

2<sup>nd</sup> prize, Topic 1 Tertiary Category

## A Changi Point of View

### **Team members:**

Nara Surattee            Ian Chng  
Sean Lee                 Lawrence Xi  
(University College London)

### **Participants' Write Up:**

This submission seeks to retain the tranquility of Changi Point while introducing new recreation opportunities with the potential to support an ageing population and a budding creative community. It envisages Changi Point as an inclusive leisure spot featuring three zones, anchored by a sports and recreation centre, arts and heritage centre and a retirement village through adaptive reuse of heritage buildings. A hiking and mountain biking route is proposed as a North-South connection through the site leveraging on existing terrain, as well as allowing for interaction between the visitors and the community as the route goes through shared gardening plots. There is also a waterfront promenade and a seaport shed proposed for coastal activities.

### **Jury Citation:**

The jury commended this submission for its respect for the terrain and intelligent reuse of existing buildings, as well as attention given to cyclists. This submission provided a range of attractive ideas without the need for excessive physical interventions to the area. Further exploration on harnessing the natural heritage of the area would have complemented the scheme.

# A CHANGI POINT OF VIEW

Changi Point Ideas Competition  
Topic 1: Concept Masterplan for Changi Point  
Tertiary Category

## RUSTIC | INCLUSIVE | FUN

### | CONTEXT & ANALYSIS

Situated in Singapore's Northeastern Coast, Changi Point contains countless historical and heritage landmarks such as the Old Changi Hospital, British colonial-era army barracks and coastal artillery guns. The uses of this site has evolved over the years from, a British army camp to the recreation and leisure spot today, providing peace and tranquility to those wishing to escape the hustle and bustle of city life.

Moving forward, several opportunities exist to retain the special tranquility this area possesses, while introducing new recreation opportunities. Moreover, the site has great potential to support Singapore's aging population, as well as the country's budding creative community.



### | CONCEPT PLAN

Bringing creatives, the adventurous and the elderly together



- LEGEND**
- Walking Trails
  - Hiking and mountainbiking Trails
  - Cycle Paths
  - Autonomous Vehicle (AV) Route
  - Public Square and Activity Area
  - Sports & Recreation Centre
  - Community Sporting Green
  - Welfare Centre
  - Arts & Heritage Centre
  - Retirement Villas

### | MASTERPLAN



- LEGEND**
- Flexible-use Chalets
  - Retirement Village
  - Sport & Recreation Centre
  - Welcome Centre
  - Old Changi Hospital & Netheravon Chalets

Built form and natural environment of the area will be respected to retain the rustic nature of Changi Points, with the following noted exceptions - construction of three activity squares and an expansion of the existing retirement village. These additions will be made with minimum impact to the surrounding areas, respecting existing architectural styles and existing trees on the site.

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### | ENTRY POINTS

#### LOYANG ROAD ENTRANCE SQUARE

Located along Loyang Road, this square serves as the starting point for hikers and mountain bikers wishing to make their way into Changi Point.



#### Design Elements:

##### Terraced Wooden Steps

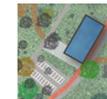
respect existing terrain and trees while providing a gradual transition from the AV Stop along busy Loyang Road to the forested, wooded areas of Changi Point. Local flora and fauna will also be planted around existing trees to attract biodiversity to the area. These steps mark the beginning of the hiking and mountain biking trail that leads to the welcome centre.

##### Flexible Square

proximity of this square to the retirement village opens up opportunities for the place to be utilised as an exercise and events venue. The square can also double up as an outdoor performance area, using the gazebo situated on the north as a stage.

#### WELCOME CENTRE

Gateway to all things Changi Point, this centre provides necessary information of the place and easy access to all the facilities within the area, owing to its central location.



#### Design Elements:

##### Respectful Design

Building incorporates iconic red-white colour palette of the original barracks. The gable roof, large open terraces and ornamental stone balcony fence are reminiscent of those in the original design.

To allow the welcome centre to stand out, larger windows and open entrances are adopted to maximise light and make the building a welcoming place. Wood trimmings on the edges of the building, coupled with planter boxes that line the terraces help the building blend in with the surrounding greenery.

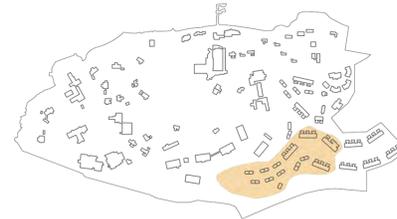
##### Integrated AV Stop

The building will also be integrated with an Autonomous Vehicle (AV) stop, enabling ease of access.



### | HILLSIDE RETIREMENT ESTATE

An estate definitive of a new Changi Point, seamlessly recreational and liveable



#### Repurposing Bungalows

The series of conserved bungalows along Halton Road and Uphavon Road present a unique opportunity to house a residential community that is intrinsic to the ecosystem of redeveloped Changi Point.

