

HANNAH STONIER

THE REHABILITATION HUB

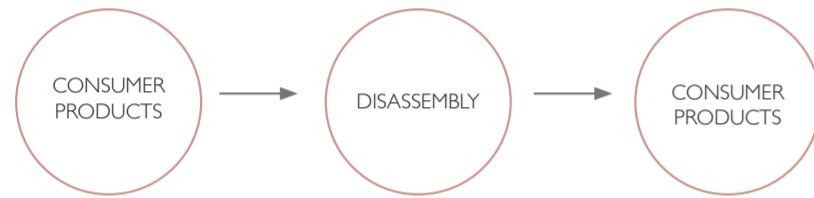
The Rehabilitation Hub is an educational up-cycling centre which aims to bring the wider Oxford community together around the themes of sustainability and recycle/upcycle of waste. The ground floor hosts a variety of up-cycling workshops held by artists and makers, as well as a range of social spaces for the public to use and enjoy. The first floor is the setting for a graduate incubator which focuses on the rehabilitation of existing buildings: a larger scale of up-cycling. On the second floor, a roof garden brings a much needed green social space for the public into Oxford City Centre.



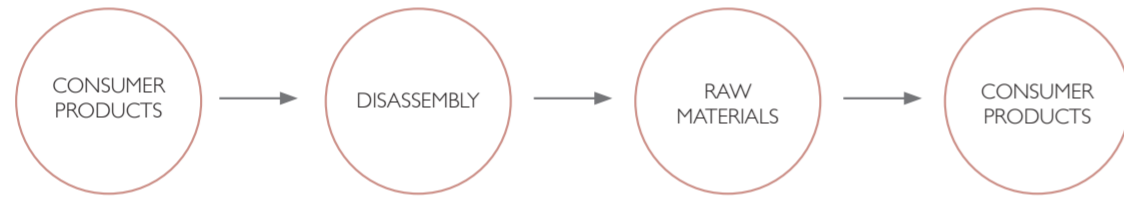
Every year we dump **2.2 Billion Tonnes of waste** into landfill and the sea, and this is not sustainable for the planet. Two ways of combating this issue is by **Recycling and Up-cycling**. **Up-cycling**, also known as creative reuse, is the process of transforming by-products, waste materials, useless, or unwanted products into new materials or products perceived to be of greater quality, such as artistic value or environmental value.

One of the biggest contributors to waste is the construction industry. Sustainability in construction is now a given and the whole industry is working hard to minimise time, costs and environmental impact. We build with sustainable products. We use just-in-time logistics. We've embraced modular construction and digitalisation, and we recycle materials at the end of life. To this we can now add **up-cycling – or breathing new life into older buildings**. This is more than simply a refit or refurbishment; it's about changing the building's identity and giving it **new value**.

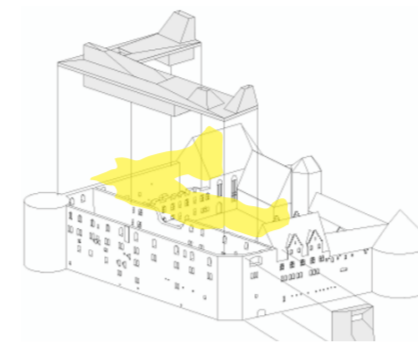
UP-CYCLING PROCESS



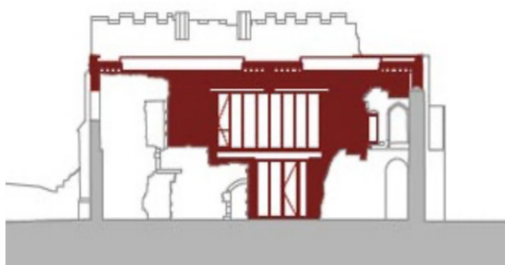
RE-CYCLING PROCESS



EXAMPLES OF UP-CYCLED EXISTING BUILDINGS.



