

# SOLA RADHUS





SOLA RADHUS

We propose the new Rådhus as an open and accessible meeting ground for the citizens of Sola.

By distributing the required program into two new volumes connected through building D, we activate a credible pedestrian Rådhusgata to the east. The new volumes are contained within a major and minor structure. The major structure contains the main entrance from Rådhusgata, the central administration, the municipal rooms, and welfare offices; the minor volume contains the community development and technical offices, the cafe and canteen; while building D contains the health clinic, childcare, and child welfare. At level one, bridges connect building D to the east to the major structure and to the minor structure to the north.

The resulting complex allows for flexible, interactive spaces, which can evolve and be executed over time. The flexible internal arrangement of the different departments is achieved through a series of cascading and spiraling public plazas and stairs that puncture through each floor. Like the Spanish Steps in Rome, the spiraling stairs and plazas separate and connect the different departments, while also stimulating natural stack effect ventilation. Due to the pinwheel organization of this circulation, each floor-plate creates a different social identity and center of gravity. Structurally, this is resolved by introducing slanted timber columns that align in plan and section to form large-scale timber trusses. Organized as a cruciform in plan, these large-scale timber trusses eliminate the need for any load-bearing cores or fixed partitions. The floor-plates are composed of laminated timber panels, creating abundant thermal mass for passive heating and cooling. The floor-plates span and cantilever from the cruciform-shaped timber trusses to create an open and transparent perimeter enclosed by a wood curtain wall. By placing the secondary office circulation along the perimeter, a highly transparent and dynamic façade is activated and visible to the pedestrians below.

SOLA RADHUS

我們建議新的Rådhus作為Sola公民開放和方便的會議場所。

通過將所需的程序分配到通過建築物D連接的兩個新卷中，我們激活了一個可信的行人Rådhusgata向東。新卷包含在主要和次要結構中。主要結構包括從Rådhusgata的主入口、中央管理、市政房間和福利辦公室；次要卷包含社區發展和技術辦公室、咖啡館和食堂；而建築D包含健康診所、兒童保育和兒童福利。在一級，橋樑將建築物D連接到東部到主要結構和連接到北部的次要結構。

所得到的複合體允許靈活的交互空間，其可以隨著時間演進和執行。不同部門的靈活內部安排是通過一系列級聯和螺旋式的公共廣場和樓梯穿透每個樓層來實現的。像在羅馬的西班牙階梯，螺旋式樓梯和廣場分開和連接不同的部門，同時也刺激自然堆棧效應通風。由於該循環的風車組織，每個地板板產生不同的社會身份和重心。在結構上，這是通過引入傾斜的木柱，在計劃和部分對齊以形成大型木桁架解決。這些大型木桁架在計劃中組織為十字形，消除了對任何承重核心或固定隔板的需要。地板由層壓木板組成，為被動加熱和冷卻創造豐富的熱質量。地板板從十字形木材桁架跨越和懸臂以產生由木質幕牆包圍的開放和透明的周邊。通過沿著周邊佈置次級辦公室環境，高度透明和動態的外觀被激活並且對下面的行人可見。

PROJECT

Town hall, café, offices, auditorium, health clinic, archive

SIZE

8,570 m<sup>2</sup> (92,247 ft<sup>2</sup>)

LOCATION

Sola, Norway.

VALUE

\$13 million

KEY PERSON

Andrew Heid

TEAM

Maria Carriero, Yawen Jing, James Kubiniec, Jean Lien, Kirby Liu, Sophie Maquire, Jingyuan Yang, Daniel Zuvia

項目

大會堂·咖啡廳·辦公室·禮堂·健康診所·檔案

尺寸

8,570平方米 (92,247平方英尺)

位置

索拉·挪威。

值

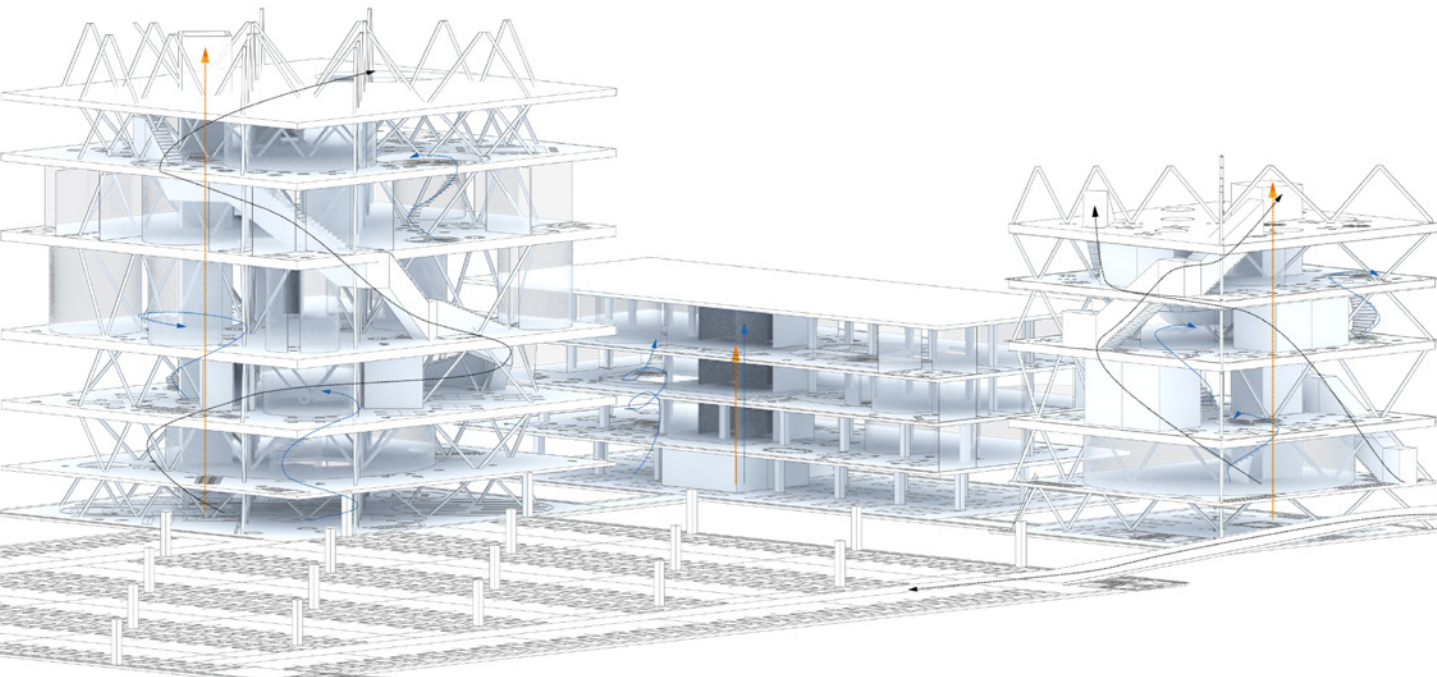
1300萬美元

關鍵人物

安德魯·海德

球隊

Maria Carriero · Yawen Jing · James Kubiniec · Jean Lien · Kirby Liu · Sophie Maquire · Jingyuan Yang · Daniel Zuvia



2

1. View main stair. 2. Circulation axonometric. 1. 往入口的看法。 2. 循環軸測。

IMAGE: NO ARCHITECTURE