

WHAT IF YOUR DAYS AND NIGHTS WERE REVERSED?

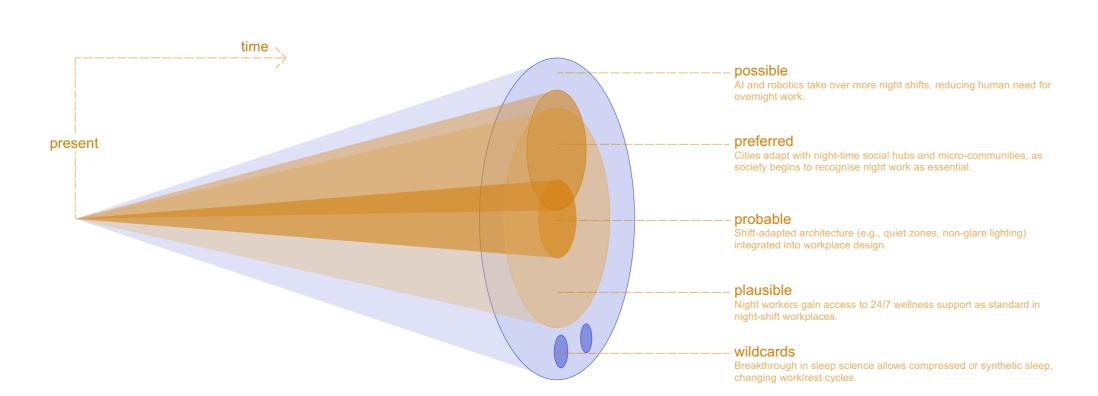
Solstice is a wellness hub set in the year 2030, designed specifically for night shift workers, an essential yet often overlooked part of society. Despite their growing presence across healthcare, logistics, and public services, night workers remain underserved by traditional infrastructure. Solstice addresses the three key aspects of life commonly neglected by this group: social, nutritional, and physical wellbeing. The space, open 24/7, allows individuals on similar schedules to connect and access targeted support, helping them maintain their natural rhythms. Light therapy supports circadian alignment and vitamin D production, counteracting the lack of sunlight often experienced by night workers.

THE CURRENT PROBLEM



FUTURE FORECAST

This future cone illustrates key forecasts surrounding night work. In the future, cities will ideally evolve to better accommodate night shift workers through thoughtful, inclusive design. **Solstice** responds to these projections by creating an environment tailored to the needs of night workers, addressing the challenges they face due to irregular shift patterns and limited access to supportive infrastructure.



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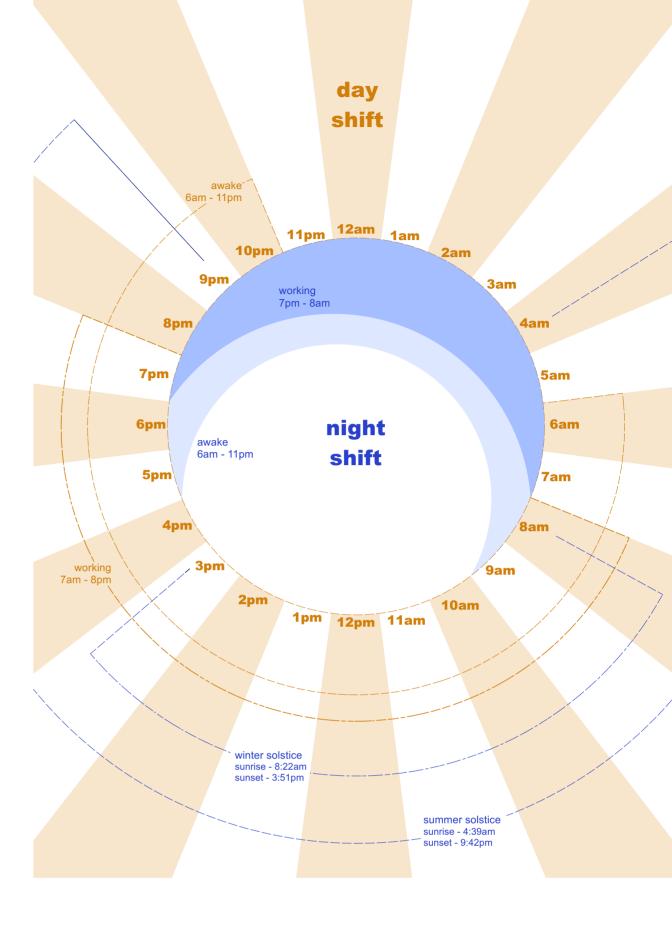
Sunlight – Limited exposure to natural light significantly impacts vitamin D production and disrupts circadian rhythms, especially during winter months.

