Title
Sub-Title

Wintsersemester 2020/21

d**MA** / Prof. Mirco Becker

d**MA**

Abteilung für Digitale Methoden in der Architektur

Prof. Mirco Becker

Seminar:	Titel – Sub-Titel
Lehrende:	Vorname Name & Vorname Name
Semester:	Wintersemester 2020/21
Mudul:	B.Sc. Architektur
	– …
	Masterstudium Architektur und Städtebau
	– …

Digital Methods in Architecture

Gottfried Wilhelm Leibniz Universität Hannover
Fakultät für Architektur und Landschaft
Institut für Gestaltung und Darstellung
Herrenhäuser Str. 8
30419 Hannover

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Introduction

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Vis-Solidification

Designing with fibres

Anastasios Ioannou

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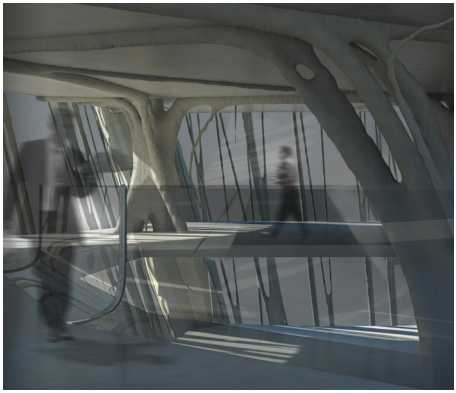

Computational model of viscous fibre aggregation used for tower form finding

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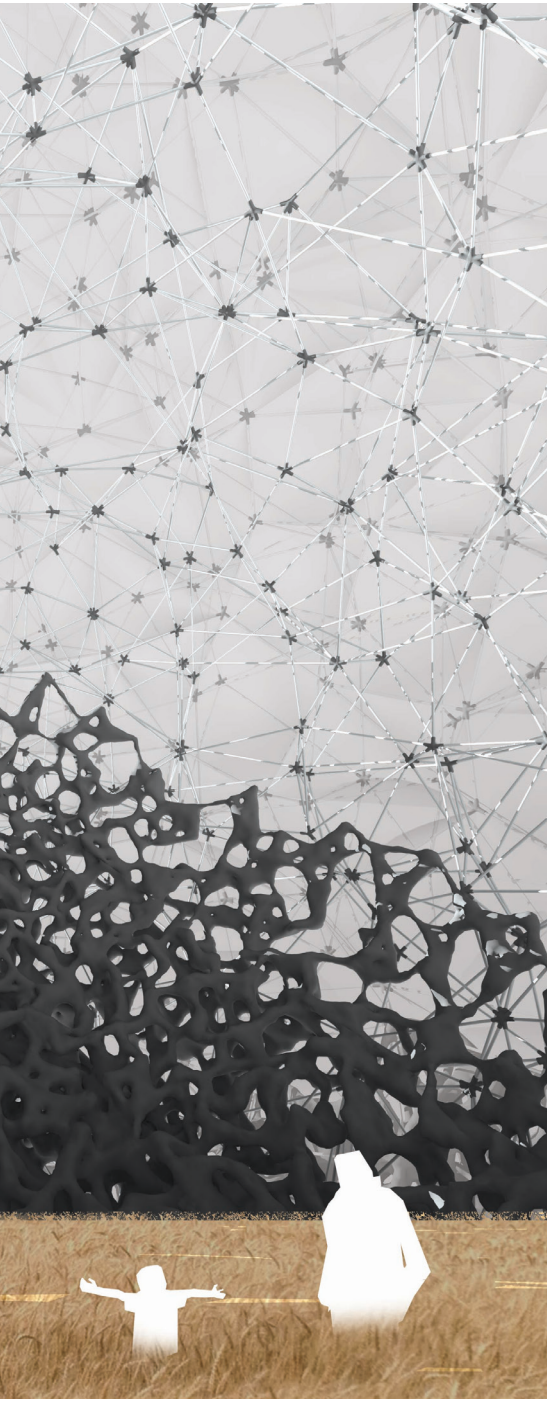
The Atmosphere Project

