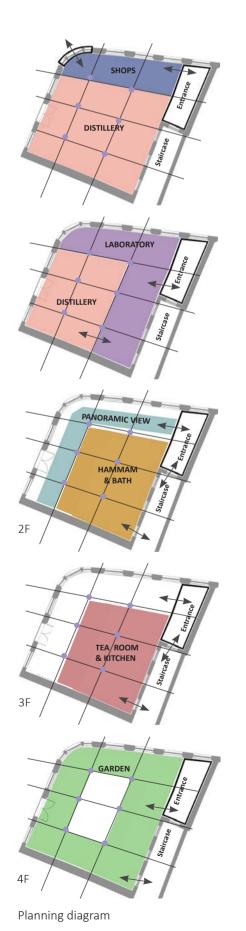
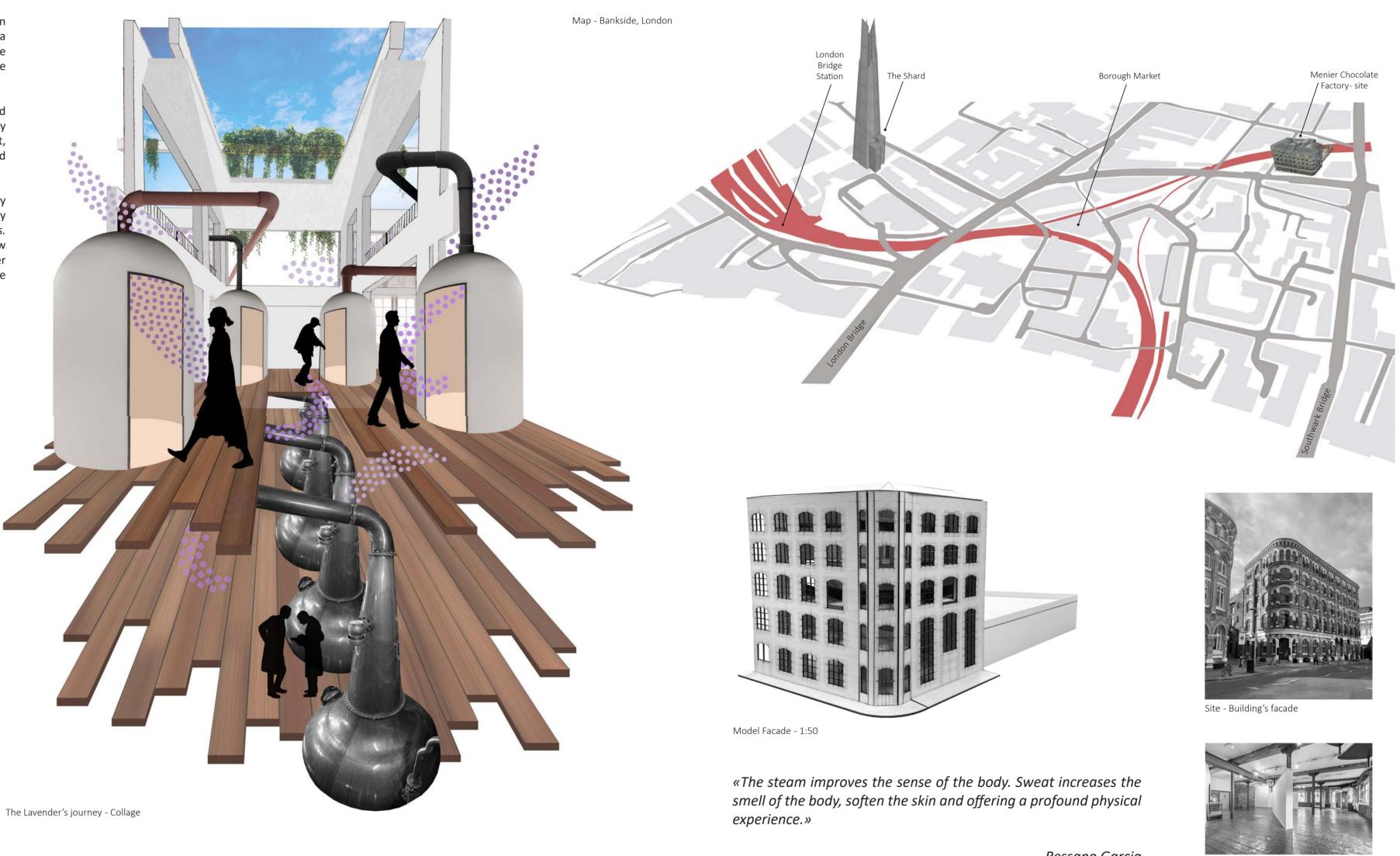
BREATHING CENTRE

The former Menier Chocolate Factory, located in Southwark in London, will be transform to become a well-being center, a place where people can escape the poor air quality of the city. Our goal is to improve people's health & breathing.