MORITZBURG MUSEUM RESTORATION BY NIETO SOBEJANO ARCHITECTS, GERMANY 2008



ASTLEY CASTLE RESTORATION BY WITHERFORD WATSON MANN ARCHITECTS, UK 2012

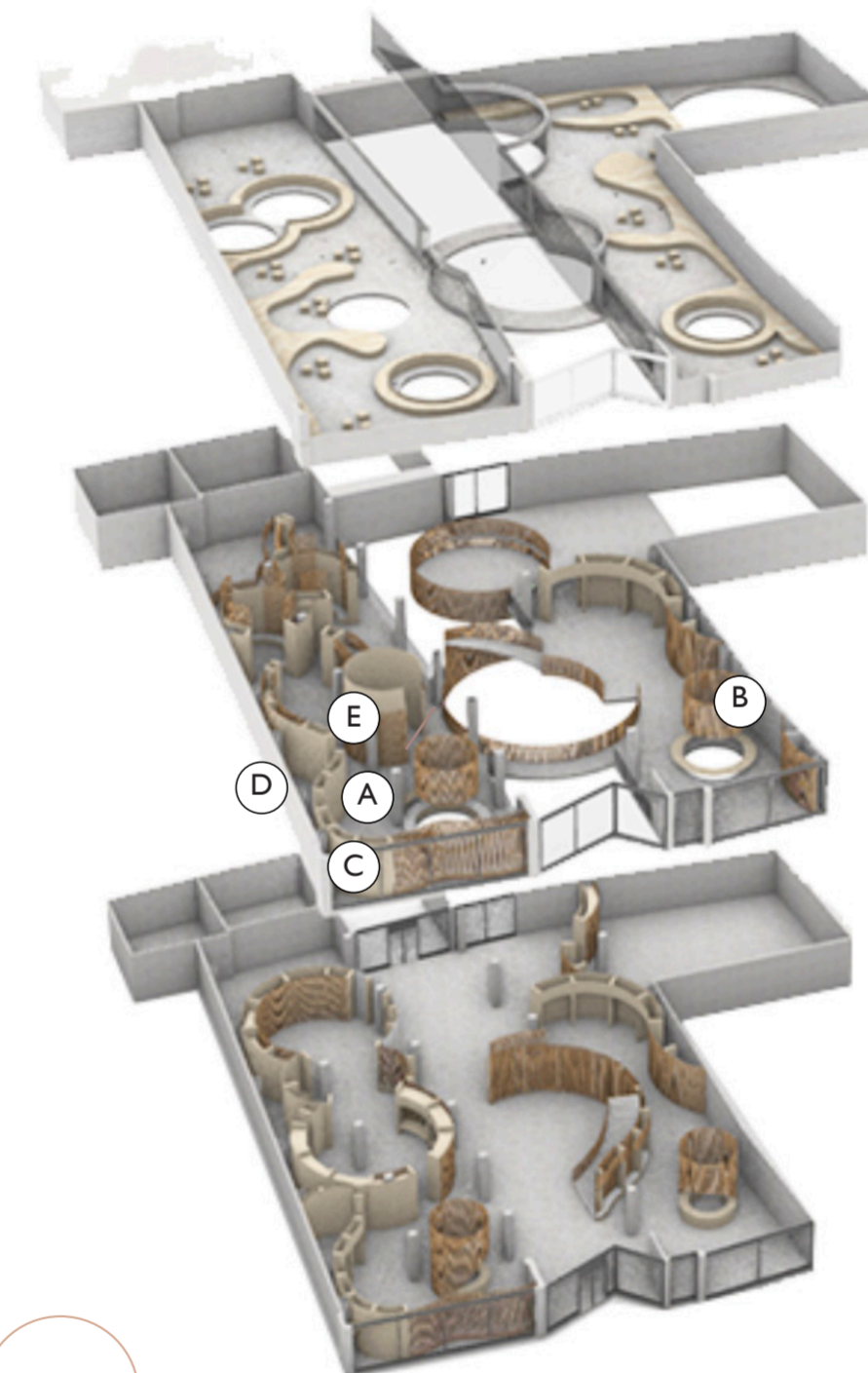


CHURCH OF SAINT FRANCES CONVENT RESTORATION BY DAVID CLOSES, SPAIN 2011

The upstairs of the Restoration Project will be a **creative graduate incubator** which bridges the gap between university and real life jobs. It will house real life architectural projects, but will have the comfort blanket of the universities resources and tutors. The graduates will be in the incubator for 2 years, working on projects and gaining a portfolio. These projects will be re-purposing projects, where the existing building will be preserved, and something new will be retrofitted into the old. In this case, the graduates will be responsible for all aspects of the projects, from the design of the furniture, to the financial side of the business.

This is a larger scale of **up-cycling** compared to the smaller scale projects which take place downstairs in the education hub.

EXISTING BUILDING WITH INSERTION OF THE NEW DESIGN



WHO WILL BE INVOLVED?



