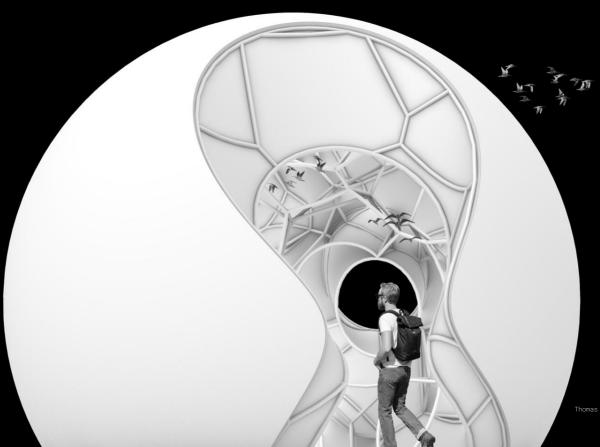
## 1:1 Interactive Architecture Prototypes

Design Proposal



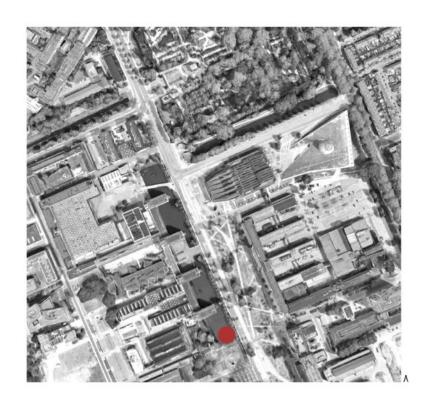
### GROUP\_03

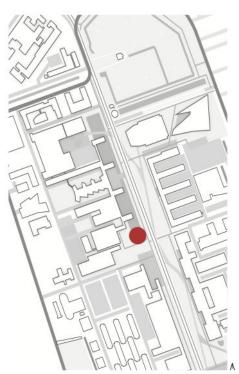
Fabio Sala | 5631327 | f.sala@student.tudelft.nl Thomas Kaasschieter | 4696956 | t.h.kaasschieter@student.tudelft.nl Yiyin vu | 5568897 | Y.Yu-27@student.tudelft.nl Yu Chen | 5556716 | Y.Chen-118@student.tudelft.nl Jakob Norén | 5633028 | c.j.w.noren@student.tudelft.nl

# Site Location:

Cornelis Drebbelweg 9, 2628 CM Delft

51°59'59.7"N 4°22'23.2"E





## Design Strategies

After finding a site we analysed the flows of people and placed the design into a protected area

## Users

Students and local birds







## **Objectives**

#### preserve

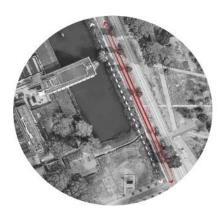
the local bird biodiversity

#### inform

about the botanical diversity

#### create

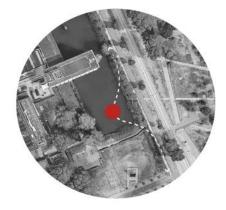
a new quiet and natural seating spot



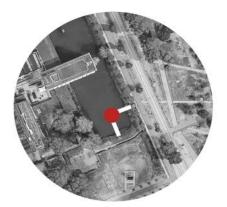
Bike & walking path



Deviating the slower flow of people



Seating area



Connecting footwalks to the land

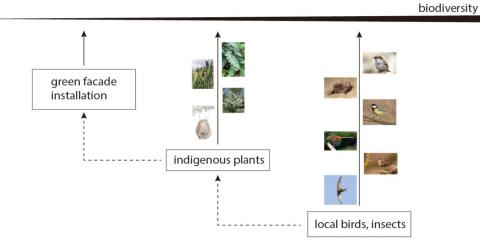


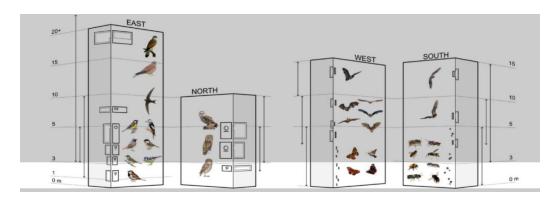
Dividing two functions



Seating and bird nesting

# Nature inclusive Design







#### House sparrow

These endangered specles like gardens with lots of green, but not too much trees.





#### Bats

Nest in (un insulated) cavities of buildings, nesting boxes and behind carpentry.

hunts around water, trees and lanterns.



#### Eurasian Wren

Nestst in wooded areas, but moves to city centers in the winter.

Feeds on insects, caterpillars, spiders, larvea and seeds.



#### Dragonfly

Dragonflies live nearby water, as larvae they even live in the water, adult dragonflies find new teritory by following the water.



#### Coal tit

Moistly Nest in wooded areas, but also in parks, shrubs and gardens as long as there is enough

feeds on small insects



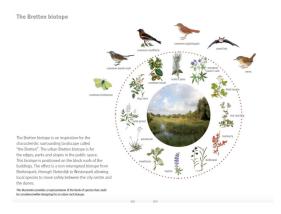
#### small insects

Insects live all around us, they polinate flowers, break down organic material and form a large part of the diet of smaller birds.



