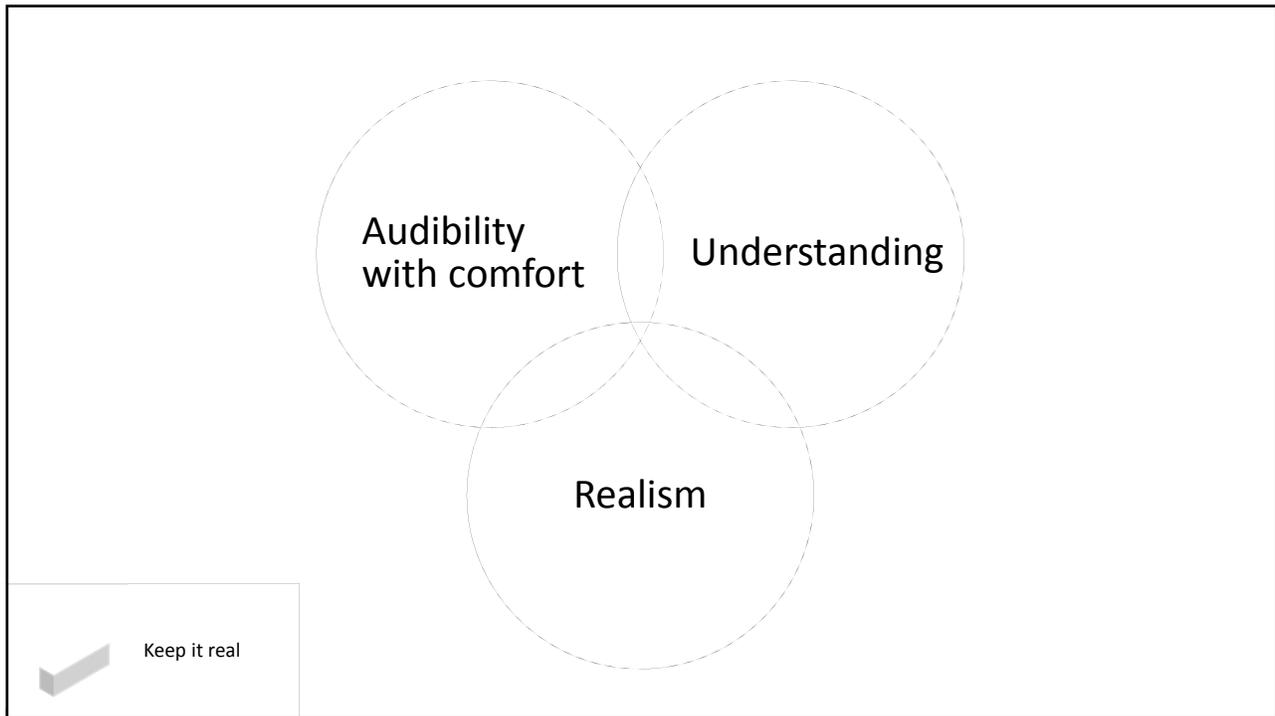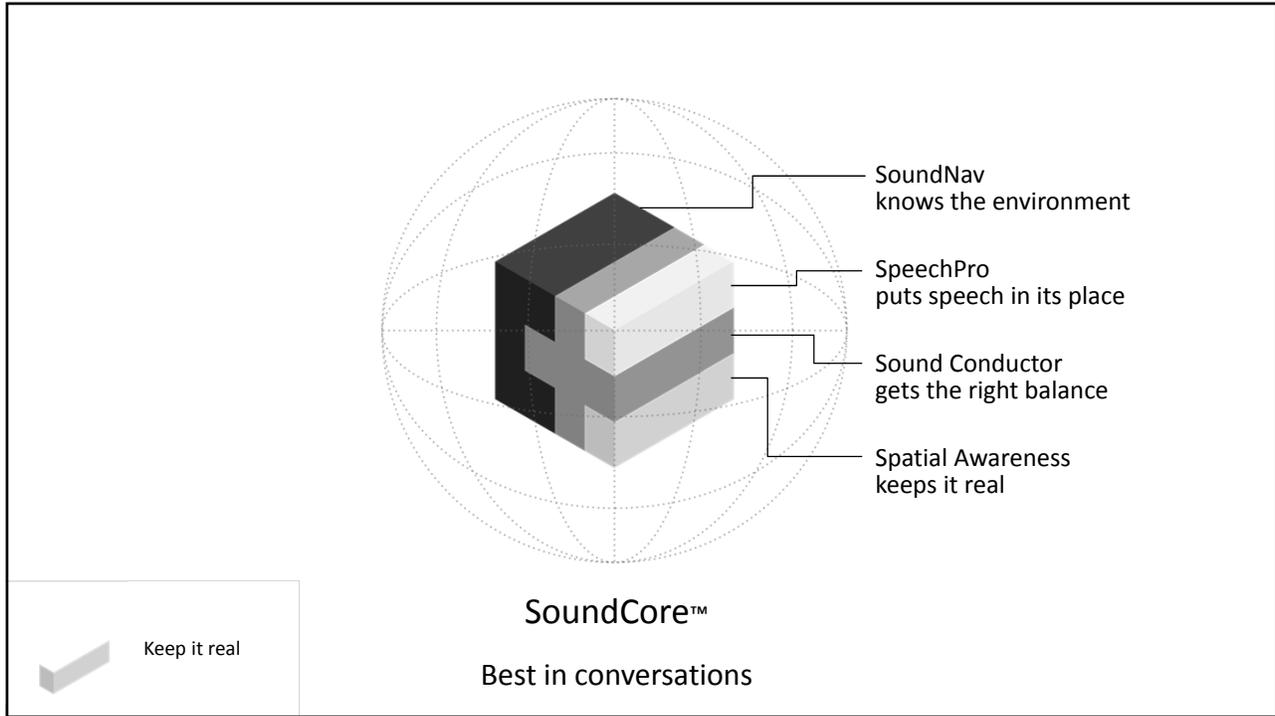right balance

