



## Electric Drive Acoustics

Christoph Meier  
Mercedes-Benz Cars  
Research & Development  
Daimler AG

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## Electric Vehicles ready for Everyday Use



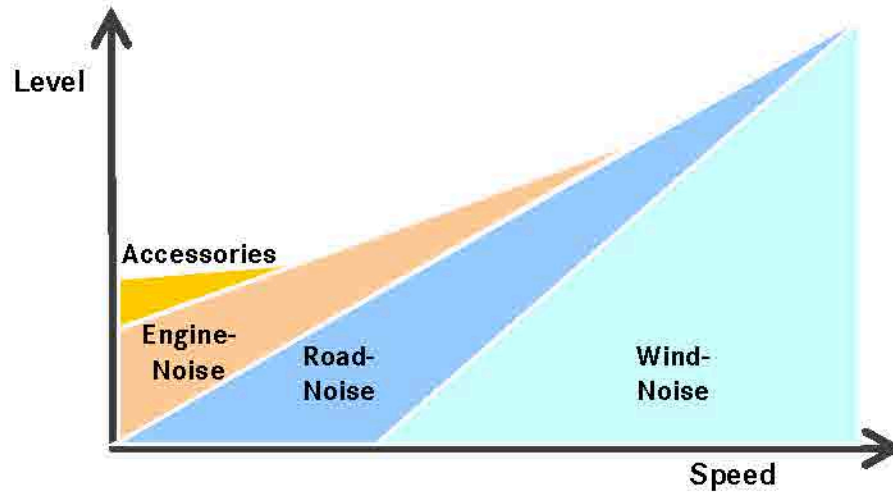
## Electric Drive Acoustics - Noise Reduction & Sound Design

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## The Acoustics of Passenger Cars



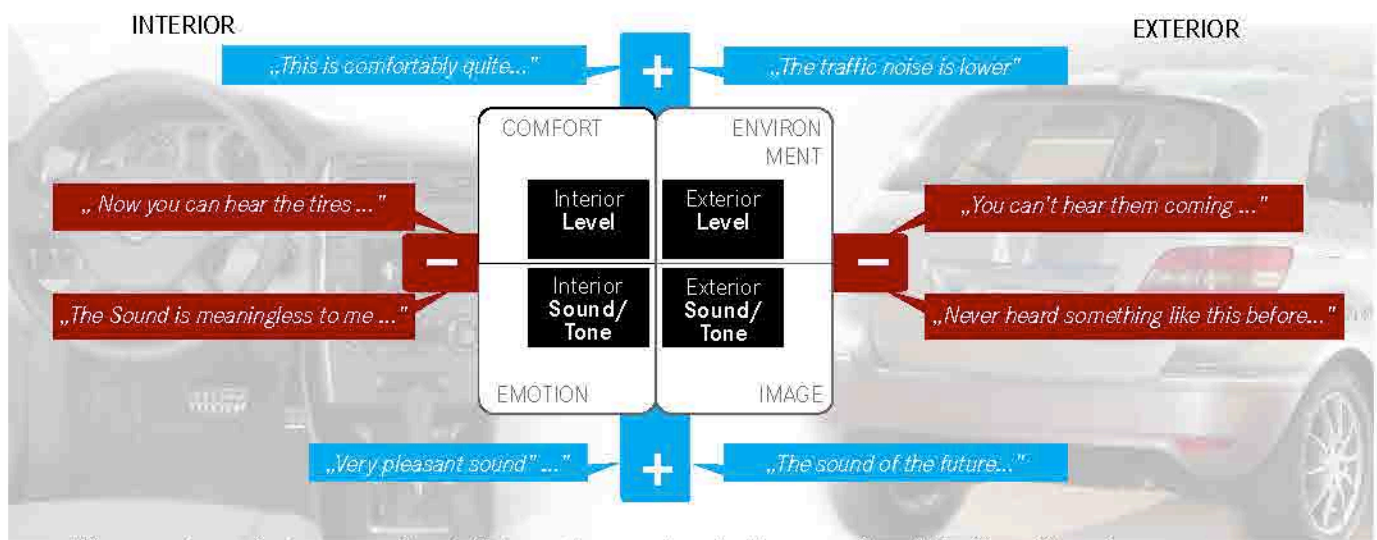
### Different Speed - Different Sources - Different Style

