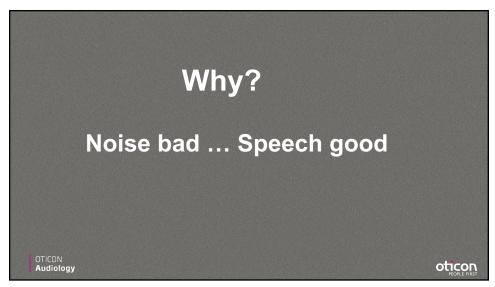


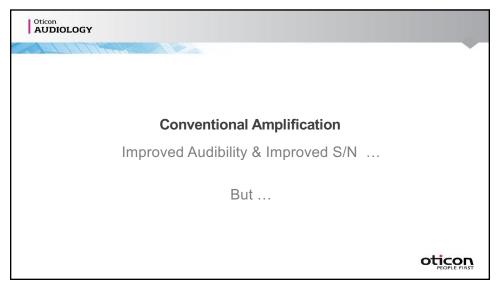
Oticon AUDIOLOGY

Learning Objectives:

- 1. ... Identify the characteristics of realistic complex listening environments
- 2. ... identify the principles that drive speech understanding in challenging situations
- 3. ... recognize the characteristics of OpenSound Navigator and other Oticon technologies designed to mange complex environments

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Oticon AUDIOLOGY

Explaining Speech Understanding

- · Audible?
- Above the noise?
- Where does the noise come from?
 - What constitutes the "noise"?
 - · Who is the talker?
 - Support cues?
- · How sensitive to noise? (distortional component)
- How good is the patient at piecing together a partial signal?
 - · How much effort is the listener investing?

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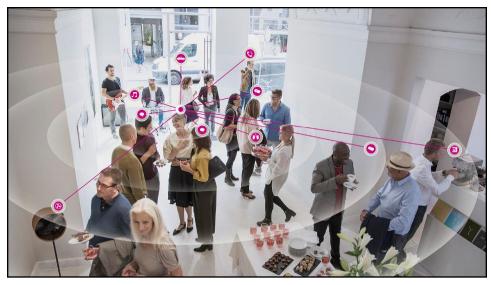
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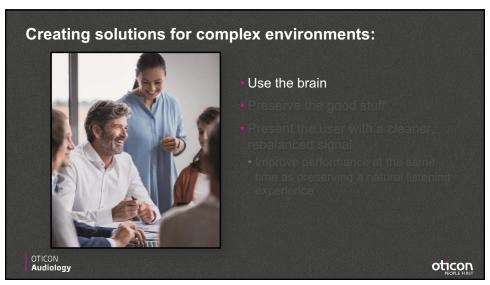
Oticon AUDIOLOGY

Complex Environments

Multiple talkers
Movement
Stable, non-speech sources
Unstable, non-speech sources
Distractions
Shifting focus
A little bit of everything

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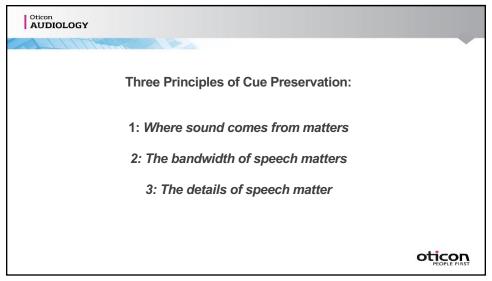


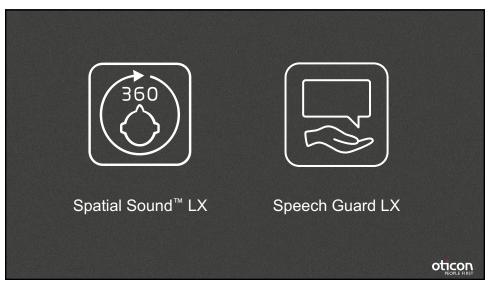




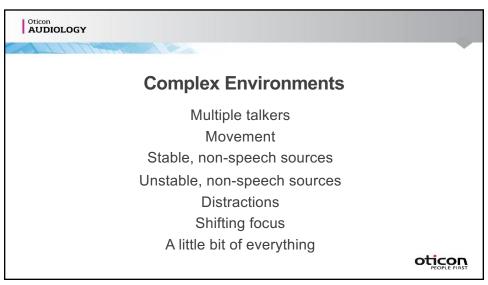
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Speech in Noise Problem: Traditional Technologies