Social Connection – Opposing schedules frequently lead to social isolation, making it challenging for night workers to connect with friends or family.

and wellbeing.

"We need night shift workers in the world, but there is nowhere that accommodates them." (Paddock, 2025)

Night shift workers currently face a range of negative health impacts, including disrupted sleep patterns, cardiovascular issues, and increased rates of depression and anxiety. Despite making up a significant portion of

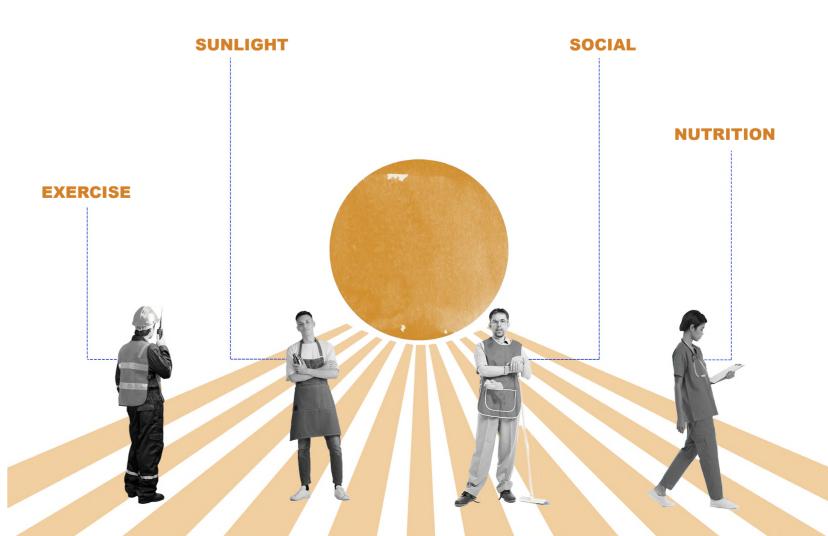


PROTAGONIST NEEDS

Drawing from both primary and secondary research, alongside future trend forecasting, the core needs of the space's protagonists, night shift workers, were identified. These

Exercise – Irregular sleep patterns and demanding schedules often make it difficult for night workers to maintain consistent fitness routines, with limited access to roundthe-clock exercise facilities.