Designing with ice formwork

Vasily Sitnikov



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Simulation**
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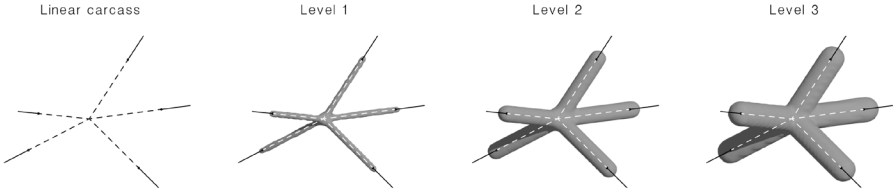
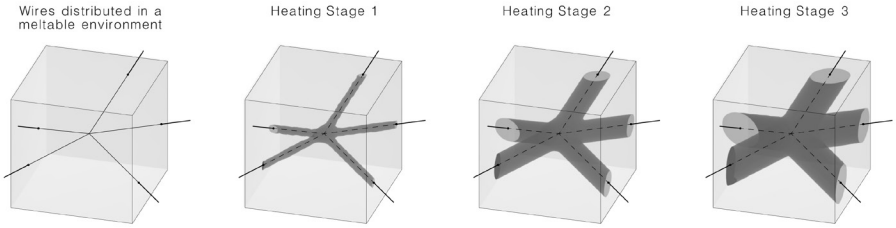
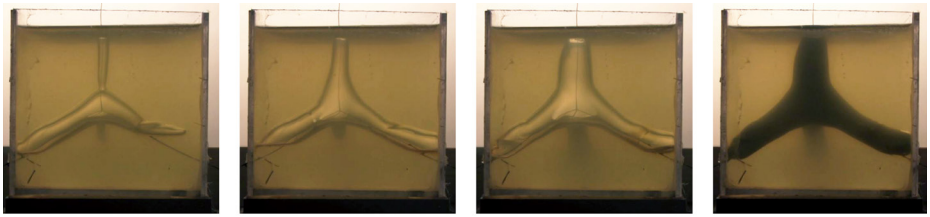


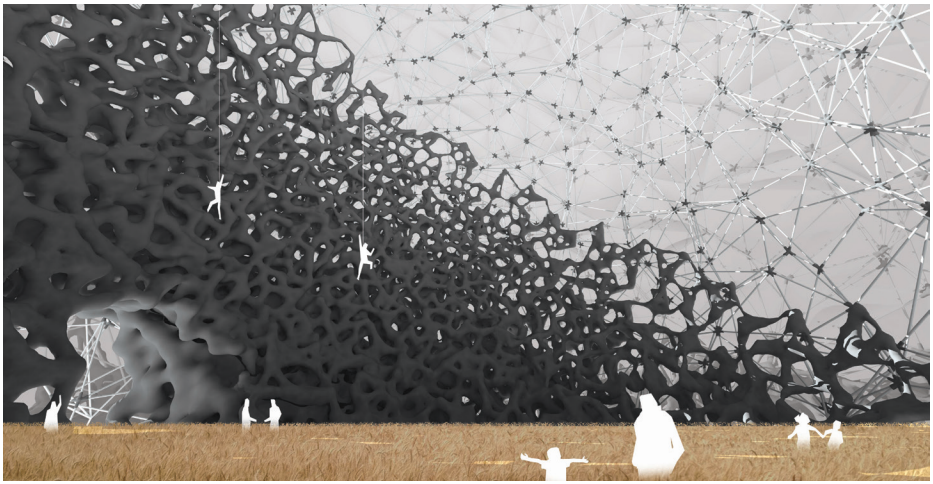
Digital Simulation: Isosurfaces generated out of a linear network