Getting the combination right

Sound Conductor controls the balance of:
- Speech enhancement
- Noise reduction
- Directionality

Get the
right balance

SoundCore		TPro	T800	T700	T600	T500
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	Conversation in a crowd	•	•	•		
	Noise	•	•	•		
	Music	•	•			
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	Pinna Effect	•	•	•	•	•

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Spatial Awareness
keeps it real

SoundCore™

Best in conversations

Keep it real

Audibility
with comfort

Understanding

Realism

Keep it real

Why is realism important?

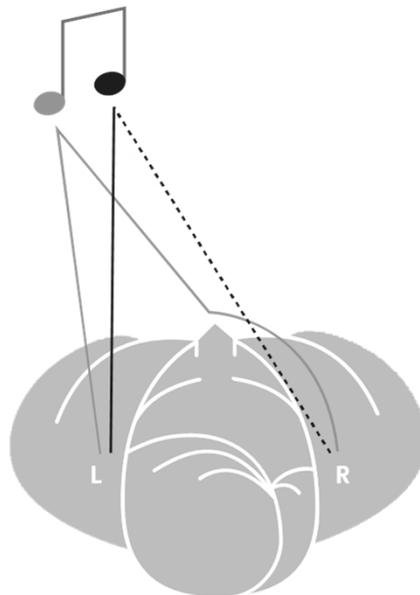"We need to consider localization as a major aspect of auditory functioning and the quality of auditory experience."
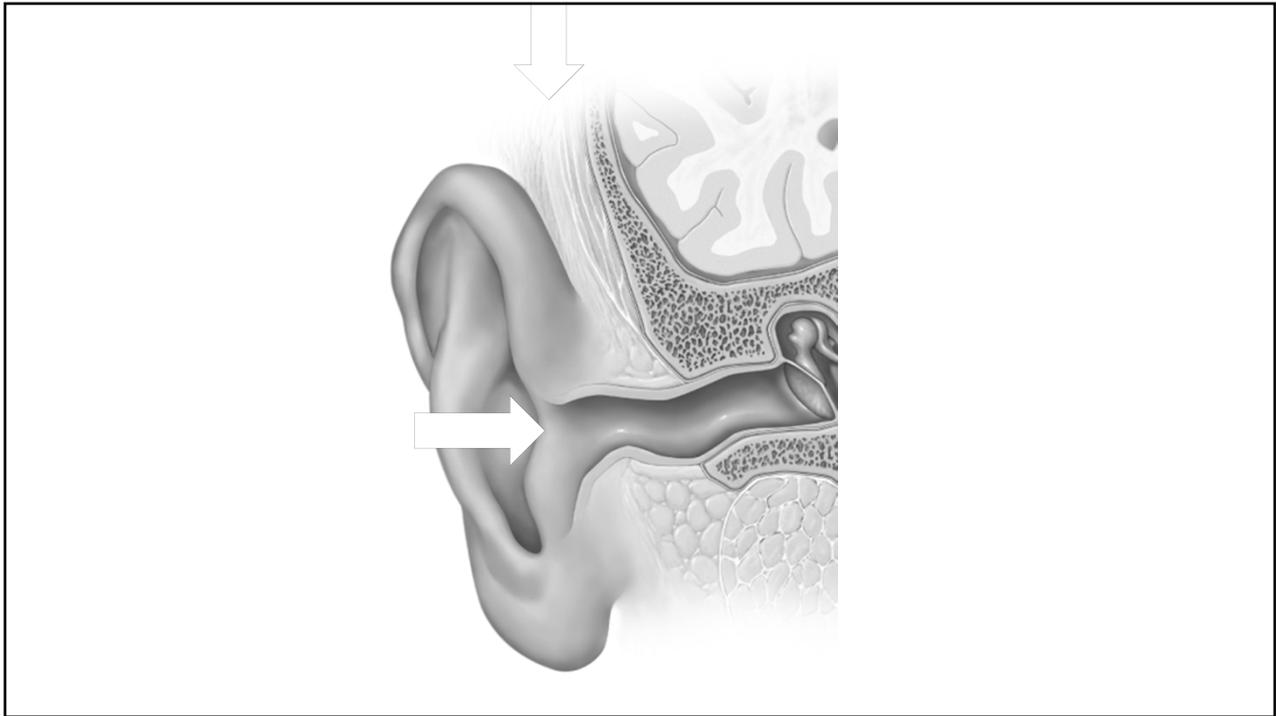
Byrne and Noble

"People may not report localization problems but they are present in older adults..." (Eddins, 2016)

Dr. Ann C. Eddins, WCA, 2016

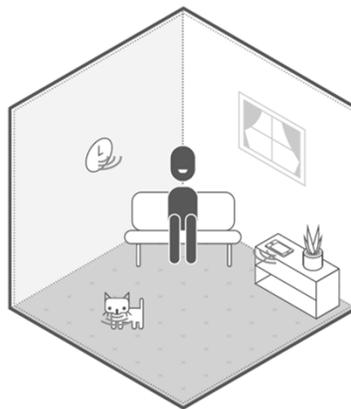I can't find my cell phone when it's ringing

