

CHART  
2022

# Architecture Competition Brief

Bio Architecture  
29 April 12.00  
02 May 12.00

# CHART

CHART is the leading Nordic art event and arts editorial platform. CHART brings together dedicated individuals and inspiring professionals to impact the future of the arts community in the Nordics and beyond. Drawing on Copenhagen's vibrant art and design scene, CHART promotes and provides a platform for cross-disciplinary work in the fields of art and architecture.

Alongside an art fair, CHART presents an ambitious public programme of curated exhibitions, performances, talks, concerts and a book fair - attracting large local and international audiences. CHART 2022 will take place from 25 – 28 August at Charlottenborg in Copenhagen.

I really look forward to seeing what ideas and solutions the young architects, designers and artists come up with. Being at the beginning of your career usually means having no limitations and seeing endless new possibilities to old challenges, which I find very inspiring. After a long period of digital events, I am also excited about connecting with and meeting people face-to-face again.

- Architect Kjetil Thorsen (Snøhetta / NO)

# ARCHITECTURE

CHART Architecture is an annual 72-hour open call competition. Recent graduate architects, designers, artists, and preferably cross-disciplinary teams, from across the Nordic region, are invited to present proposals for temporary stand-alone pavilions.

An international jury will select between four and five finalists to realise their projects in the courtyards of Charlottenborg, where they will become central to the overall experience of CHART. Following a jury presentation during CHART weekend, one pavillion will be awarded first prize, based on strength of concept and execution.

After being selected as finalists, the teams will be guided through the process of refining and ultimately realizing their idea. In this process Arup Engineers will consult and conduct masterclasses. Teams will also benefit from assistance in project management and logistical support from CHART's install crew.

Selected finalists will work closely with inspiring partners; each pavilion will serve a practical function, either accommodating one of Copenhagen's most dynamic bars or restaurants, or providing space for performances, talks, concerts or symposia as part of CHART's public programming. It is therefore important the proposals are capable of accommodating these adaptations.

# JURY 2022

- Bjarke Ingels, architect, founder and partner, BIG Bjarke Ingels Group (DK)
- Kjetil Trædal Thorsen, architect, founding partner, Snøhetta (NO)
- Johanne Hestvold, artist, sculptor (NO)
- Maria Foerlev, design gallerist, founder and owner, Etage Projects (DK)
- Pleun van Dijk, curator, Future Materials Bank (NL)
- Ditte Lysgaard Vind, specialist, founder, The Circular Way (DK)

# PARTNERS

CHART Architecture is developed in close collaboration with our partner Arup, who will support the teams in realising their proposals, as well as Danish Architecture Center (DAC), Dezeen and Politiken. The initiative is kindly supported by the philanthropic association Realdania, The Dreyer Foundation, the Danish Arts Council as well as Polestar and FOSS.

## 'World Capital of Architecture' at BLOX

For the first time, CHART and Danish Architecture Centre (DAC) will collaborate to ensure the legacy of one of the five finalists' pavilions.

Following the selection process, DAC will select one of the five pavillions to be rebuildt after CHART at BLOX, as part of the World Capital of Architecure programme, taking place in 2023.

The pavilion selected will be chosen for its ability to initiate social interaction, for its comittment to core values of sustainability and community-engagement and for practical considerations relating to reassembly and installation in an outdoor environment from March to July 2023.

The team behind the chosen pavilion will work closely with DAC regarding its reinstallation and a seperate budget will be allocated for additional materials and other costs.



# BIO ARCHITECTURE

The theme for CHART Architecture 2022 is:

**Bio Architecture.** We asks participants to explore the symbiotic relationship between architecture and nature. We are curious to understand the relation between building and biology - how new materials can contribute to an innovative and sustainable built environment, and how the interactions between humans and architecture can become more sensuous, inspirational and engaging.

How might the ideological separation between human-made and natural forms dissolve to allow new architectural constructs?

Given the critical nature of climate change, architecture must provide imaginative solutions to the questions of over-consumption and sustainability. How can new forms be found and new materials explored?

Participants should consider construction methodology: Does nature have the potential to inspire an eco-conscious architecture in its conception, construction process and lasting manifestation? With embodied energy being crucial to environmental design, can proposals be robust in the truest sense, creating a circular economy where material is neither wasted or discarded after use? Can the proposed design be disassembled and then reassembled for future use? How can different methods of fabrication, provide inspiration for this year's architectural pavilions?

We encourage participants to propose new and unexpected ways for the public to engage with the pavilions' architecture. We are also deliberately looking for proposals that explore haptic aesthetics, a sustainable choice of materials and the influence of human nature in the creation of new interactions and architectural expressions.