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## The Acoustics of Electric Powertrains



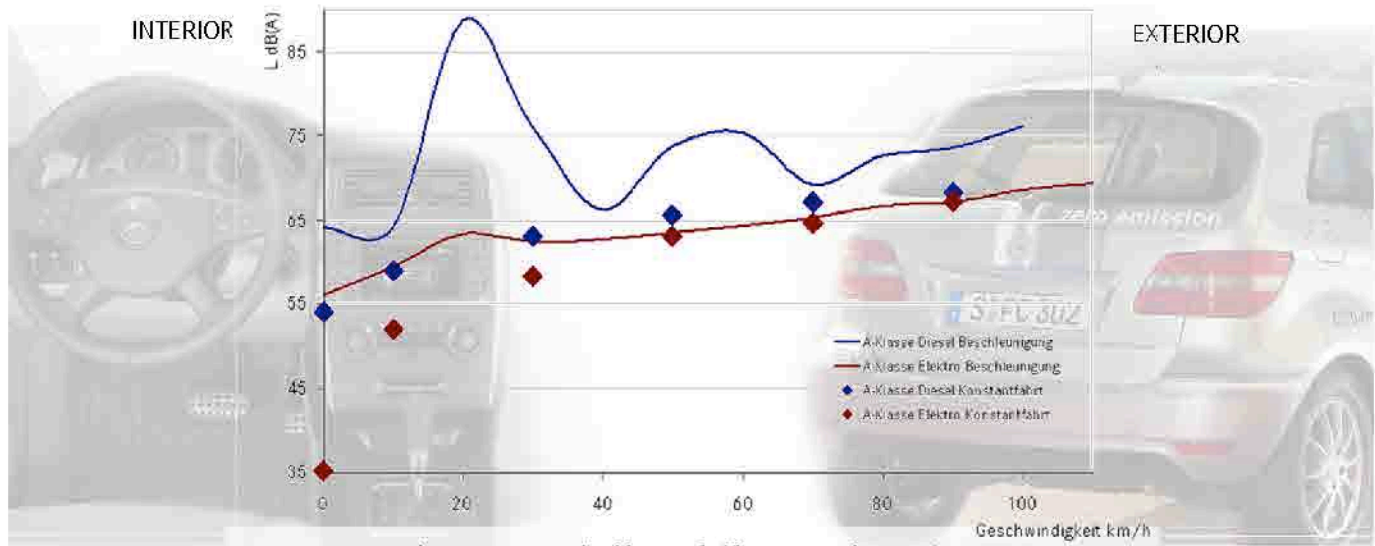
Target: quiet, comfortable, characteristic, and with feedback

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## The Acoustics of Electric Powertrains



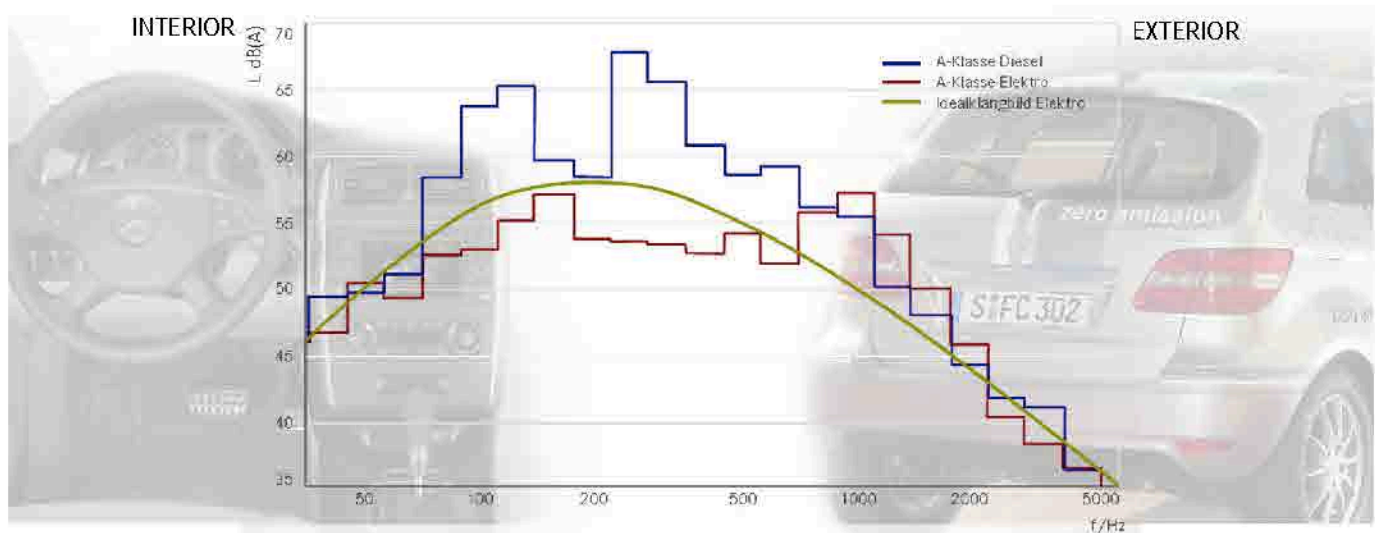
Electric cars are quiet, especially while accelerating