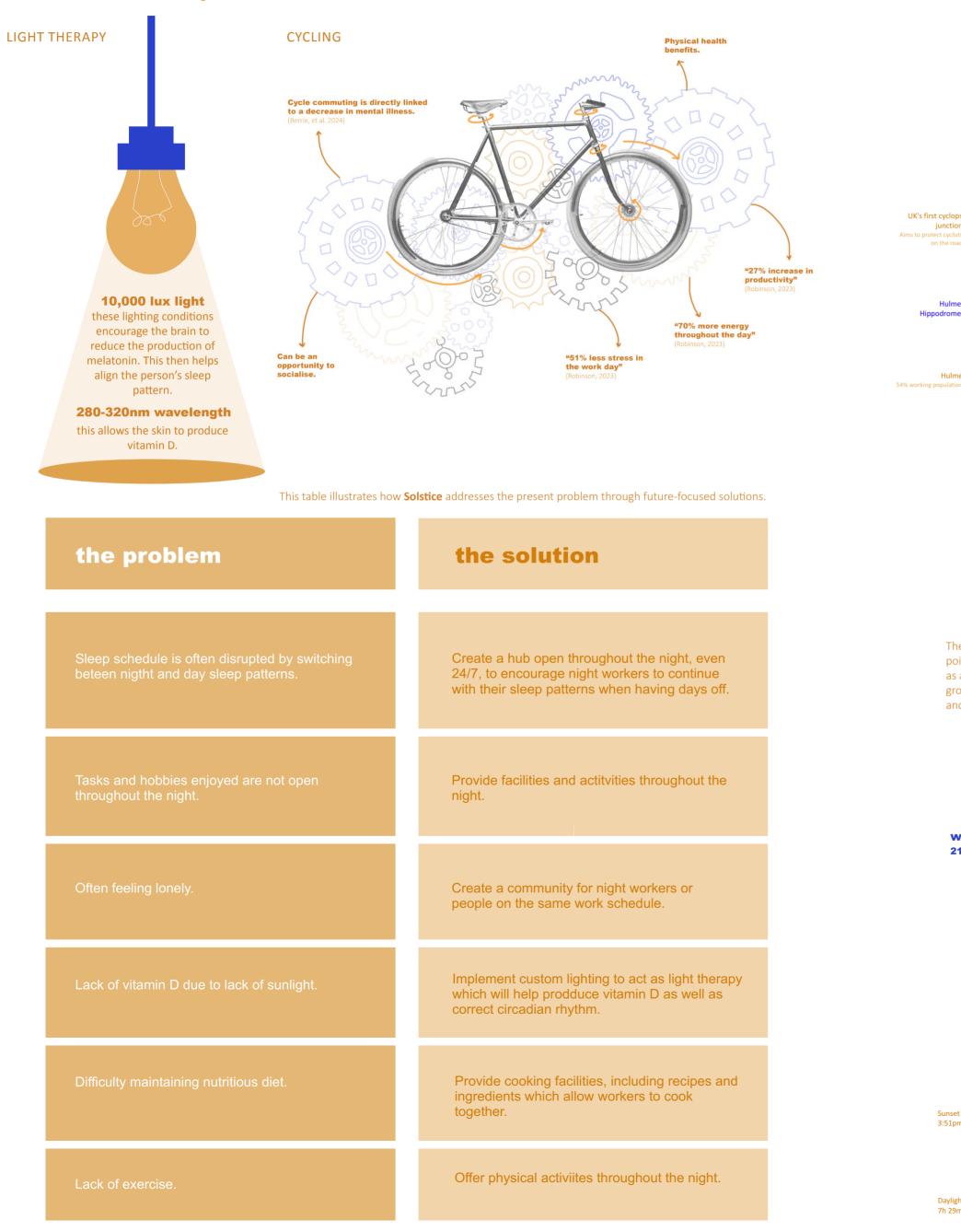
Nutrition – A lack of time, energy, or available options often results in skipped meals or poor dietary habits, impacting overall health



FUNCTION RATIONALE

Light, exercise, and social connection are key aspects that Solstice aims to enhance. The space addresses these needs through integrated light therapy to support vitamin D production and circadian rhythm alignment. Cycling is encouraged within the space, not only for its physical and mental health benefits but also as a means of fostering social interaction.