Spatial Awareness

The magic is restoring the cues
the brain needs to localize sounds
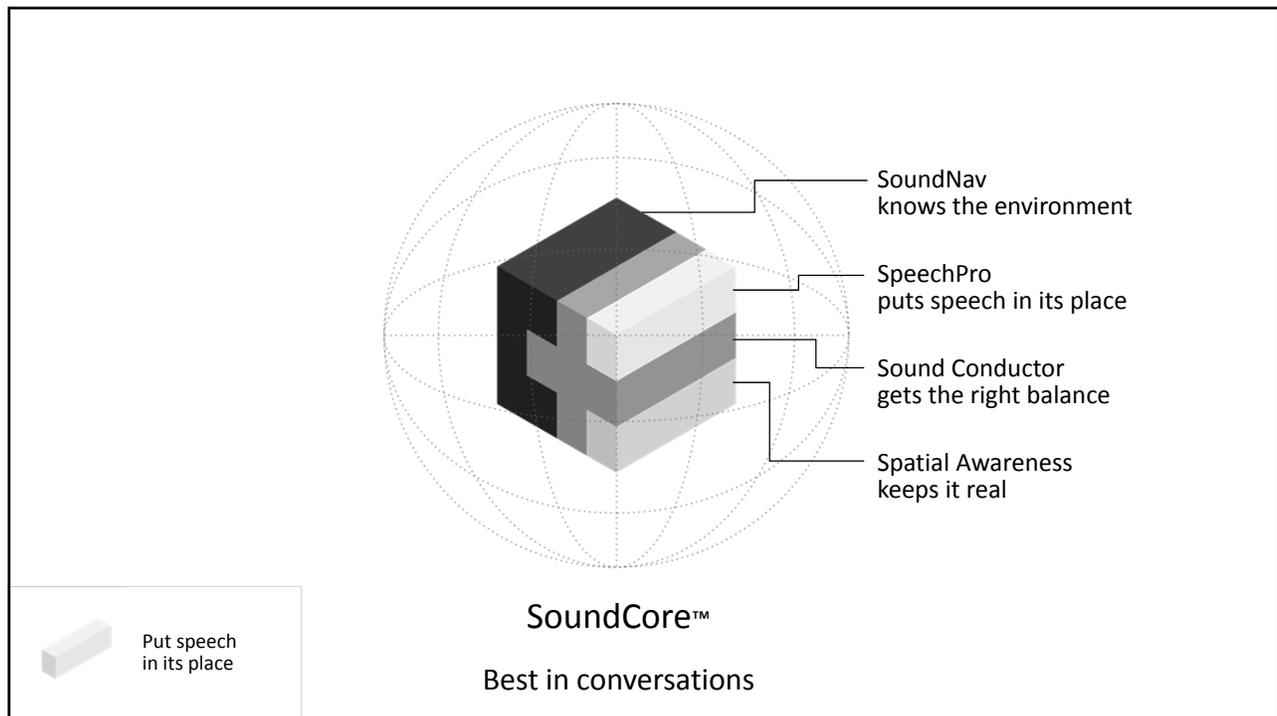
Without Spatial Awareness

Keep it real

With Spatial Awareness

Keep it real

SoundCore		TPro	T800	T700	T600	T500
SoundNav Automatic program identifies and classifies sounds across environments, with a focus on conversations	Total environments	7	7	6	3	AutoMic
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	Conversation in noise	•	•	•	•	
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	Noise reduction	•	•	•	•	•
	Adaptive directionality	Multiband	Multiband	Multiband	Multiband	•
Spatial Awareness Locates where sound is coming from to provide a more natural, realistic listening experience.	Spatial Awareness	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•

SoundNav
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Spatial Awareness
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Put speech
in its place