#### Communal Infrastructure

Along the perimeters of the bungalows, there will be established communal infrastructure such as shared plots for gardening and benches and tables for outdoor sitting and recreation. These are meant as recreation for residents but also have a shared function that will act as a soft boundary between the estate and the surrounding land that is open to the public and will see passer-bys from the hiking trail or the surrounding amenities. These functions are crucial and create opportunities for interaction between the community and visitors.



The Bungalows which acted as Married Soldiers' Quarters and now houses private residences will be converted to a retirement housing estate targeting those over 60 and subsume the Orange Valley Nursing Home on Biggin Hill Road into its boundaries. The estate will comprise refurbished conserved bungalows and additional new builds that will be aesthetically cohesive with their older counterparts and located westwards towards Cranwell Road and Hendon Road.

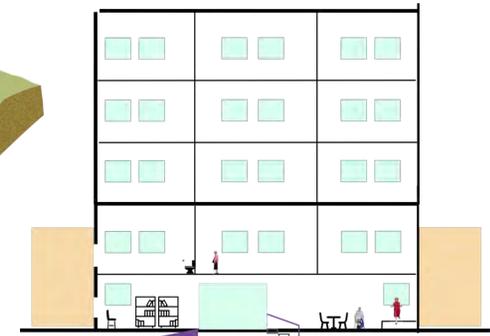
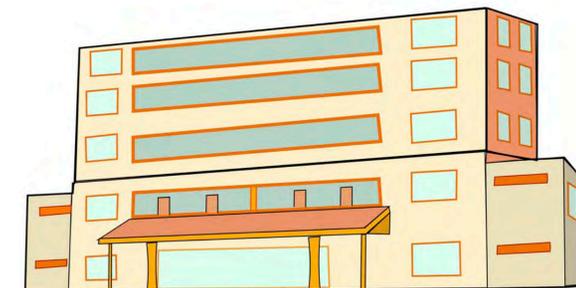


#### Design Elements:



The estate will comprise refurbished conserved bungalows and additional new builds that will be aesthetically cohesive with their older counterparts and located westwards towards Cranwell Road and Hendon Road.

These new builds will take on a higher density typology, having 3 additional floors than the traditional colonial bungalows from which they take their design reference.



Buildings designed to be inclusive to most levels of dependency of its residents and include features like, wheelchair access, handrails and emergency alert systems in the housing units.

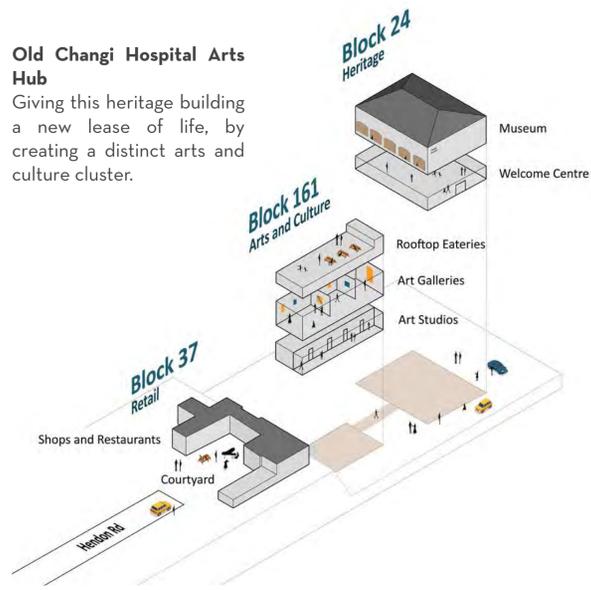
Amenities will be designed with an emphasis of communal living that provide opportunities for interaction and joined recreation outside private units. Within the bungalows, these will take the form of gym & recreation studios, function rooms, and study rooms that are equipped with digital infrastructure.

# OLD CHANGI HOSPITAL & NETHERAVON CHALETs

Reinvigorating a forgotten historical icon

## Old Changi Hospital Arts Hub

Giving this heritage building a new lease of life, by creating a distinct arts and culture cluster.



### Block 37 Courtyard

The Southern Entrance to the venue is marked by the open courtyard, with alfresco dining options and seating areas for visitors.



### Block 161 Studios

Art Studio spaces provide launchpads for budding artists and art therapy classes. Artistic works can then be displayed in the gallery floors above.



### Block 24 Museum

A museum dedicated to the history of Changi Point and Changi Village: kampung settlements, British military links and war-time history.

### Netheravon Lifestyle Centre

Repurposing chalets to small commercial units offering health and wellness services. This provides complementary amenities to nearby sports activities and supports the nearby retirement estate.



# FORMER SIA TRAINING CENTRE

Establishing a performing arts hub within the heart of Changi Point



We will rejuvenate the existing site to support local performing arts, creative professionals and recreation - taking note to retain existing architectural elements & 'heritage' of this historic site.