Physical Simulation: Heated wires in a solid meltable environment



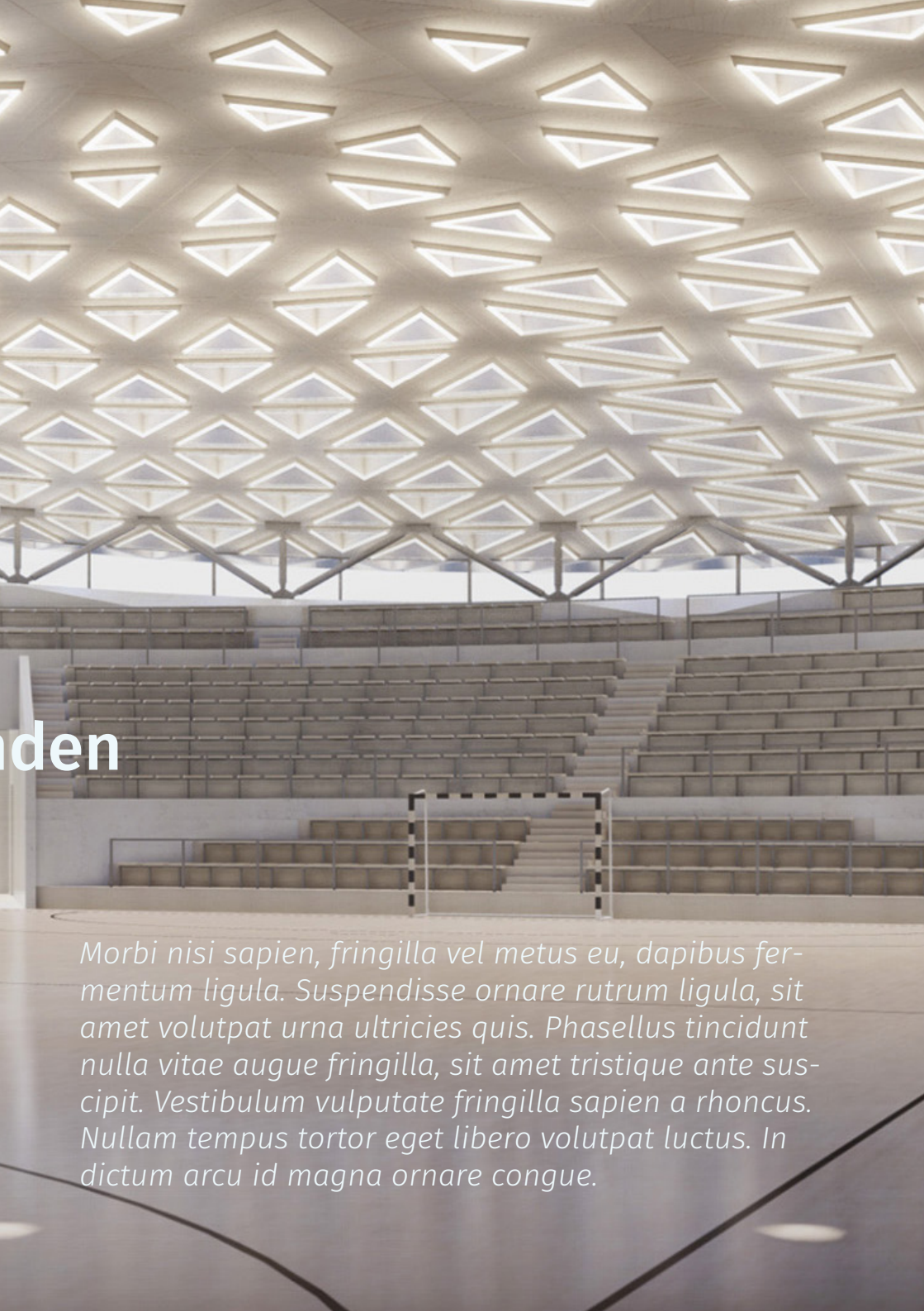
Melting and casting process



Multifunktionshalle in Min

MSc. Thesis 2020