CHART dreams of proposals which are bold, imaginative and investigative in their approach, while at the same time contributing, in an inclusive way, to a vibrant atmosphere in the courtyard of Charlottenborg.

I am looking forward to seeing the works of today's most exciting, up-and-coming architects. I am interested in how they will address difficult realities and find paths forward towards a better future, reflecting on and reconnecting with the natural world.

- Gallerist Maria Foerlev (DK)



# FUNCTION

For CHART 2022 there will be either four or five architectural pavilions distributed between Charlottenborg's two courtyards. The pavilions will be an integral part of the activities in the courtyards. Together with a number of installations, performances, symposia and live music, they will create an important setting for various interactions during the four day event period.

## The pavilions will serve one of two main purposes

1. Social interaction / performance space:  
Creating space for artistic experience or social engagement between audiences.
2. A bar space; offering guests and visitors the opportunity to collaborate with a leading Copenhagen bar/restaurant.

For both purposes we encourage participants to consider how the pavilion might shape a vibrant social setting.

Social interaction and engagement in terms of seating flexibility and adaptability during the four days of CHART should also be considered carefully.

When submitting proposals, participants must indicate which category they believe their proposal is best suited for. Ideas relating to social function and optimum method of activation should be included in the design proposals.

## Dimensions

Proposed pavilions can take many different forms; for example, both a larger structure or several smaller units that combine to form a full pavilion would be welcome. It is important to note that the total structure of the pavilion cannot exceed a footprint of 16m<sup>2</sup>.

## Footprint

The allocated surface area of 16m<sup>2</sup> may be organized according to the following maximum configurations: quadrilateral footprint of either 4x4 m / 3x5 m, circular footprint with diameter 4,5 m or triangular footprint where the two short sides cannot exceed 5 m. The height of the pavilions must not exceed 6 m.

Selected finalists must be willing to adapt their design to accommodate their pavilion's allocated function and/or any other practical conditions that may be required by CHART.

Speculative design may be a relatively small specific field, but its way of thinking is relevant to many other fields. Speculating about the future gives us a new perspective on the now, and therefore on the ethical issues that are relevant today.

- Artist/Designer Pleun van Dijk, Future Material Bank (NL)

# REQUIREMENTS

## General requirements

The pavilion should ideally be designed to withstand inclement weather conditions. All areas dedicated to preparing and serving food and drinks must be covered and provide the user protection from the elements.

Due to fire regulations, no structures can be more than 6 metres high. For safety reasons, it is not permitted to build an accessible second story.

The pavilions must not damage or alter the courtyards and listed buildings of Charlottenborg. The pavilions must be free-standing structures and cannot be fastened to the ground or the surrounding buildings.

## Build-up and budget

The five teams selected by jury are responsible for ensuring that their pavilion design is of the highest quality in terms of construction.

CHART will supply architects, engineers, carpenters and builders to consult with the finalists during installation, however, the responsibility of construction ultimately lies with the chosen teams. Teams are also responsible for ensuring their projects are structurally sound and finished within budget and the given on-site time frame.

Each finalist will be awarded a production budget of 35.000 DKK (incl. VAT) which all projects must be built within.

Teams are encouraged to seek sponsorships for additional funding and/or building materials where required. Each team must nominate a member responsible for the budget as part of the submission.

## Who can apply? The competition is open to:

- Recent graduates of architecture, design, art and other creative disciplines (who graduated within the last 7 years)
- Newly established studios (started within the last 5 years), who have yet to realise a larger building project are also eligible to apply

At least one team member must have a relationship to the Nordic region, either by having studied or worked in the Nordic region or being native to one of the Nordic countries. All teams must consist of at least two members, but a larger size is preferred. CHART specifically encourages interdisciplinary teams to participate in the competition.

Biomimicry as a design philosophy and the use of biomaterials provide a grand opportunity to move from despair to repair and ultimately towards reimagining our buildings as a tool to regenerate our planet. If we dare to use them, there are an abundance of opportunities to harness with mycelium, algae, seaweed etc. to create truly positive buildings that capture carbon in a simple and efficient way.

- Specialist Ditte Lysgaard Vind (DK)

# SUBMISSION

Email submissions to: [arch@chartartfair.com](mailto:arch@chartartfair.com)

Deadline: 2 May 2022, 12:00 noon (CET)

When submitting your proposal you can indicate which social function during CHART you believe your proposal best fits; however this is not mandatory.