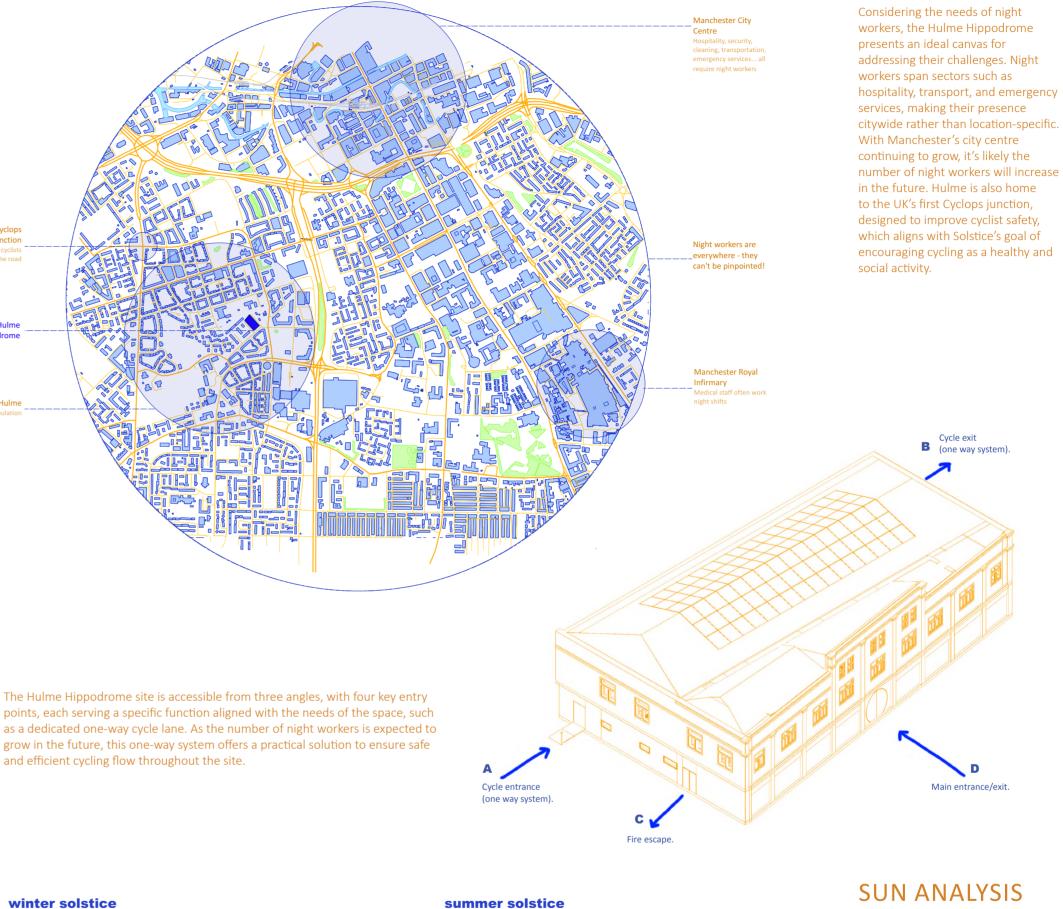
THE SITE HULME HIPPODROME



on the road

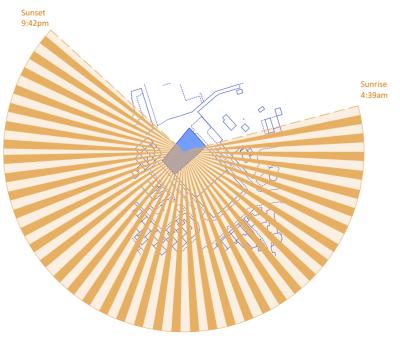
winter solstice 21st December 2025





These diagrams illustrate the sun paths at the Hulme Hippodrome during the longest and shortest days of the year. Given the importance of natural light, it is crucial to maximise sunlight exposure across the site. These insights directly inform the design, guiding window placement, spatial orientation, and material selection, to create brighter, healthier environments that support circadian rhythms and enhance overall wellbeing for users. As the number of night workers continue to rise, these design interventions will remain relevant, offering long-term benefits that promote sustainable health and comfort in a future increasingly shaped by non-traditional working hours.