Florian Freita



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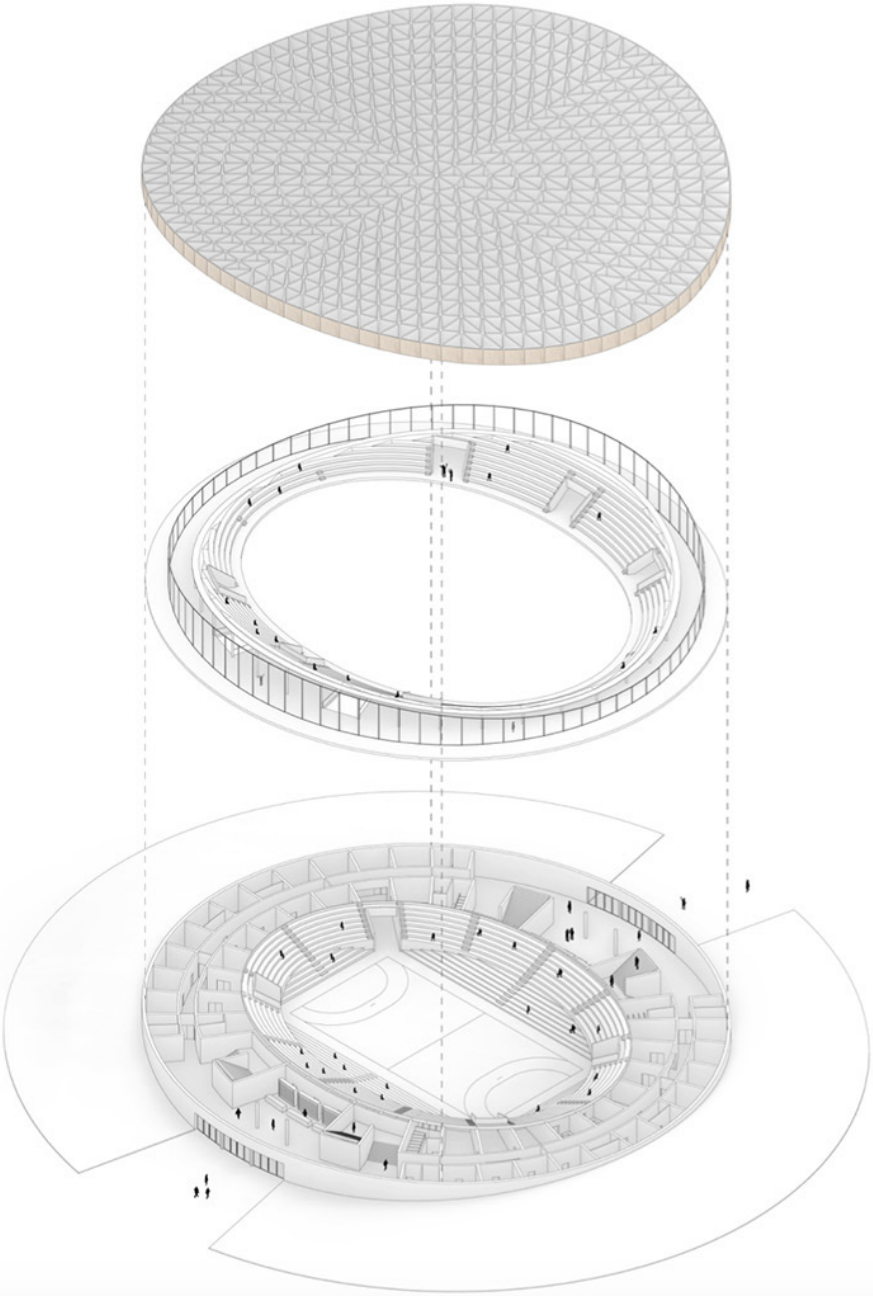
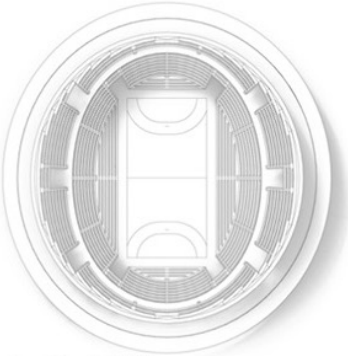
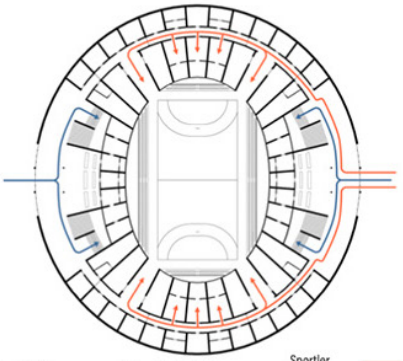