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## The Acoustics of Electric Powertrains



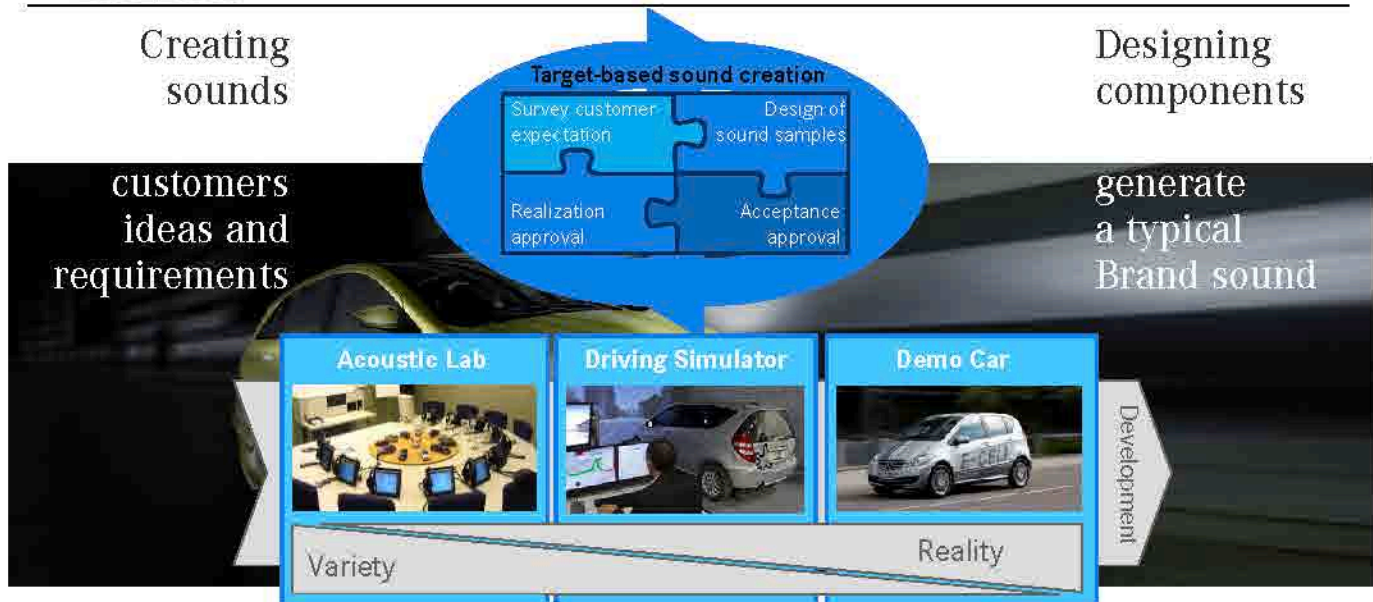
Electric cars sound different

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## Sound design is integrated in the vehicle development process

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## Sound Examples



## Target: The „Mercedes-Benz Electric Sound”

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## „Faster from today to tomorrow“



## The way to a new sound experience

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## References

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Christoph Meier  
Mercedes-Benz Cars, Passenger Cars Development  
Daimler AG, Stuttgart, Germany  
Senior Manager NVH Powertrain

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