SoundCore™

Best in conversations

SpeechPro

Step 1 Know the location of speech

Step 2 Separate speech from noise

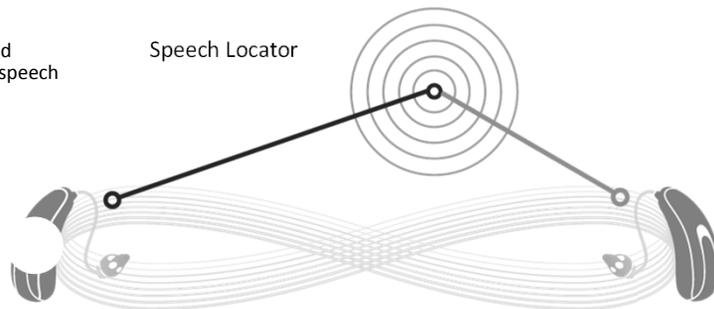Step 3 Keep it real

Put speech
in its place

SpeechPro
Step 1: know the location of speech

50% more accurate and
36% faster at locating speech

Speech Locator

Put speech
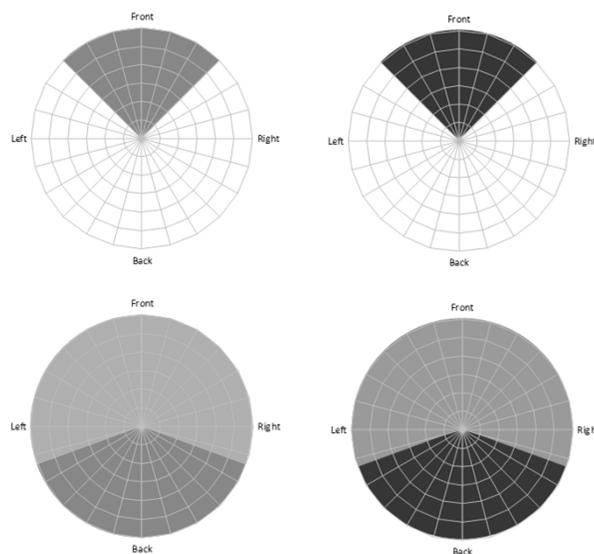in its place

SpeechPro
Step 2: separate speech from noise

Speech Focus is the intelligent steering of the beamforming system based on the analysis of Speech Locator
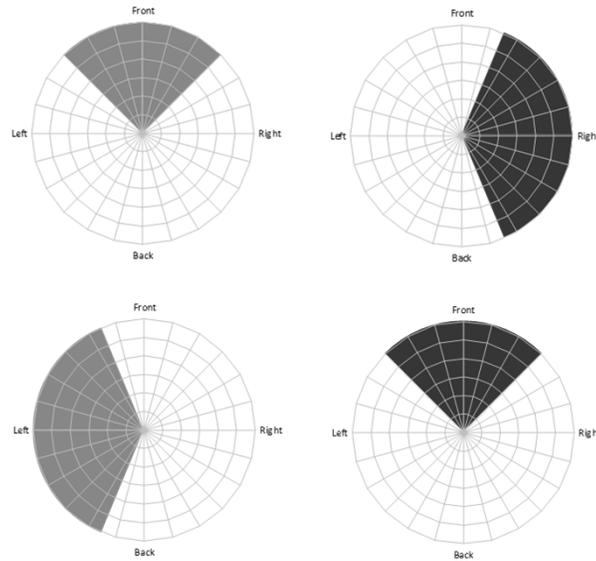
Put speech
in its place

unitron.

Speech Focus: front and back

Put speech
in its place

Speech Focus: right and left

Put speech
in its place

SpeechPro is more than a microphone strategy!

Put speech
in its place

Traditional approaches use directionality to improve speech intelligibility in noise.

The unintended consequence is that directionality disrupts spatial awareness.

Put speech in its place

Traditional approaches use directionality to improve speech intelligibility in noise.

The unintended consequence is that directionality disrupts spatial awareness.

Put speech in its place

SpeechPro
Step 3: keep it real

Dynamic Spatial Awareness restores the cues to localization based on the analysis of Speech Locator
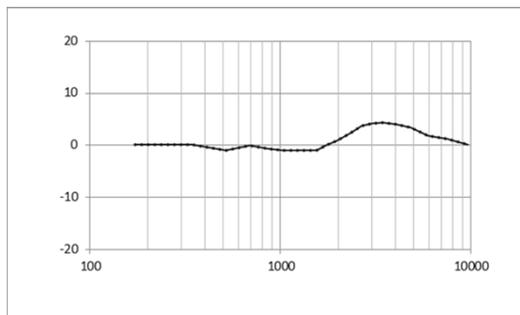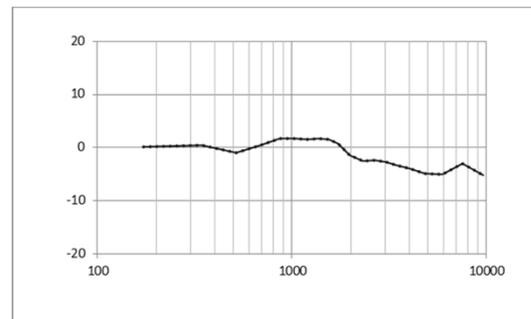
Put speech
in its place

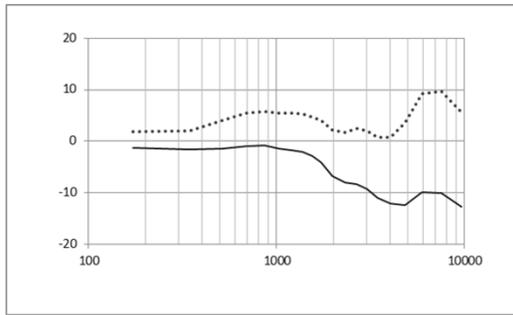unitron.

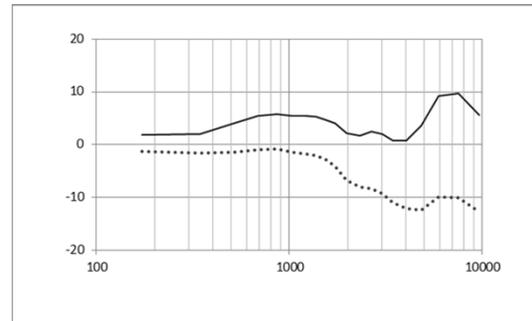# Dynamic Spatial Awareness: front and back