## Facade strategies | Biotopes | Species







#### Biodiversity identified



#### House sparrow These endangered spe-

lots of green, but not

It's diet includes grain, eds, nuts and insects



Nest in (un insulated) cavities of buildings. nesting boxes and pehind carpentry hunts around water



urasian Wren Nestst in wooded areas, out moves to city ceners in the winter.

pillars, spiders, larvea



## Coal tit

Molstly Nest in wooded areas, but also in parks, shrubs and gardens as long as there is enough

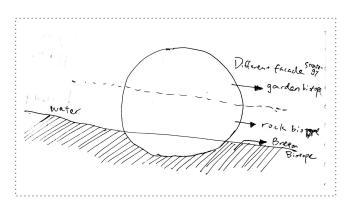
eeds on small insects



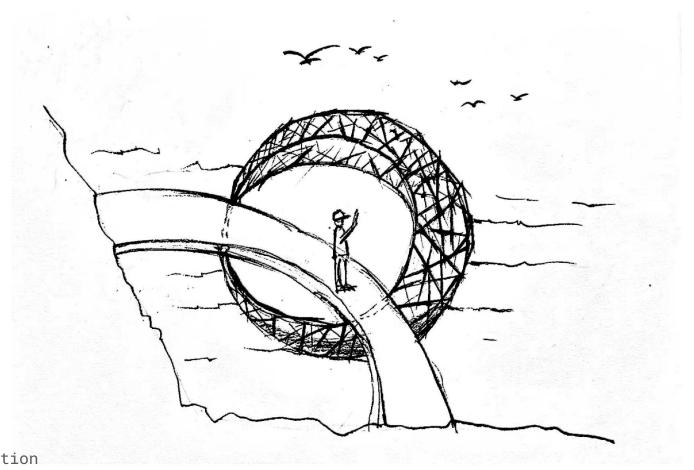
#### small insects

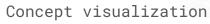
Insects live all around us, they polinate flowers, break down organic material and form a large part of the diet of smaller birds

### Integration with the design









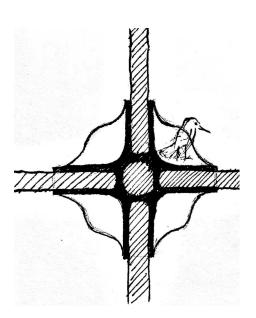


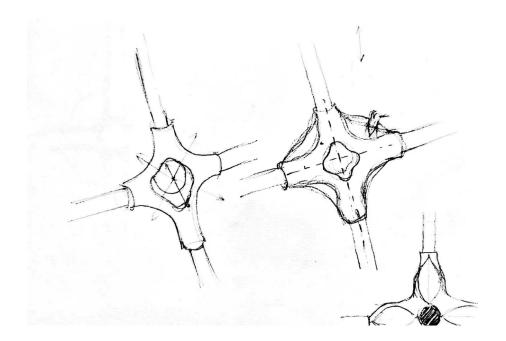
# Node Design

- Technical and structurally stable Home for birds and animals







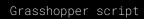


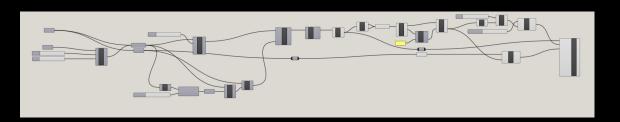


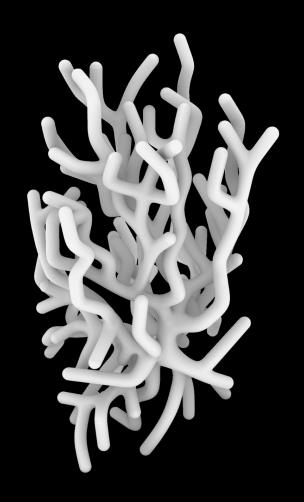
# Design drafts

A test with the shortest walk function.

The thickness of the pipes is variable.



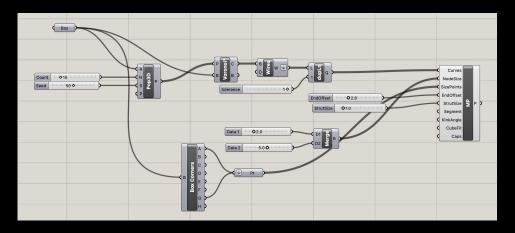


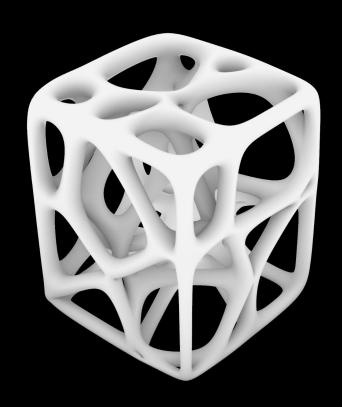


# Design drafts

A quick test with the voronoi function, also with the variable thickness of the pipes, this time also with the nodes.

## Grasshopper script

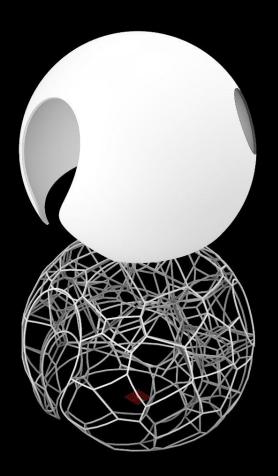




# Design drafts

- Node Structure with nesting
- Concentrated to one side
- Entrance for Human and Bird





## Grasshopper script