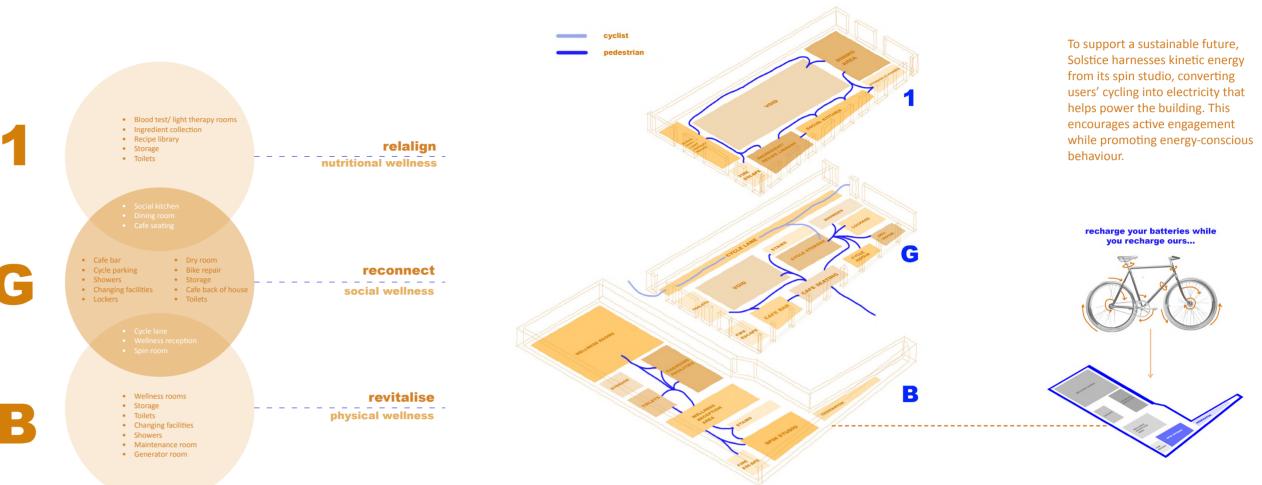
21st June 2025



Daylight duration 17h 3m



DESIGN DEVELOPMENT



Solstice responds to the cycle of a night worker, as such the design concept is derived from this. Cycles are reflected through the design of the space using curved shapes, repeating forms as well as designing to encourage cyclical paths and

Conceptual visuals, developed through physical modelling, explore how these cyclical forms translate into the design of **Solstice**, creating a space that not only reflects current needs but also anticipates the evolving lifestyle of future night

DESIGN CONCEPT



reconnect large inviting thresholds to connect different spaces.



revitalise illuminating simple structures and shapes to bring new life.

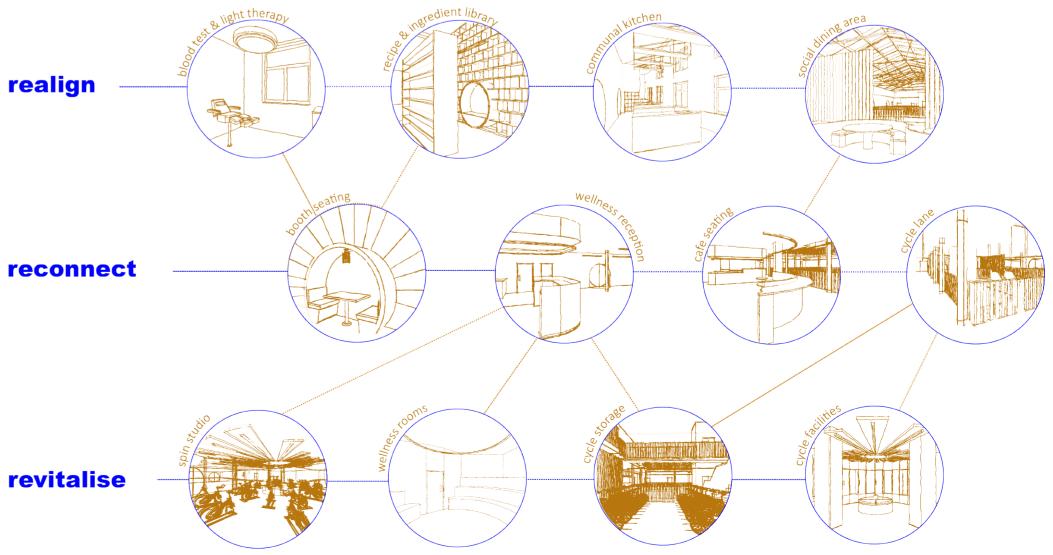


realign repeating forms to reinforce patterns and behavior.