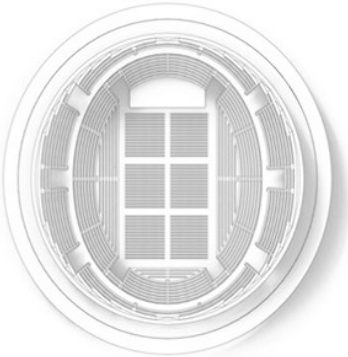


Tribünenlayout Handballspiel

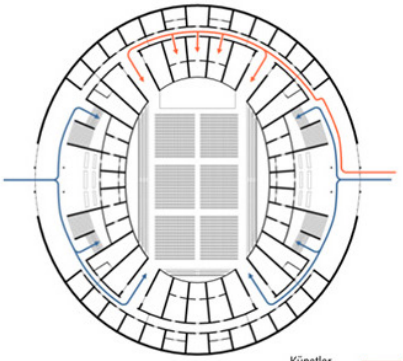


Erschließungswege Handballspiel

Sportler
Zuschauer

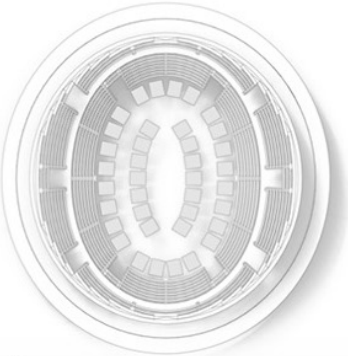


Tribünenlayout Konzert

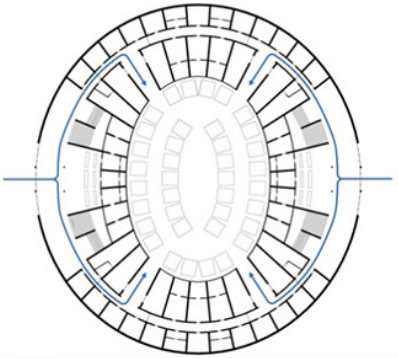


Erschließungswege Konzert

Künstler
Besucher