ARCHITECTS / INTERIOR ARCHITECTS



INTERIOR DESIGNERS



STRUCTURAL ENGINEERS



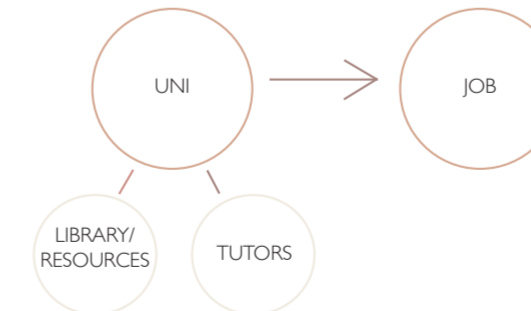
HISTORIANS



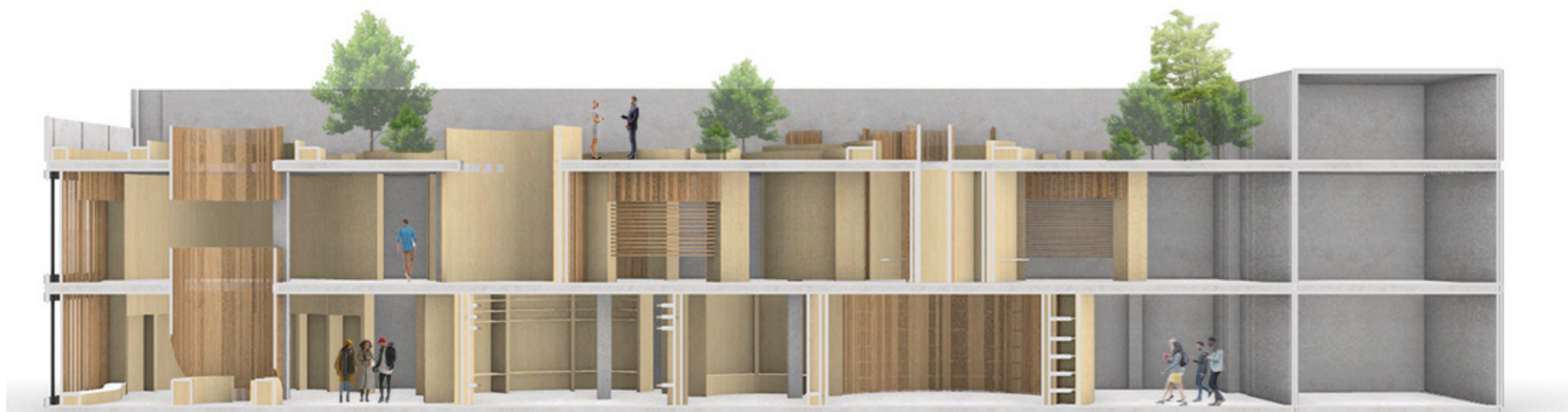
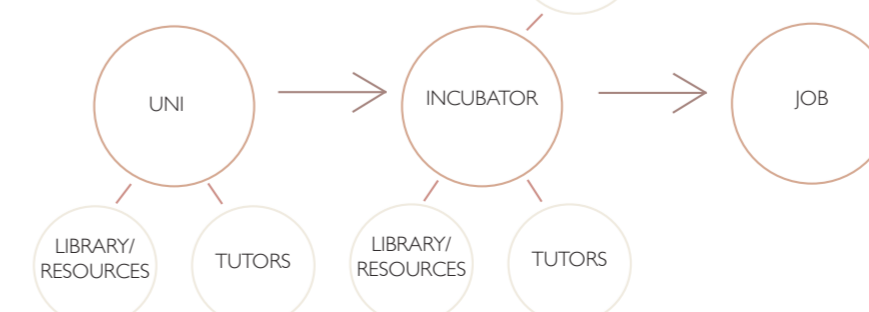
BUSINESS / FINANCE

The existing Clarendon Centre has been given a new lease of life and purpose by the insertion of the new design into the existing space.