The schedule of accommodation was developed to reflect the evolving needs of night workers and translated into zonal plans that incorporate both cycle paths and cyclical pedestrian routes. These layouts encourage seamless movement, echoing the project's core concept of cycles and repetition. Organised across three floors, each level is anchored by a key theme, social, nutritional, and physical wellbeing.

Protagonist journeys map how users engage with and move between these overlapping zones, illustrating a cohesive and interconnected experience. Designed with future adaptability in mind, the layout ensures that as night work becomes more prevalent, the space remains relevant, flexible, and supportive.

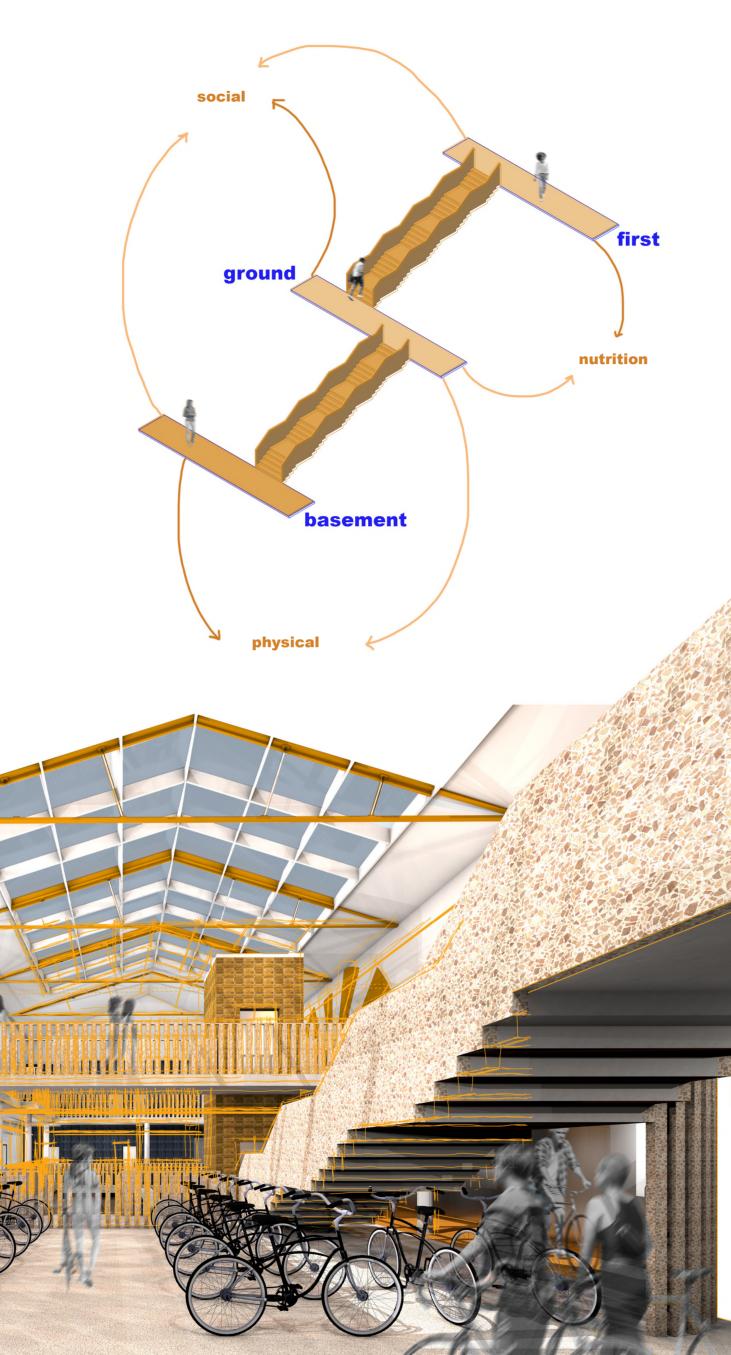
Solstice is designed with scalability in mind. Its core concept and functions can be replicated and implemented across the country, extending its impact to support even more night workers in the future, ensuring long-term relevance as the demand for night-time infrastructure continues to grow.