Front

Back

Put speech
in its place

Dynamic Spatial Awareness: right and left

Right

Left

Put speech
in its place

SoundCore		TPro	T800	T700	T600	T500
SoundNav Automatic program identifies and classifies sounds across environments, with a focus on conversations	Total environments	7	7	6	3	AutoMic
	Quiet	•	•	•	•	
	Conversation in quiet	•	•	•	•	
	Conversation in noise	•	•	•	•	
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	Speech Locator	•	•	•		
	Speech Focus	•				
	Dynamic Spatial Awareness	•				
Sound Conductor Dynamically balances the appropriate features to provide speech understanding, comfort and natural sound.	Speech enhancement	•	•	•	•	•
	Noise reduction	•	•	•	•	•
	Adaptive directionality	Multiband	Multiband	Multiband	Multiband	•
Spatial Awareness Locates where sound is coming from to provide a more natural, realistic listening experience.	Spatial Awareness	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•

SoundCore has 3712
possible unique responses
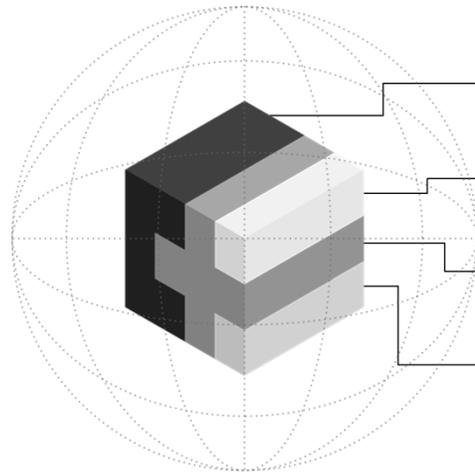
SoundNav
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SoundCore™

Best in conversations

"I enjoy them very much and have noticed I do better when in crowds and background noise"

Tempus Pro Stride P Dura

"I feel it takes less effort to hear conversations"

Tempus 800 Moxi Now

"I can hear my little girls talking to me in the back of the car when my head is turned. The hearing aids make me feel like I am not even wearing them. They fit effortlessly into my life".

Tempus Pro Moxi Fit

"best I've tried to date"

Tempus Pro Moxi Fit

SoundCore		TPro	T800	T700	T600	T500
SoundNav Automatic program identifies and classifies sounds across environments, with a focus on conversations	Music	•	•			
	Noise	•	•	•		
	Conversation in a crowd	•	•	•		
	Conversation in a small group	•	•	•		
	Conversation in quiet	•	•	•	•	
	Conversation in noise	•	•	•	•	
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Spatial Awareness Locates where sound is coming from to provide a more natural, realistic listening experience.	Spatial Awareness	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•

Smallest wireless RIC in the world

All Tempus devices except Moxi Kiss are IP68

reddot award 2015 winner

reddot award 2014 winner

iF product design award 2014 ■

reddot award 2016 winner

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What comes to mind when you think of rechargeable hearing instruments?
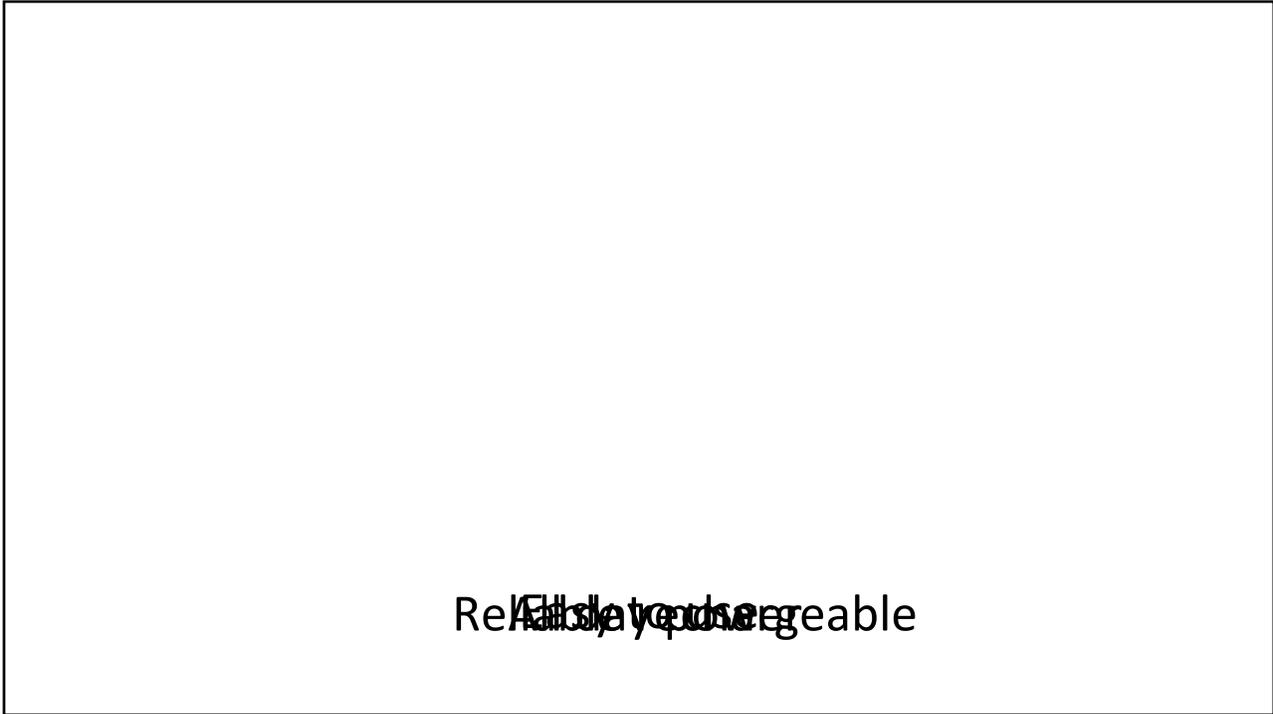
70%
of patients prefer rechargeable hearing aids

Hearingtracker.com

84%
patients want rechargeable hearing instruments
that can also use disposable batteries

Hearingtracker.com

Reliable touch Fully rechargeable Auxiliary power

25% smaller in volume than the next
smallest rechargeable competitor
hearing instrument in its class

The worlds smallest
rechargeable hearing Moxi Fit R
instrument

Moxi Fit R – where patient-centric design meets rechargeable performance

Hassle free charging

- Simple one step charging, just drop the Moxi Fit R in the charger and that's it!