CURRENT BUSINESS MODEL



PROPOSED BUSINESS MODEL





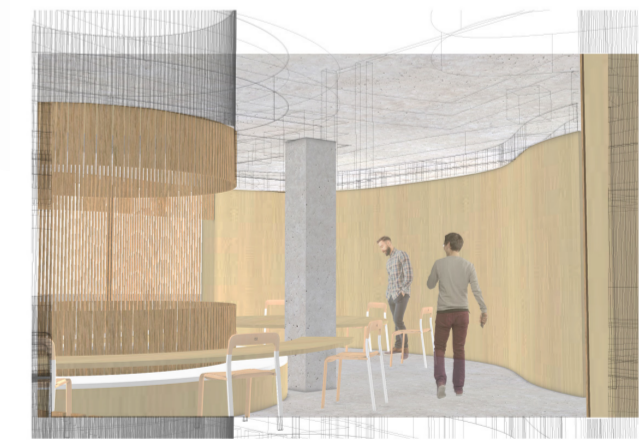
A: COURTYARD SEATING AREA



B: EXHIBITION AREAS



J: SEMI-PRIVATE MEETING ROOM



C: ARCHITECTS WORKING SPACE



C: WORKSHOP AREAS



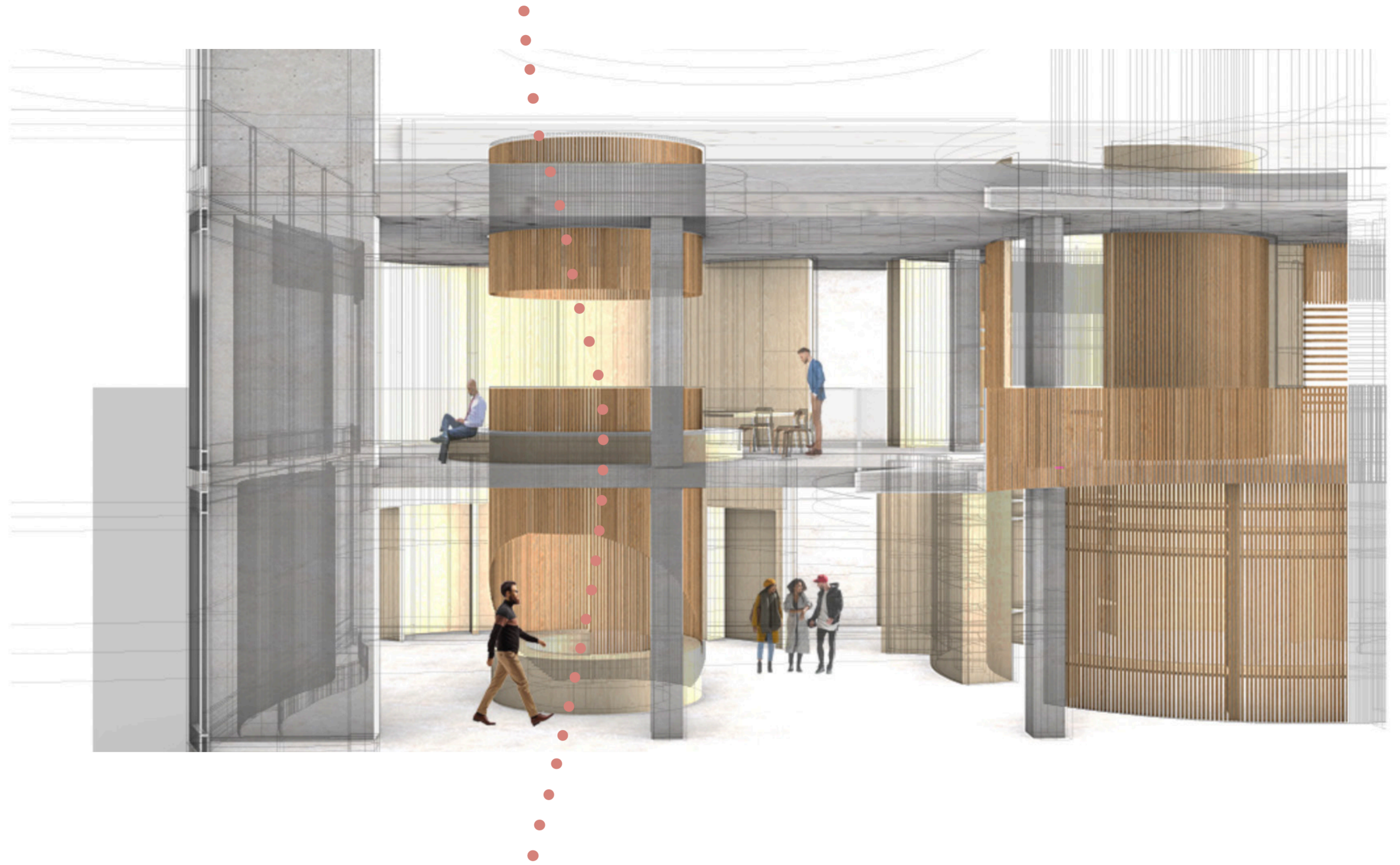
H: CAFE AREA



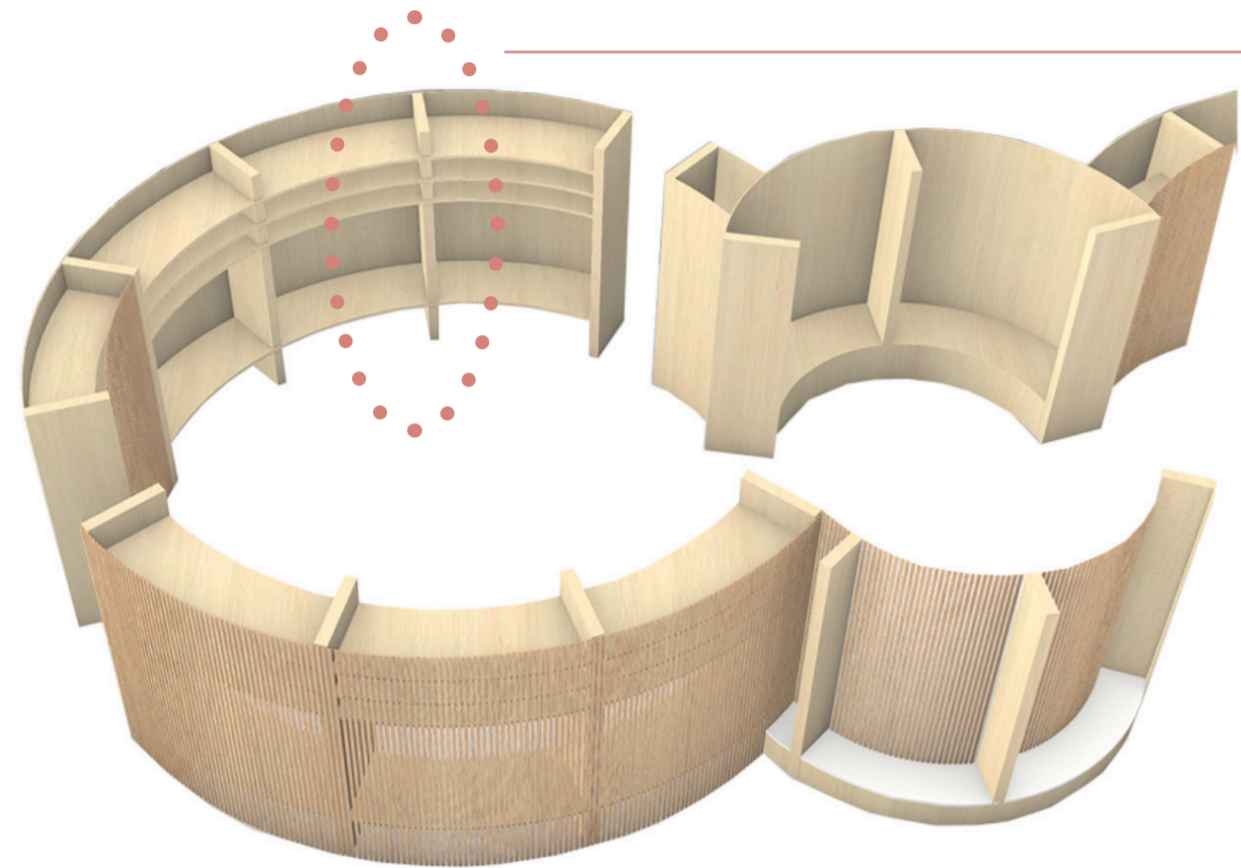
D: MEETING ROOM



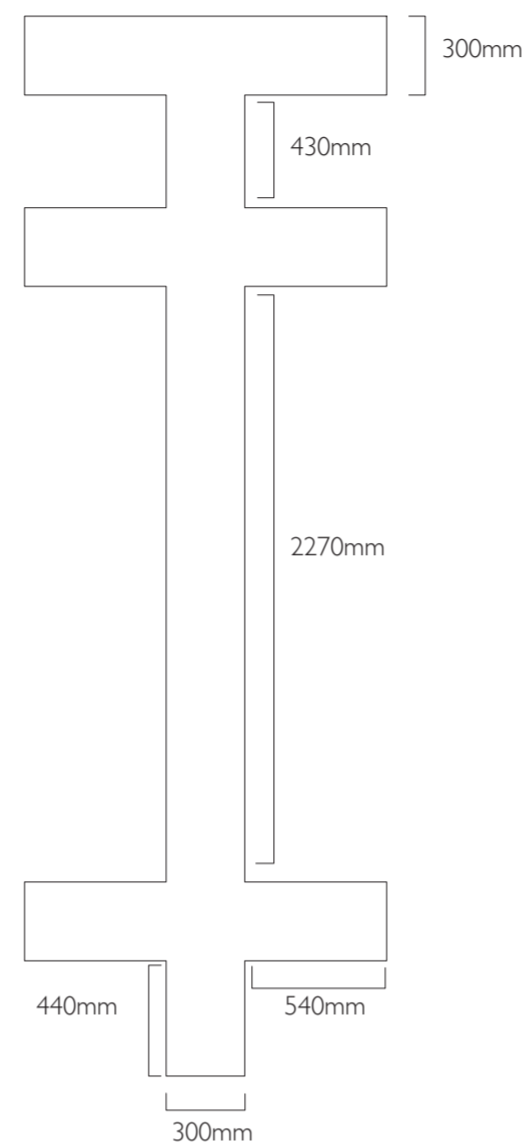
E: FURNITURE



The curve structure is formed by having an internal framework of vertical panels that are placed along an axis which creates a curve when panels are fixed onto them. Not only this but the shape of the T panels allows for the fixation of object like desks on the top of them. They can be spaced different distances apart depending on how tight the curve is. The T-panels are then rendered in MDF and plywood so they cannot be seen.