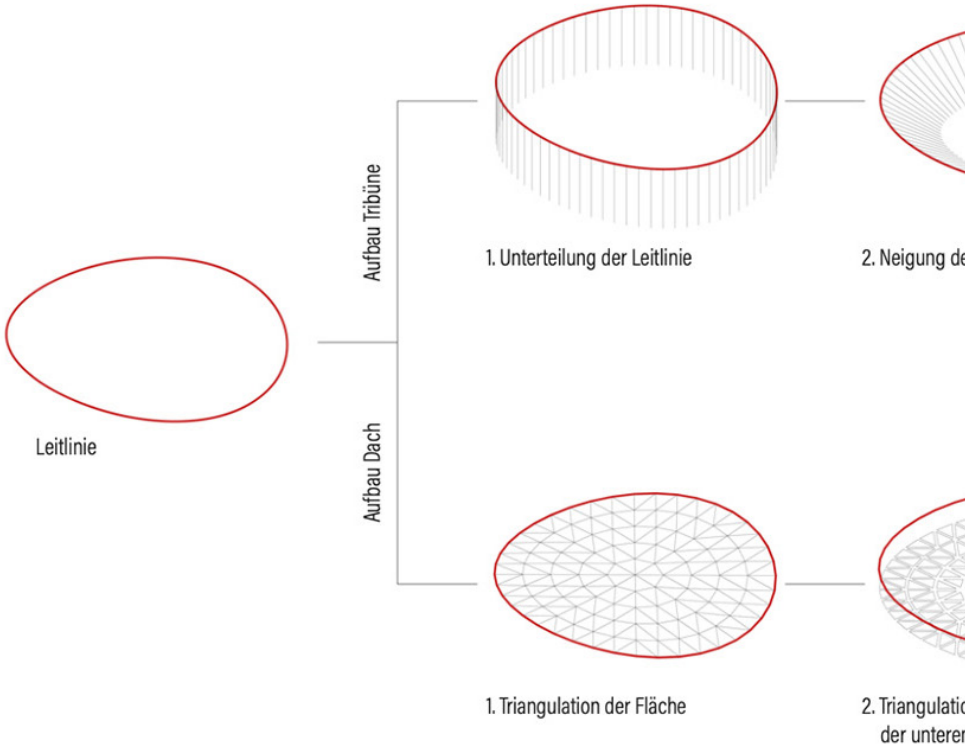


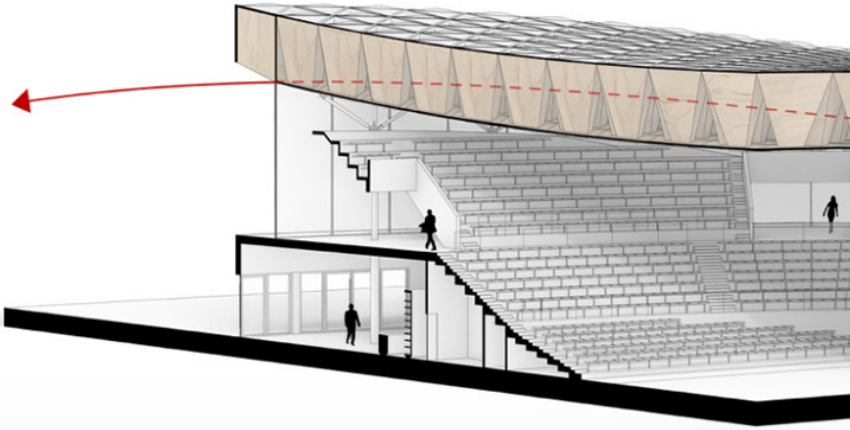
Tribünenlayout Messe

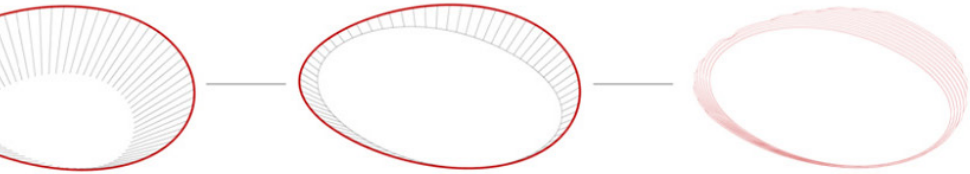


Erschließungswege Messe

Besucher


Leitlinie
Aufbau Tribüne
Aufbau Dach
1. Unterteilung der Leitlinie
2. Neigung de
1. Triangulation der Fläche
2. Triangulatio
der unteren