The center offers different hammams, shared steam rooms, inhaled with essentials oils. They can provide respiratory disinfection, decongestant, and psychological benefits. Patients will be treated according to their needs.

The process of making essential oils will be entirely home made in the distillery and careful use by professionals from the Royal Academy of Physicians. A gardens will be added to the building to grow plants and flowers useful for the hammams. After their inhalation, our patients can enjoy a baverage in our Tea room.





October

November

		January	February	March	April	May	June	July	August	September
	Orange Blossom									
and applicant	Lavender									
AND I	Daffodils									
(e)	Rose									

Harvesting seasons by flowers - diagram

December

Ressano Garcia

Menier Room - GF



Menier Room - 1F

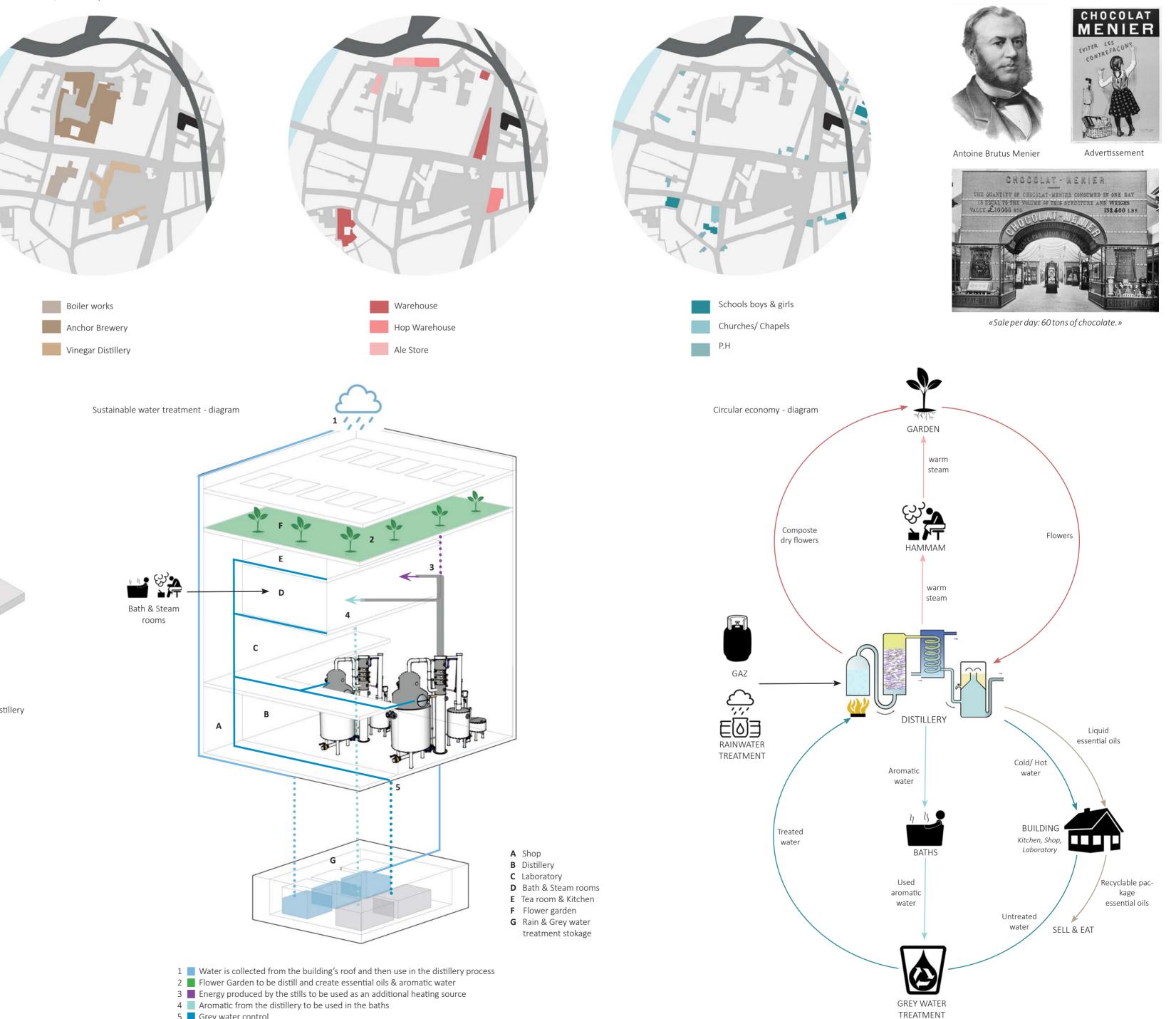
HISTORY

Menier Chocolate Factory was create by a french contractor, Antoine Brutus Menier, who has a diploma in the composition of pharmaceuticals. With his knowledge, he used chocolate to hill people. The factory stayed in Menier's family until 1971 which was acquired by Rowntree Mackintosh Confectionery.

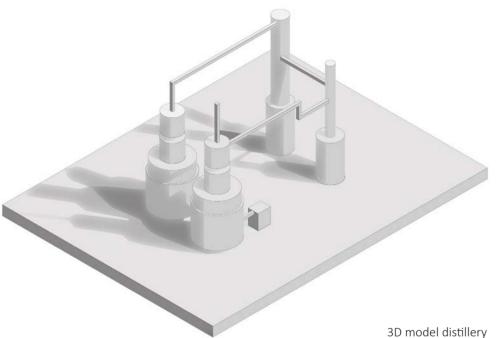