Please note the file should be anonymous and not contain names or contact information of the team members. Submissions must contain the following three files in order to be considered:

## Document 1

A3 sheets (max. five), named: 'title of project'\_A.pdf

- Title of project (team name)
- Chosen category: (optional)
- Concept text for press (max. 150 words) + additional text to elaborate
- Plan, section and facade elevation
- Perspective views
- Drawings, images and diagrams supporting your idea

## Document 2

A4 sheet, named: 'title of project'\_B.pdf

- Title of project (team name)
- Full name, nationality and education details of all team members
- Email and phone number for all team members
- Name of team member responsible for budget

## Document 3

One jpg for press use, named: 'title of project'\_C.pdf

- Choose the image that is most characteristic of your design to use for press.

## Upload

Email files A, B and C to [arch@chartartfair.com](mailto:arch@chartartfair.com) by 2 May, 12:00 noon (CET) at the latest, with the subject line: 'title of project' – CHARTarch2021.

Please note, proposals submitted later than this will not be considered.

- Files should be max. 10 MB in total
- All text must be submitted in English

It's about learning from nature and seeing ourselves and what we make as parts of a larger whole. Through a cross-disciplinary approach and by pursuing ecological ideals, I think that Bio-Architecture can contribute to finding more sustainable ways of living and building.

- Artist Johanne Hestvold (NO)

# EVALUATION & KEY DATES

The jury will assess the submissions according to the following criteria:

## *Informed and Inspired by Thematic Context*

Proposals should illustrate a critical and imaginative response to the overarching theme of Bio Architecture. Proposals should illustrate innovative techniques and artistic expression as part of their engagement with the overarching theme.

## *Socially Engaged and Context Driven*

Proposals should demonstrate an imaginative solution that encourages social interaction and engagement within the context of CHART and its physical surroundings.

## *Quality and Originality of Concept*

Proposals which present an innovative, inspiring and coherent idea or concept will be evaluated more positively.

## *Architectural Integrity and Artistic Quality*

Proposals should present a strong and coherent artistic vision which pushes the boundaries and potentials for architecture as an artistic discipline. Proposals should also engage with the architectural context of Charlottenborg.

## *Sustainability and Circular Design*

Proposals should show material awareness and innovation with particular attention being paid to environmental impact and sustainability. The potential for further installation at BLOX this year necessitates a robust construction methodology, capable of easy disassembly and reassembly. This narrative should be integral to the design proposal.

## *Cross-disciplinary*

Proposals should reference CHART's cross-disciplinary focus on art, design and architecture as interrelated and overlapping mediums.

## Competition timeline

### April/ May 2022

29.04.22	Friday 12:00 noon (CET): Commencement of 72-hour competition
02.05.22	Monday 12:00 noon (CET): Submission deadline
18.05.22	Interviews conducted with longlist of teams
20.05.22	Finalists announced

### Design development with selected finalists May/ June/ July/ August

25.05.22	Kick-off meeting between finalists and CHART; Arup Masterclass 1: Structure and design; Finalist proposal presentation
07.06.22	First round of municipal building permit applications
13.06.22	Midway evaluation with CHART; Arup Masterclass 2: Buildability and Tectonics
23.06.22	Second round of municipal building permit applications
01.07.22	Design development, meetings with partners, securing sponsorships, fabrication Arup Masterclass 3: Responsible construction + team advice

### Construction phase and chart opening August

11.08.22	9am commencement of construction phase
22.08.22	Completion of construction phase
26.08.22	CHART ART & ARCHITECTURE PUBLIC OPENING
28.08.22	Midday; jury makes their assessment at each pavilion 17:00; CHART closes

### Pavilion disassembly

29.08.22	Commencement of pavilion disassembly at Charlottenborg
30.08.22	Completion of disassembly of pavilions at Charlottenborg

*Teams are requested to be on site from 11 August - 30 August for pavilion construction, CHART and disassembly.*



# FAQ

*Are the pavilions required to have a roof?*

Yes, all pavilions should have a roof that is proportional to the proposed surface area for the pavilion and no more than 6 meters high.

*Is it possible to alter the immediate environment of the pavilions for construction purposes?*

The courtyards and buildings of Charlottenborg are protected and the pavilions must not damage or alter the environment they are set within.

*Are the pavilions allowed to be fastened to the ground?*

No, the pavilions must be freestanding structures.

*Are we allowed to self-fund additional costs for the production of our pavilion that exceed the construction budget of 35.000 DKK?*

No, the pavilions must be built within the allocated budget. However, teams are encouraged to seek sponsorships from producers where relevant.

*Are pavilions allowed to exceed one-storey?*

For safety reasons the pavilions must not exceed one-storey and should be ground level structures.

*Am I allowed to submit a proposal if I have a professional or personal relationship with a member of the jury?*

Yes, all submissions will be judged by the jury members anonymously.

*I currently work as an architect but graduated within the last couple of years. Am I eligible to apply?*

If you have graduated within seven years you are eligible to apply.