T SHAPE PANEL MEASUREMENTS

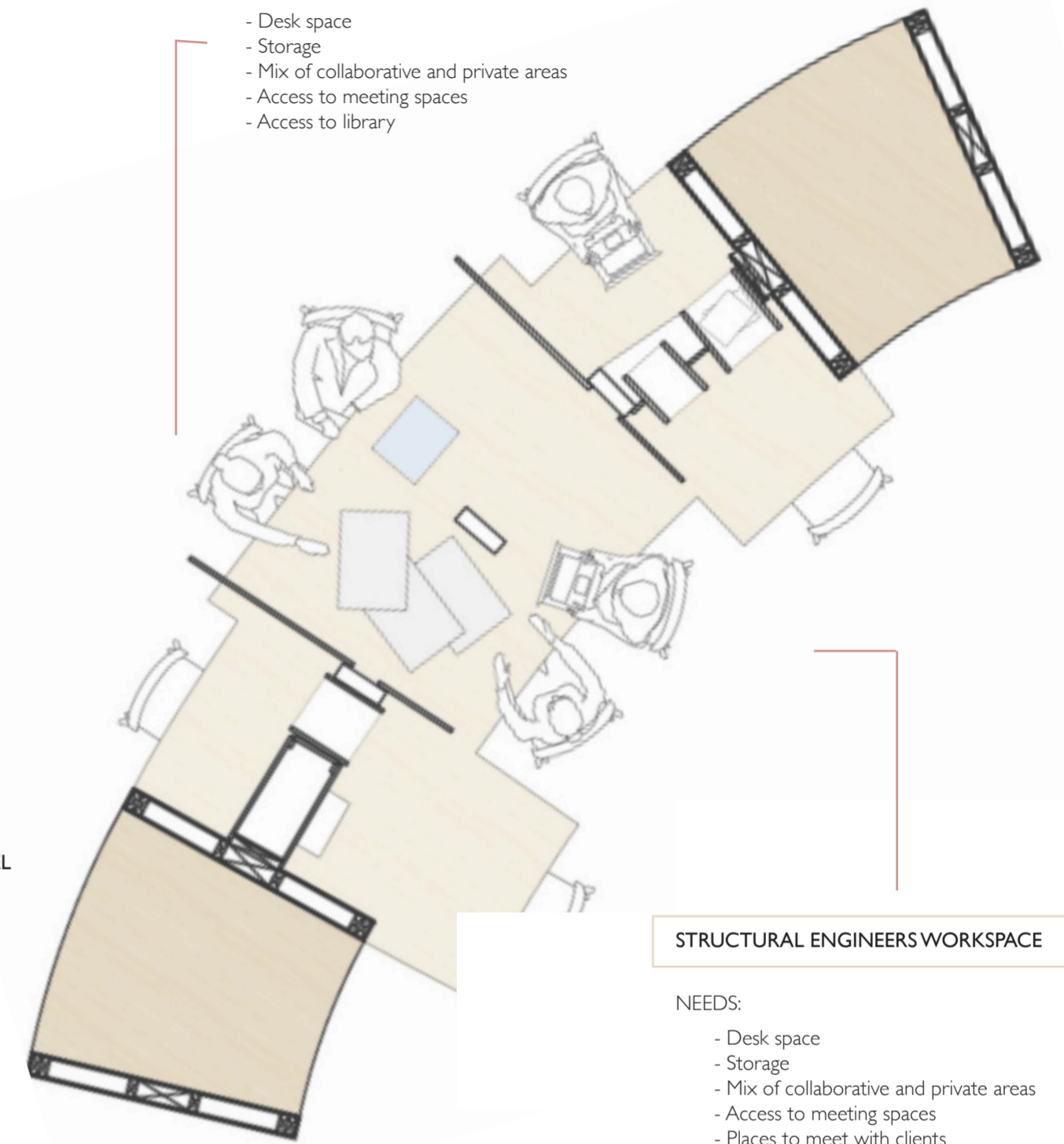


PHYSICAL SECTIONAL MODEL SCALE 1:10 SHOWING T PANEL

HISTORIANS WORKING SPACE

NEEDS:

- Desk space
- Storage
- Mix of collaborative and private areas
- Access to meeting spaces
- Access to library



STRUCTURAL ENGINEERS WORKSPACE

NEEDS:

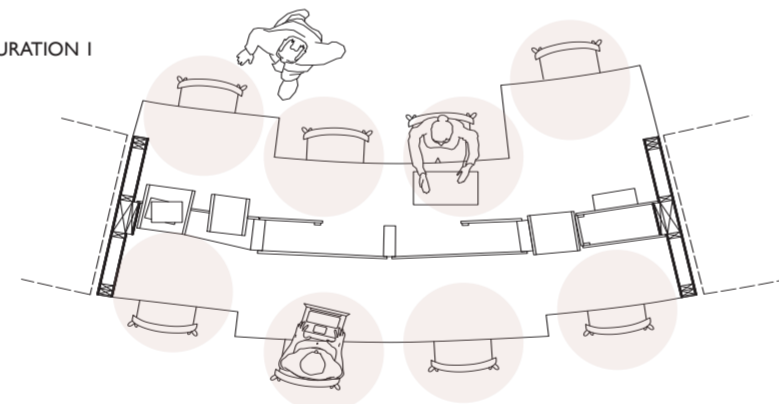
- Desk space
- Storage
- Mix of collaborative and private areas
- Access to meeting spaces
- Places to meet with clients

THE FURNITURE

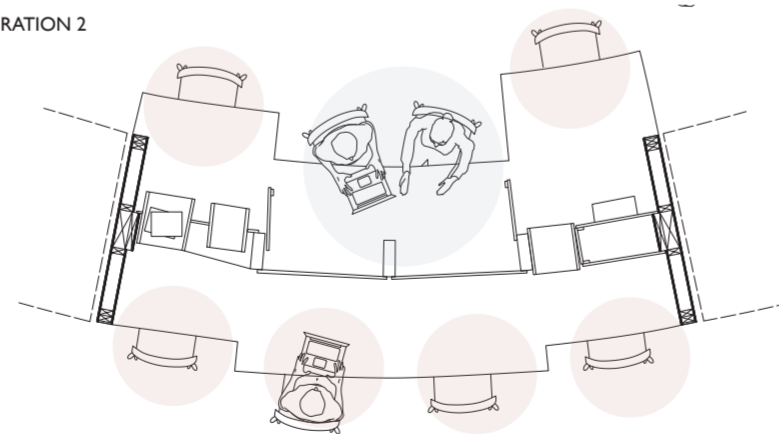
The furniture was developed to create a modular system of batons, openings and shelves. The furniture aims to blur the boundaries between the two workspaces by using cleverly placed boxes which when stood up, allow one to see to the other side, but when sat down, a more private realm can be entered. The system is modular in its design, but still allows for a wide variety of changes in configuration which would be changed by the user themselves depending on the situation and scenario.



CONFIGURATION 1



CONFIGURATION 2



CONFIGURATION 3