- No buttons to push, no lids to close, no fumbling with proper placement

- Simple, intuitive charging base display shows when hearing instruments are charging, when they are fully charged and clearly show if there is an issue

- The hearing instruments automatically turn off when placed in the charger and on again when removed

The smart charger

- Magnets easily guide instruments into charging inlays

- Recognizes battery type (silver zinc versus zinc air)

- Turns off once instruments are fully charged

- Power via USB or wall adapter

Silver Zinc technology

5 – 7 hours

for a full charge; perfect for overnight

24+ hours

on a single charge with 90 minutes of wireless streaming

16+ hours

on a single charge with constant wireless streaming

400 cycles

Silver Zinc rechargeable cells operate at a rated capacity for at least 400 cycles, at least a year

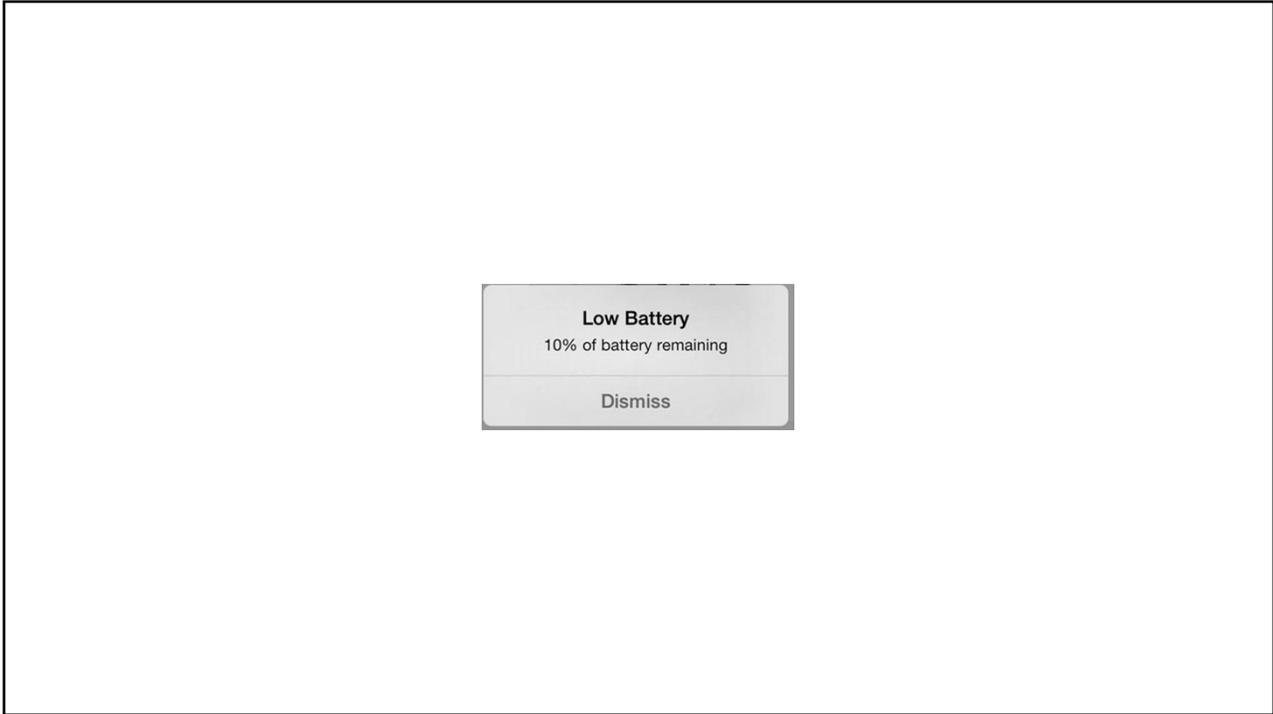Silver Zinc is the responsible solution

1.4 billion

zinc-air batteries are consumed per year, most end up in landfills

100% recyclable

Silver Zinc rechargeable cells use safe water based chemistry

1 silver zinc rechargeable cell can replace up to 100 traditional zinc-air batteries

Low Battery
10% of battery remaining

Dismiss

Never miss out on a conversation

unitron.