*I wasn't born in the Nordic region. Am I eligible to apply?*

Yes, provided that you have studied at a school in the Nordic region.

*I am a young architect living and working in the Nordic region, but do not possess a qualification from a Nordic school. Am I eligible to apply?*

Yes, providing you have graduated within the last 7 years.

*One of our prospective teammates didn't study at a Nordic school and doesn't work in the Nordic region. Are we eligible to apply?*

Yes, we still welcome an application.

*I didn't study in the Nordic region, but I am currently working/interning in the Nordic region. Am I eligible to apply?*

Yes, you would be considered eligible.

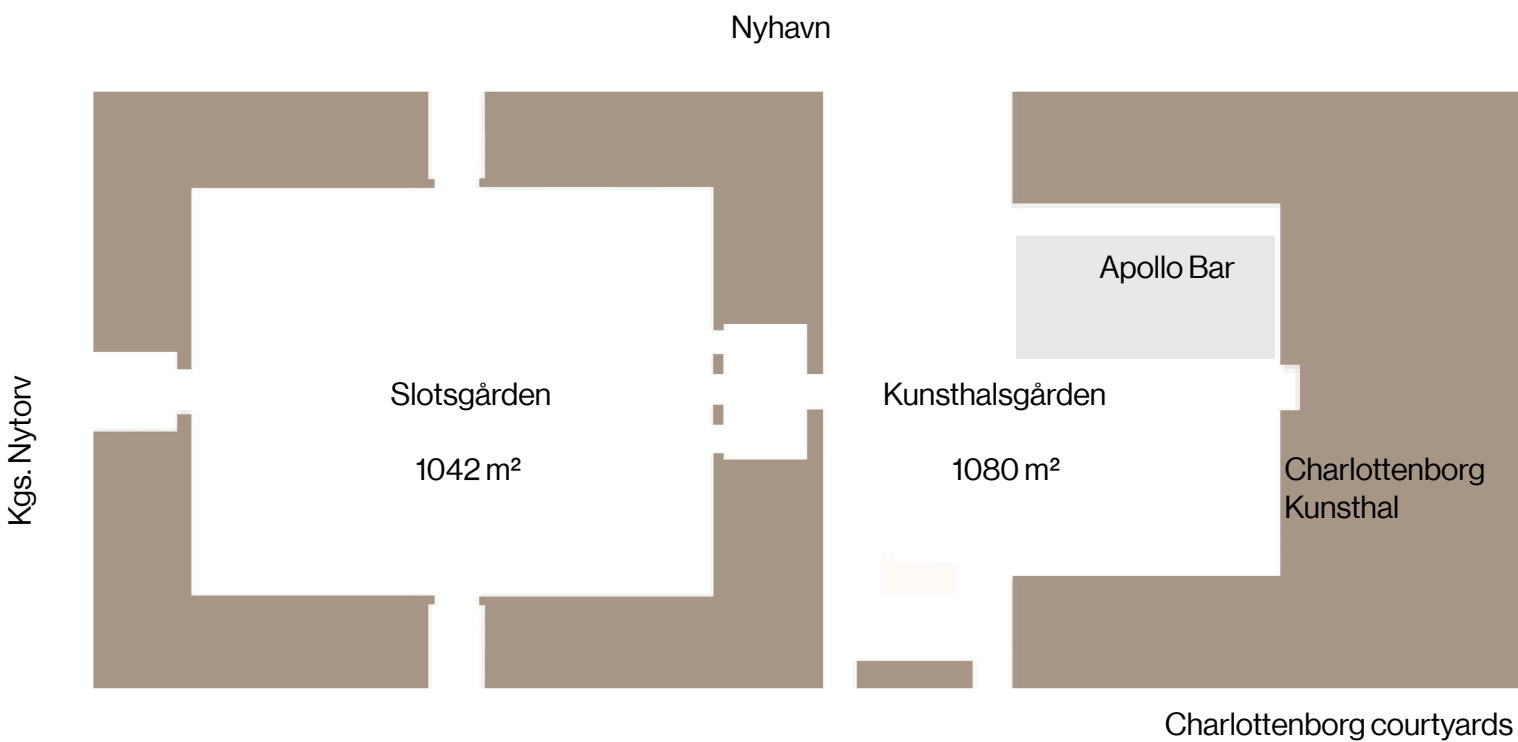
*I am a bachelor student at a Nordic architecture academy. Can I apply?*

You have to be a graduate to submit a proposal – we hope to hear from you when you are a bit further along in your studies.

If you are unsure about your eligibility to apply, please don't hesitate to contact [arch@chartartfair.com](mailto:arch@chartartfair.com). We will answer as quickly as possible.



# PLAN & CONTEXT





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