Knowing the chocolate was used as a medicine, I was interesting of what surrounding the building in 1870s. Bankside was the factory area. After unloaded the boats on the river Thames, the goods were distributed in the different buildings such as Anchor brewery or a vinegar distillery.



Map - Bankside in 1870s; an industry area



«Distilleries consumes up to 10-12 liters of water per hour and 37 liters to produce 1 liter of spirit.»



DISTILLERY

The building will have a rainwater and greywater treatments to avoid any waste. Each liters ofcollected water will be dispatched to heat the hammams and grow the plants.

Greywater treatment collects wastewater from washing machines, showers or baths. The water is disinfected by using ultra-violet light or special chemicals to eliminate dangerous bacterias.

Rainwater can be used but it may contain pollution, animal excrement and other particles which are harmful to humans, plants and animals. Thus, the water needs to be treated before use.

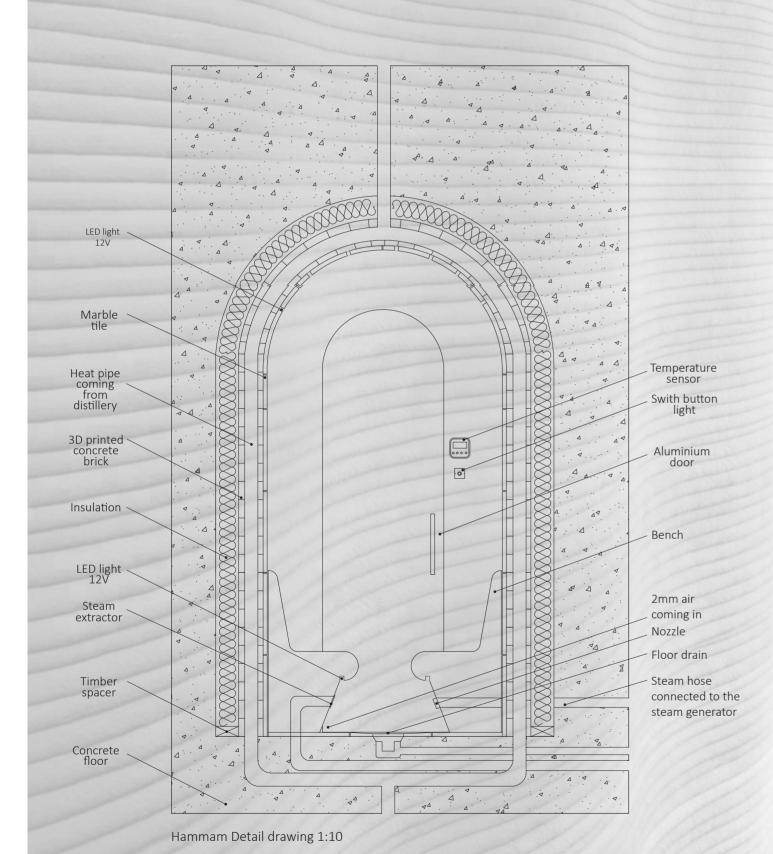
5 📕 Grey water control

HAMMAM DESIGN

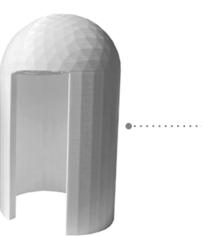
In Architecture and Interior Design, 3D printing is used for model making, creating complex shapes, prototypes and building components.