Silver Zinc (AgZN) Technology							
All -day power including streaming	Interchangeable with zinc-air disposable batteries	Can be fit on patient's existing aid(s)	Battery 312	Available in all technology levels	100% recyclable & non-toxic	Telecoil	IP68
✓	✓	✓	✓	✓	✓	✓	✓

RC1
SJ1

Moxi Fit R

- Simple one step charging - set it in, pull it out!
- All-day power on a single charge
- Flexibility to use disposable batteries
- Water-based chemistry is stable, non-flammable and not susceptible to corrosion in the presence of moisture
- Safe and 100% recyclable

BC1   find image related to campsite/camping/etc to replace iPhone
          image
          Bill Christman, 2/20/2017

SJ1   Keep campsite but add additional image of an airplane.
          Storhaug, Jan, 2/23/2017

Smallest wireless RIC in the world

Worlds smallest rechargeable

All Tempus devices except Moxi Kiss are IP68

reddot award 2015 winner

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Colors to suit every patient

| Beige (01) | Platinum (06) | Pewter Shine (S5) | Amber Suede (S2) | Pewter (P7) | Espresso (P4) |
| Feb 24th | Mar 1st | Mar 1st | Mar 8th | Mar 29th | Mar 29th |

38

Unique opportunity

Moxi Fit R
Rechargeable kit

Recharged
and ready for all day
listening

Our rechargeable kit contains everything needed to convert a pair of existing Moxi Fit into Moxi Fit R rechargeable hearing instruments

Easy to install

Compatible with all existing Moxi Fit hearing instruments

Rechargeable kit (retro-fit kit)

Contains:
- 1 charging base
- 2 rechargeable battery doors
- 2 Silver Zinc rechargeable cells
- 2 Moxi Fit battery door pins
- 1 pin removal tool
- Instruction card
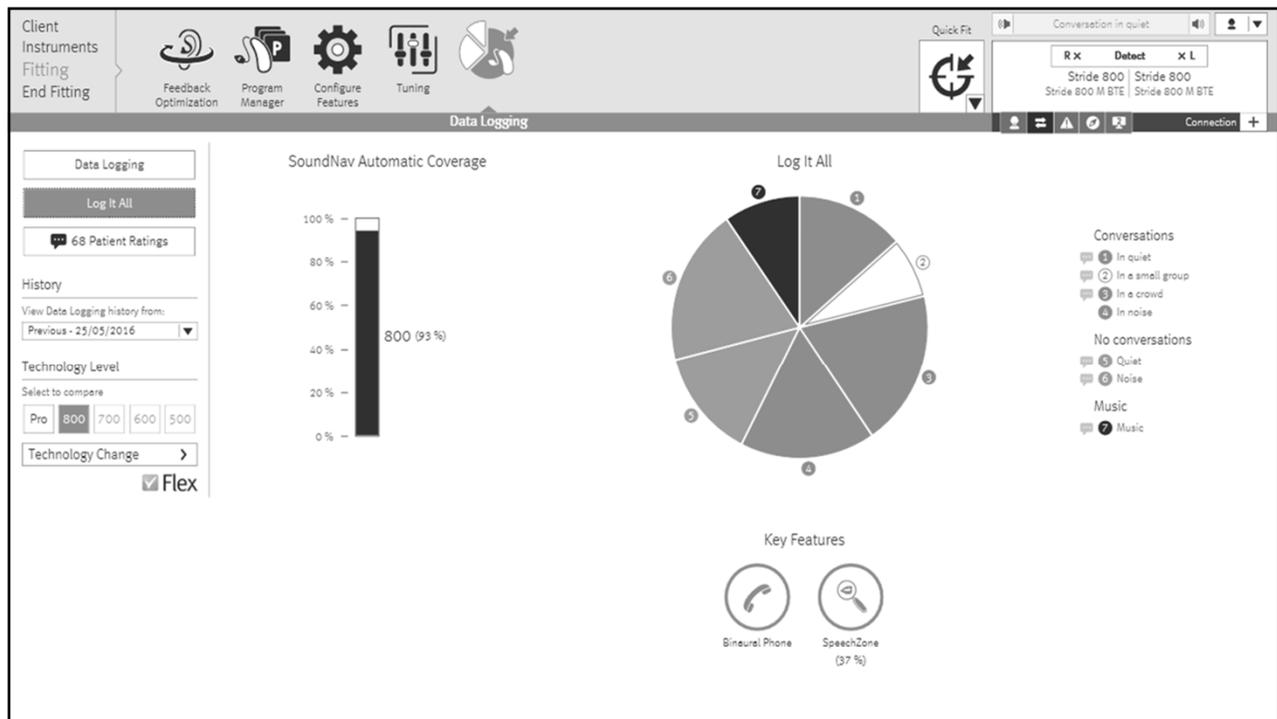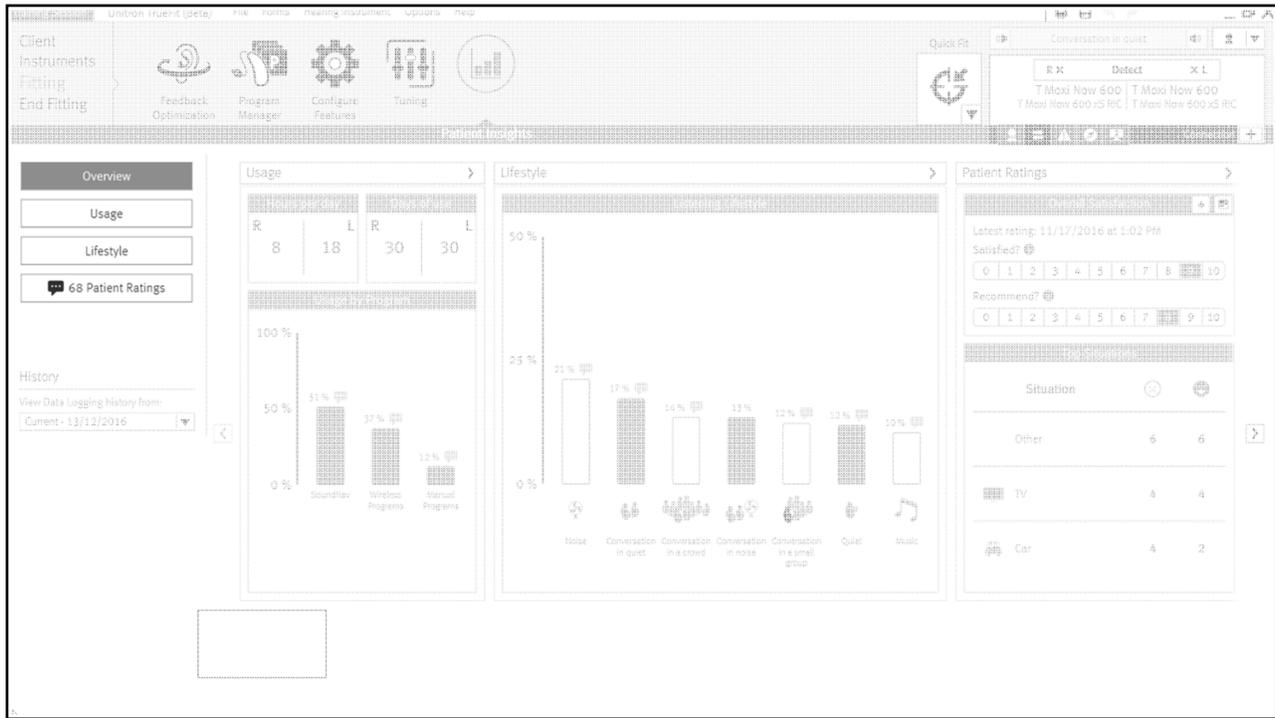
Easy to install; one battery door pin

