MUSIC MEETS ARCHITECTURE
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Fascination
**PROBLEM STATEMENT**
PROBLEM STATEMENT

acoustic problem - high frequencies

Source: M. Mols (2016)
PROBLEM STATEMENT

acoustic problem - low frequencies
PROBLEM STATEMENT

acoustic problem - low frequencies

Source: M. Mols (2016)
PROBLEM STATEMENT

supports and guy ropes
PROBLEM STATEMENT

universal design
PROBLEM STATEMENT

universal design
PROBLEM STATEMENT

universal design
**PROBLEM STATEMENT**

- Bad sound quality, can cause hearing damage
- No added value to the user experience
- Designed for many purposes
PROBLEM STATEMENT

- Bad sound quality, can cause hearing damage
- No added value to the user experience
- Designed for many purposes
Bad sound quality, can cause hearing damage
No added value to the user experience
designed for many purposes
OBJECTIVE

- Improve acoustics
- Design for the experience of the visitor
- Design specifically for pop music events
OBJECTIVE

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- improve acoustics
- design for the experience of the visitor
- design specifically for pop music events
LOCATION - LOWLANDS

55,000 visitors
3 days
175 euro per ticket
8 music stages
4 cultural stages
2 nightclubs
252 acts
LOCATION

- atmosphere
- community
- innovative
- discover
OVERALL DESIGN QUESTION

How can a temporary performance place be designed that is innovative and contributes to the experience of the audience at a live pop music performance at Lowlands festival?
RESEARCH
RESEARCH QUESTION

What aspects of a performance place contribute to the experience of the performance at a pop music festival?
What creates a good performance place at a pop-music festival for:

- the visitor
- the musician
- the sound engineer
METHODS

- Interviews
- Literature study
“connecting with the audience is essential”

“a performance in a unique place is one to remember”

“I like to be able to do something different on stage, surprise the audience”

“smooth logistics is essential to enjoy the performance”
ANALYSIS

VISITORS

MUSICIANS

SOUND ENGINEERS
ANALYSIS

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS

Part of the performance, sound quality, carefree, uniqueness.
ANALYSIS

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS
ANALYSIS

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS

part of the performance

sound quality

carefree

uniqueness
ANALYSIS

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS

analysis part of the performance

sound quality

carefree

uniqueness
CONCLUSION

What aspects of a performance place contribute to the experience of the performance at a pop music festival?

- Part of the performance
- Sound quality
- Carefree
- Uniqueness
FROM RESEARCH TO DESIGN

RESEARCH

literature

interviews

DESIGN
FROM RESEARCH TO DESIGN

RESEARCH
- literature
- interviews

DESIGN STUDY
- reference analysis

REFERENCE FROM RESEARCH TO DESIGN
REFERENCE ANALYSIS

Pop concert halls

Festival architecture

Temporary and cultural
REFERENCE EXAMPLE - PARADISO

Source: residentadvisor.net
ASPECTS - REFERENCE ANALYSIS
DESIGN
FORM
SIGHT-LINES
SEATING
SEATING
SEATING
BACK STAGE
FLEXIBLE CEILING
FLEXIBLE CEILING
ACOUSTIC CONCEPT
ACOUSTIC CONCEPT
ACOUSTIC CONCEPT
ACOUSTIC CONCEPT

Source: Barissol - Microsorber
ACOUSTIC CONCEPT

micro perforated facade

- regular acoustic material
- single layer MP fabric
- multi-layer MP fabric
CLIMATE CONCEPT
CLIMATE CONCEPT
CLIMATE CONCEPT
CLIMATE CONCEPT
CLIMATE CONCEPT
HOW TO BUILD IT
STEP 1
STEP 2
STEP 3
STEP 4
STEP 5
STEP 5
STEP 5
STEP 5
STEP 6
STEP 7
STEP 8
STEP 9
STEP 10
STEP 11
STEP 13
STEP 14
STEP 15
STEP 16
STEP 16
STEP 17
CONCLUSION
CONCLUSION

- atmosphere
- community
- innovative
- discover
CONCLUSION

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS
CONCLUSION

PART OF THE PERFORMANCE

SOUND QUALITY

CAREFREE

UNIQUENESS
MULTIPLE USES

- pop music
- dance
- theatre
- classical music
- jazz
- lecture
MUSEUMPLEIN - AMSTERDAM
THANK YOU
QUESTIONS?