This digital fabrication process also promotes sustainable design through examples as 3D printed concrete which involves cement, fibres and other ingredients mixed in with water. 3D printed concrete is resistant to different stressors such as *heat, water and corrosive chemicals.* It can withstand temperatures up to 70 degrees.

3D printed components are precisely fabricated layer by layer. This is called additive manufacturing. Products can be manufactured a lot quicker than traditional methods. Complex forms can be designed in just a few hours using CAD.



Exploded axonometric hammam drawing

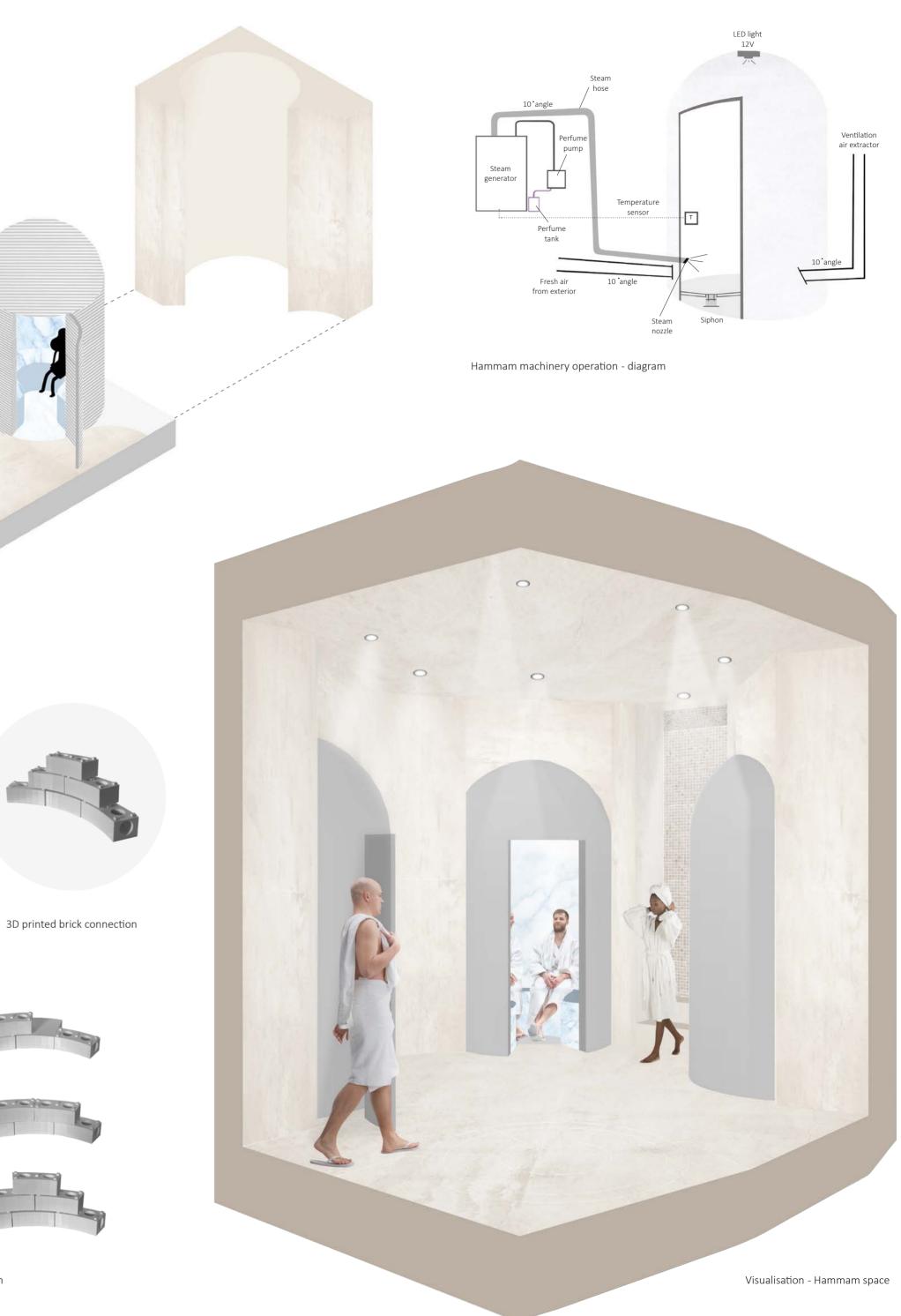


3D printed hammam



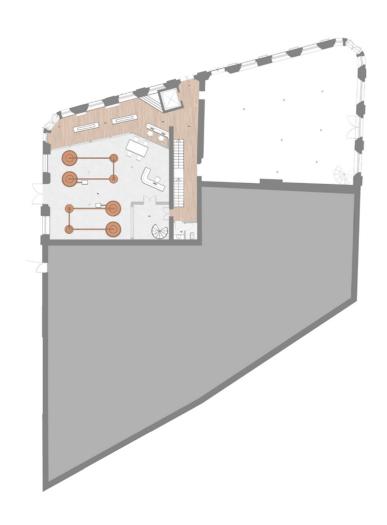
3D printed brick connection



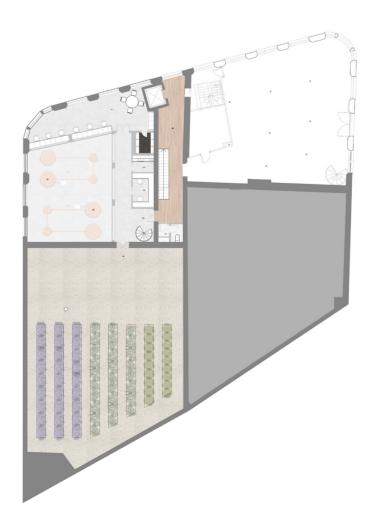


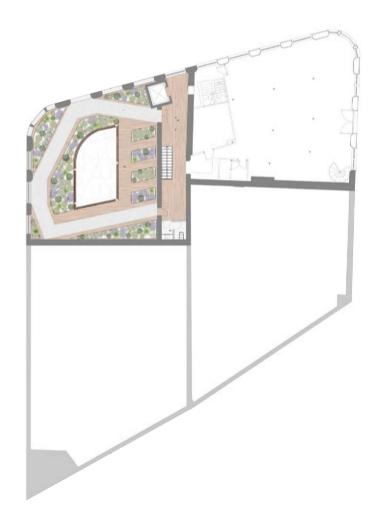






GROUND FLOOR PLAN



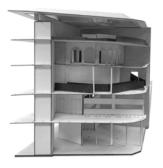


SECOND FLOOR PLAN

PROPOSED SPACES



Visualisation - Panoramic view



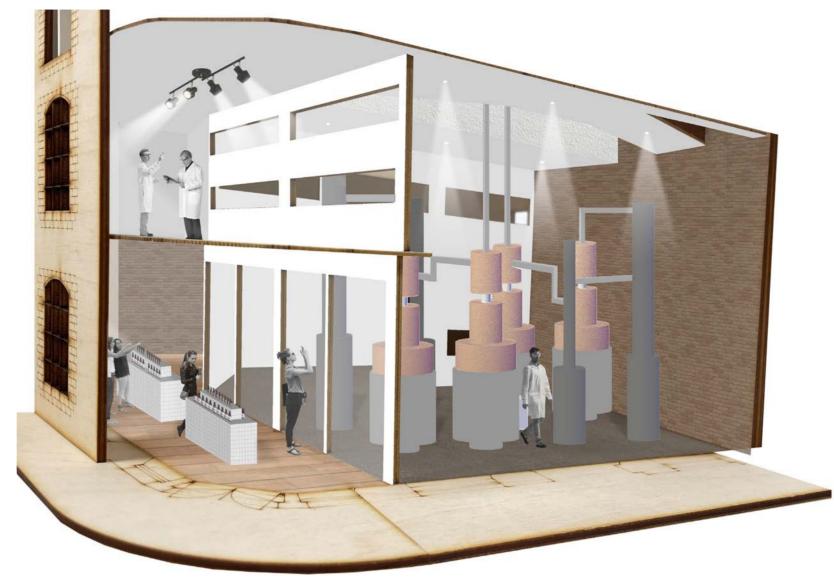






Model back view

Model side view



Visualisation - Entrance & distillery



Visualisation - Private garden