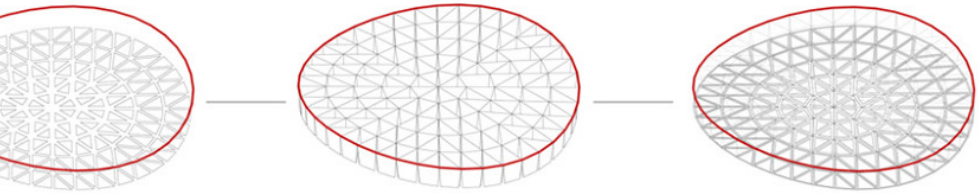




er vertikalen Linien

3. Schneiden der geneigten Linien

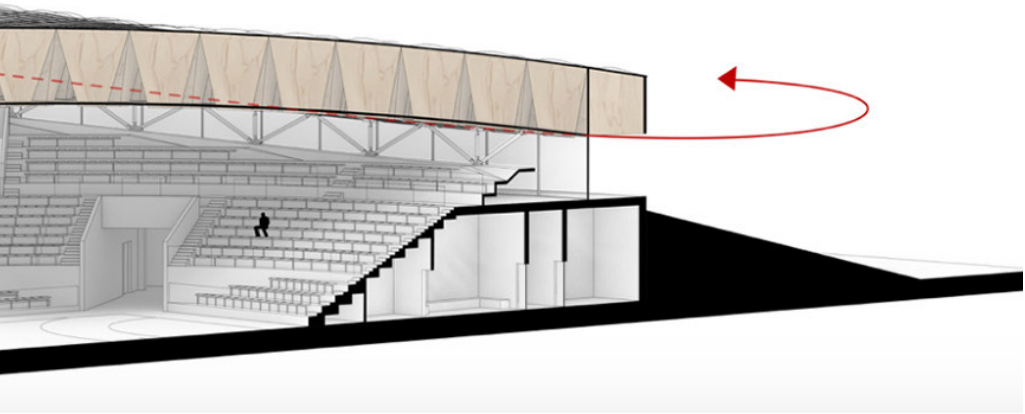
4. Projektion der Tribüne entlang der geneigten Linien



on und Verschieben
n Fläche

3. Extrudieren der Triangulationen

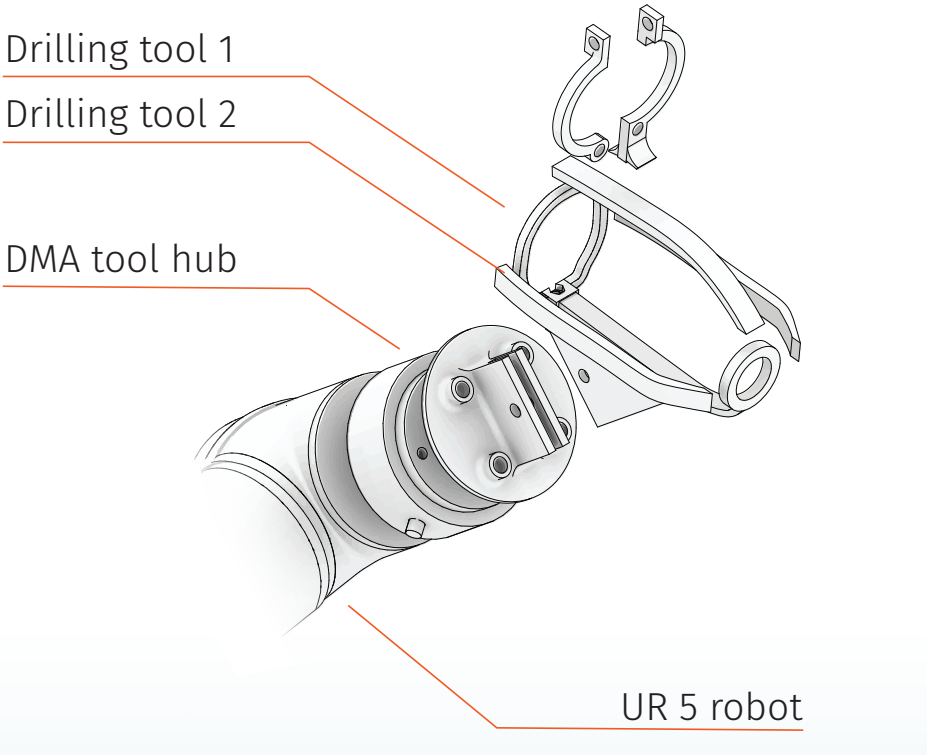
4. Ausschneiden der Scheibe



Robots

Vector Field Drilling

Drilling tool exploded



Literaturverzeichnis

1 Lorem ipsum dolor sit amet
2 Quisque porttitor eros quam