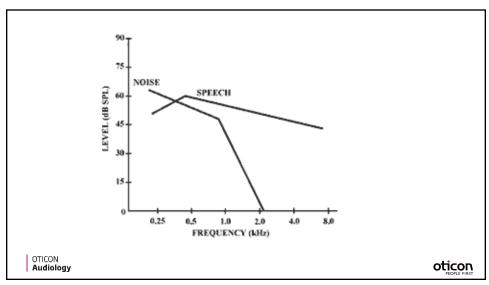
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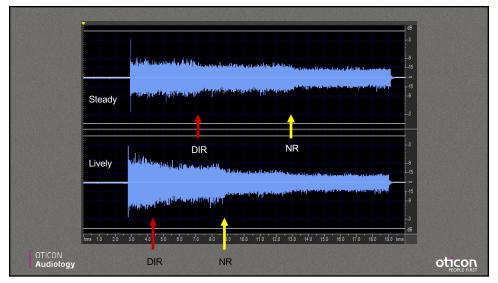
In order to get rid of noise,
...you have to find & define noise

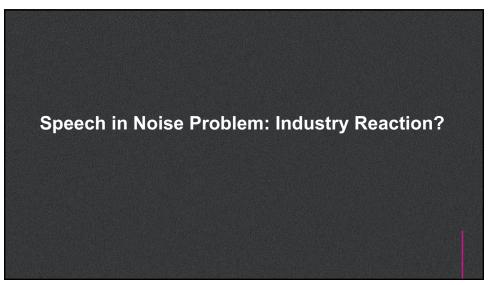
- Adaptive Directionality
- Noise Filtering Long Term

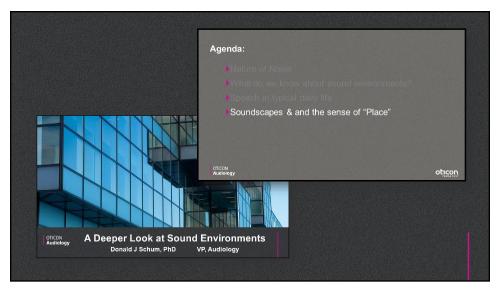
OTICON Audiology

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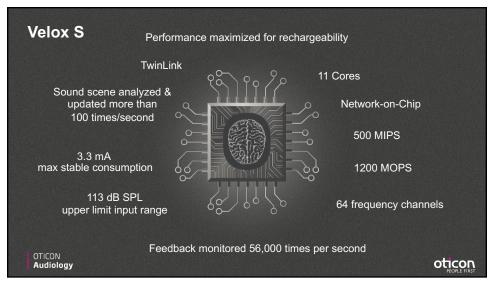