unitron.

Unitron TrueFit v3.4

What's new:
Patient insights enhancements

SoundCore makes conversations more enjoyable for your patients with 3712 unique responses.

Tempus 50% more accurate and 36% faster at locating speech.

With Spatial Awareness sounds and speech are realistic.

The best in conversations

Tempus is a game changer.

Knowing the direction of speech, lets us focus in on it like never before.

SpeechPro conquers the most challenging conversations in noise and crowds.
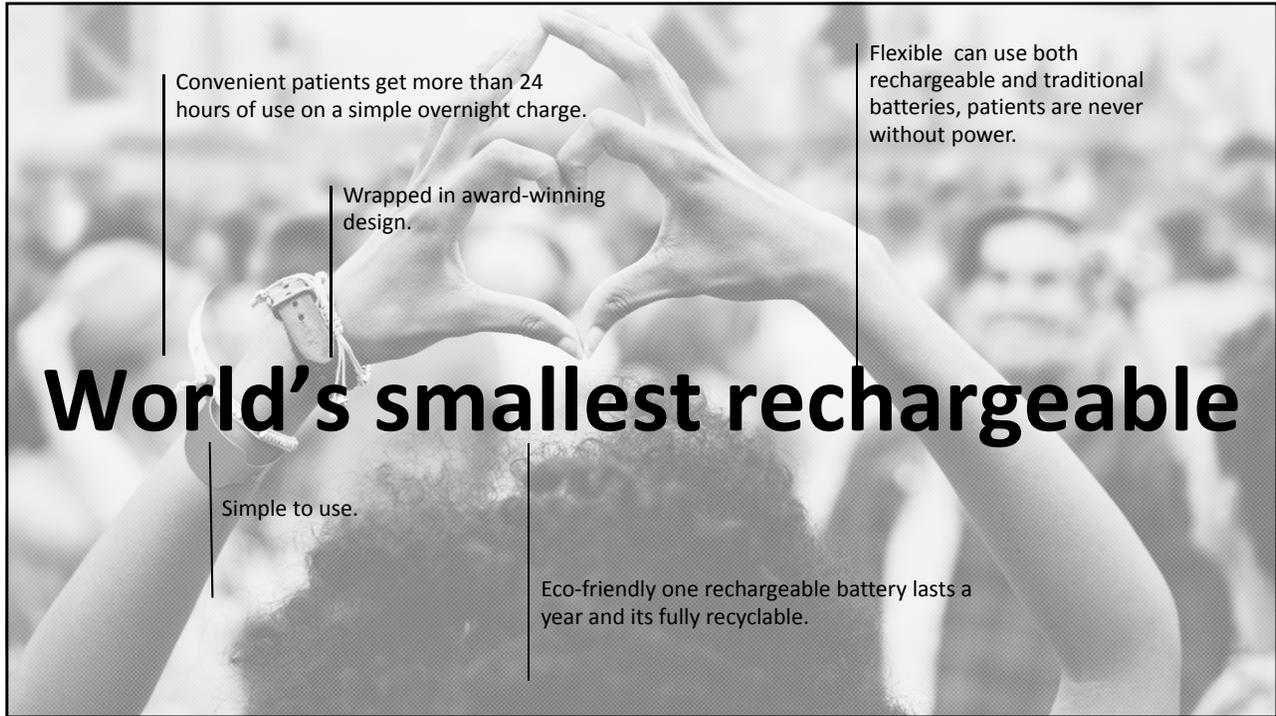
Convenient patients get more than 24 hours of use on a simple overnight charge.

Flexible can use both rechargeable and traditional batteries, patients are never without power.

Wrapped in award-winning design.

World's smallest rechargeable

Simple to use.

Eco-friendly one rechargeable battery lasts a year and its fully recyclable.

Now is the time for **Tempus**