To create a dynamic and sustainable environment, NUS has implemented several strategies aimed at optimising land use, enhancing planning flexibility, and improving landscape integration. These strategies collectively aim to balance land intensification with livability, support cross-disciplinary interactions, and foster a vibrant campus community.

Landscape Optimisation Strategies

To enhance the campus environment, NUS has developed several strategies focused on optimising green spaces:

Increase Green Space

To ensure more green space per inhabitant, enhancing leftover landscape areas to play a more productive role. This aligns with the "Campus in a Forest" concept and broader urban greenery guidelines.

Accessible Green Space

Emphasises the importance of having a variety of green spaces close to the central areas of each Place (excluding the Ridge). These spaces should support various activities, from social gatherings to sports and relaxation, ensuring they are easily accessible and contribute to a vibrant campus life.

Connecting Beyond Campus

To integrate campus green spaces with surrounding public parks, creating a seamless green corridor that links different parts of Singapore. This extends the benefits of green spaces beyond the campus boundaries.

Flexible Planning Strategies

Given the rapid pace of urban development and the increasing unpredictability of long-term scenarios, NUS has adopted flexible planning strategies to ensure adaptability and resilience:

Limit Capital Investment

Reduce capital investments in specific areas, focusing on enhancing existing facilities rather than extensive new developments.

Flexible Building Design

Design buildings with flexible parameters to accommodate changes in programs without requiring costly retrofits. This includes higher floor-to-floor heights and wider column-to-column widths for versatile use.

Alignment with Broader Vision

Ensure that development plans align with broader urban development visions, particularly for key plots of land.

Avoid Prescriptive Solution

Move away from specific solutions based on individual faculty needs. Instead, focus on universal issues like proximity, connectivity, and general liveability, ensuring a vibrant and community-centric campus environment.

SPACE ADAPTATION

Flexible Planning Strategies

Strategic Hazard Zoning

Zone and consolidate areas that require special infrastructural provisions, such as buildings with wet laboratories, to manage costs and safety effectively

Structural Resilience

Design buildings for resilience, allowing for future re-purposing without significant costs. Incorporate flexible spaces in new buildings to facilitate easy re-adaptation for evolving needs.

Land Use Optimisation Strategies

To create a dynamic and sustainable environment at NUS, several land use optimisation strategies have been developed to balance land intensification with livability and support cross-disciplinary interactions.

Proposed Places are close to the Ridge

Optimising each Place to ensures uniform land use and maintains livability across the campus. The Ridge is excluded from this requirement due to its significance as a green heritage asset.

Provision for Common Uses

To keep the campus lively and active after work hours, at least 10% of the total Gross Floor Area (GFA) in each place is dedicated to social uses. This encourages a vibrant atmosphere and promotes interaction across different disciplines.

Provide space for Research-Industry Co-location

Allocating a portion of the GFA to research-industry partnerships supports the University's vision of enhancing collaboration between academia and industry, inspired by the successful model in UTown.

Improve Campus Vibrancy

A minimum amount of commercial space is recommended to provide essential amenities and improve campus vibrancy, drawing from benchmarks at other local educational institutions.

Land Density Variations

The strategy for area allocation involves distributing space across different land uses to optimize and maintain a livable campus in alignment with the University's long-term vision.

Protect Interface Points with Adjacent Partners

Identifying and safeguarding sites that improve connections with adjacent areas ensures the campus integrates well with surrounding communities, enhancing connectivity