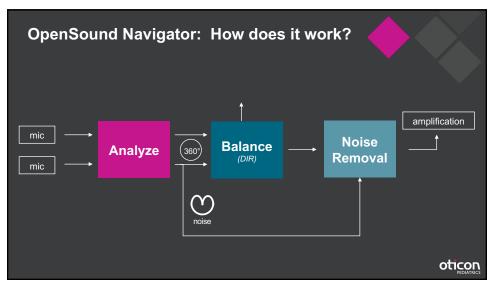


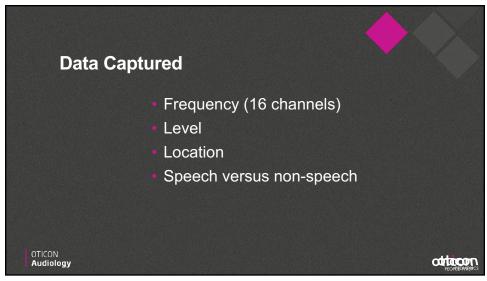


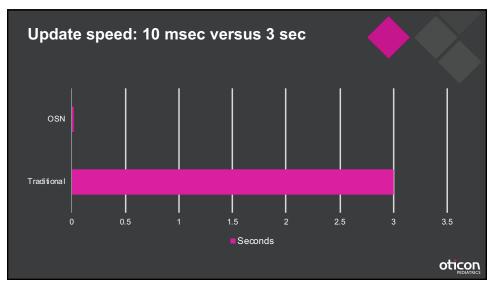


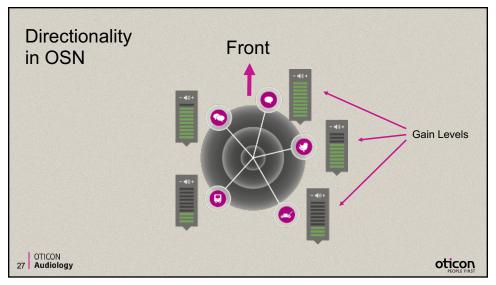


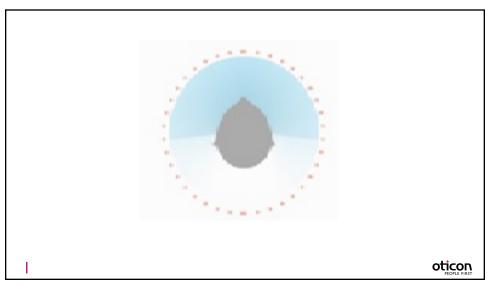


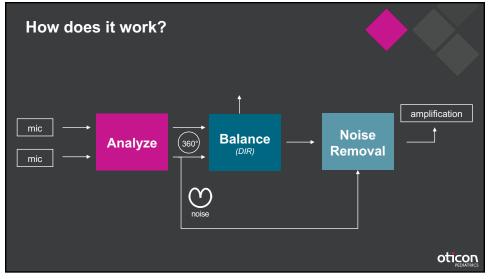


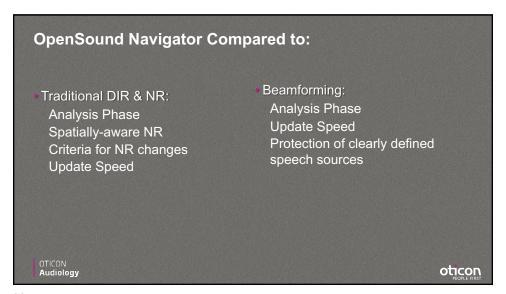


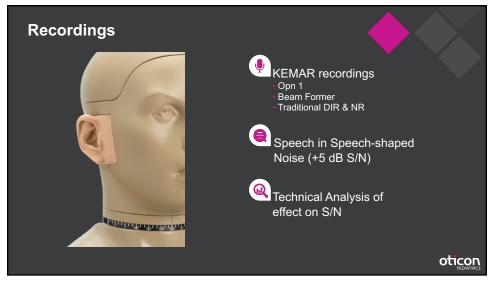


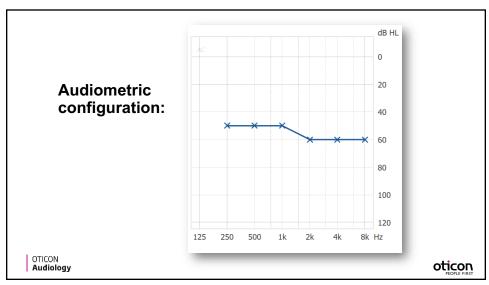


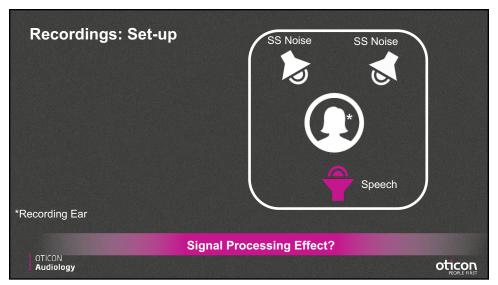


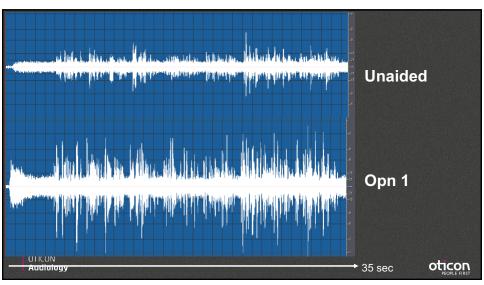


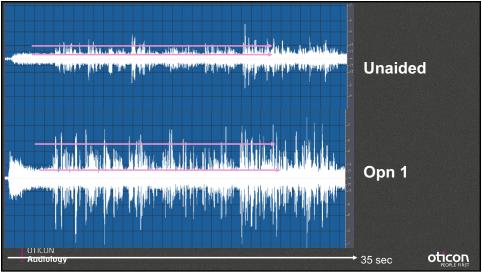


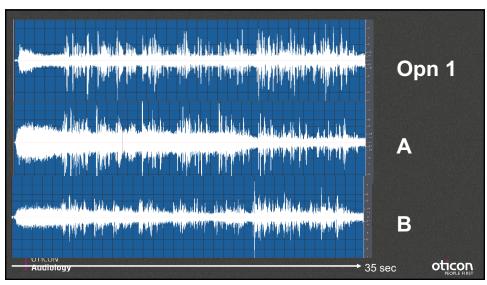














3.