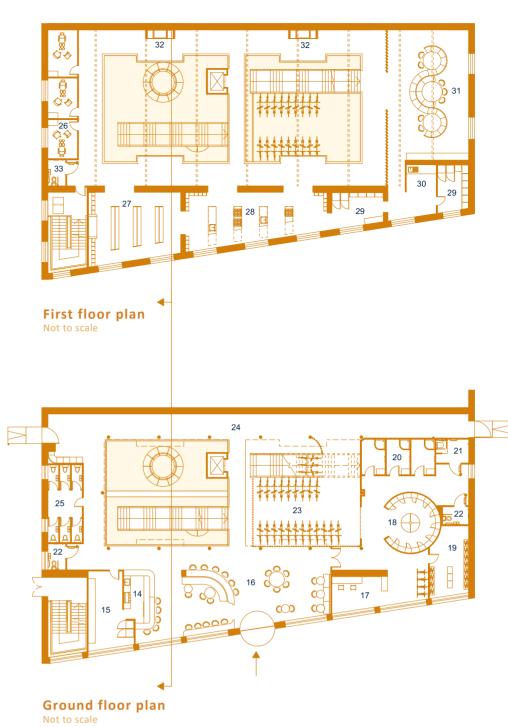


STAIR DESIGN

The linear stair design seamlessly connects the three key focal aspects; physical, social and nutritional wellness, through the central voids. These voids not only anchor the circulation but also foster a strong sense of connection between levels, allowing people to visually and spatially engage with each other throughout the building.

Designed with future behaviours in mind, the linear stair design weaving through the central voids subtly encourages accidental exercise, an increasingly important consideration as daily life becomes more sedentary. The extra-wide stairs are carefully planned to reduce collisions and support smooth circulation throughout the building, making Solstice adaptable, accessible, and aligned for future users.





realign

nutritional wellness.

Кеу

- 26 Blood Test / Light Therapy Rooms
- 27 Recipe and Ingredient Library28 Social Kitchen
- 29 Storage30 Pot Wash Station
- 31 Social Dining
- 32 Booth Seating
- 33 Accessible Toilet

reconnect social wellness.

- Key 14 Cafe Bar
- 15 Prep and Storage
- 16 Seating 17 Bike Repair Shop
- 18 Lockers 19 - Dry Room
- 20 Shower Facilities
- 21 Accessible Shower22 Accessible Toilet
- 23 Cycle Parking 24 - Cycle Lane
- 25 Toilets

revitalise

physical wellness.

Key 01 - Welcome Desk

- 02 Spin Studio
- 03 Changing Facilities 04 Accessible Changing
- 05 Toilets 06 - Sauna
- 07 Steam Room
- 08 Ice Bath
- 09 Cold Room 10 - Hydrotherapy Pool
- 11 Showers
- 12 Facility Maintenance 13 - Storage



Basement plan Not to scale





Section

Кеу 01 - Recipe & Ingredient Library

02 - Blood test/ Light therapy rooms 03 - Cafe bar

04 - Cycle lane 05 - Spin studio 06 - Wellness reception 07 - Changing facilities 08 - Sauna 09 - Showers

10 - Hydrotherapy pool



flythrough

Scan the QR code to view a 3D flythrough of the space, an engaging way to experience its flow and see how it meets the needs of its future users.