The existing tennis courts will be transformed to flexible open courts for various sports, while the swimming pool will be extended for visitors to lounge by the poolside.



### Amphitheatre

Converting existing SIA Main Hall into a performing arts space open to the public to enjoy - flexible configuration allows it to double as lecture theatre where needed.



### Swimming Pool

Paying homage to the original swimming pool, this upgraded facility allows visitors to have fun, while enjoying drinks at the swim-up bar.



### Outdoor Climbing Wall

Original wall most visitors would first see has been converted to support outdoor sports & recreation, value-adding to the facility.



### Studio/Collaborative Spaces

At its core, the redeveloped site will support local artists & creatives through having low-cost studio spaces for them to connect, socialise & network.

# THE WATERFRONT

Maximising Changi Point's greatest geographical asset



### Waterfront Promenade

A new activity node draws visitors to the waterfront, with restaurants and seating areas that provide a platform for events, lively gatherings and placemaking activities.

### Open Field

A flexible-use space where sports activities and large events can be held at.

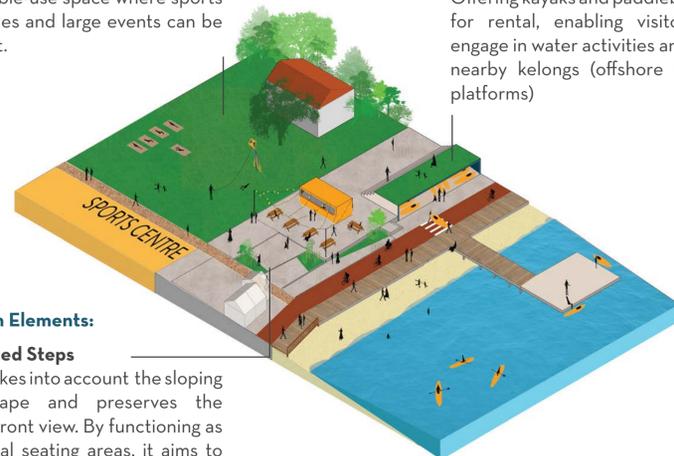
### Water Sports Shed

Offering kayaks and paddleboards for rental, enabling visitors to engage in water activities and visit nearby kelongs (offshore fishing platforms)

### Design Elements:

#### Terraced Steps

This takes into account the sloping landscape and preserves the waterfront view. By functioning as informal seating areas, it aims to create a playful use of levels for users of the space.

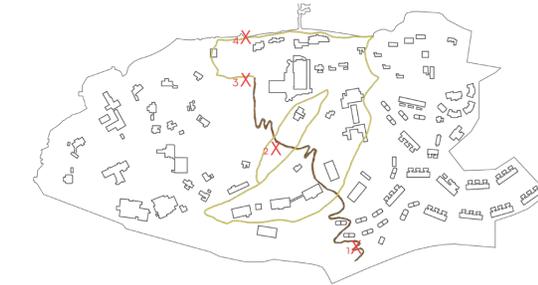


### Integrated Boardwalk

Preserving the rustic wooden planks on the Changi Point Coastal Walk, whilst incorporating bicycle lanes for cyclists to enjoy the scenery as well. A small jetty is proposed as a launch point for water sports activities

# CHANGI TRACK

A hiking and mountain biking route that offers varied perspectives of Changi Point



Changi Track is a hiking and mountain biking route that acts as a North-South connection for the site. The gravel path that demarcates the trail intersects at several points with our proposed walking routes. Together, journeys through it no matter by what mode allows user to witness the variety Changi Point has to offer, from thick forested areas, beautiful Colonial architecture, and the picturesque Changi Boardwalk. It will be a recreational feature that has the benefit of easing mobility between the site's proposed recreational amenities.

### 1 Southern Trail Head

The trail winds through the proposed Hillside Retirement Estate and surrounding Colonial bungalows and chalets. Here, visitors will be able to appreciate the historical architecture and learn about their histories through the placement of information stands where the trail meets the bungalows.



### 2 Tree Hunt & Welcome Centre

Trail is facilitated by a Heritage Tree Hunt where visitors at Turnhouse Welcome Centre will be informed of the series of Heritage Trees that the trail has to offer. Visitors will be encouraged to keep an eye out for these as the experience a breath of flora and fauna amidst Changi Point's varied ecosystem.

### 3 Northern Trail Head

Trail heads are marked clearly to enable visitors to easily identify where they start and end



### 4 Wider Connections

The route can also be used as a scenic route on the way to experience other amenities. Connecting to the walking route, joins the trail to other amenities including the New Changi hospital, Netheravon Chalets, Sports Centre and finally the Integrated Changi Boardwalk.

# TRANSPORTATION

An ideal test bed for AV technology providing seamless connectivity



**LEGEND**  
 One-way Road  
 AV Stop

Low-traffic conditions of the roads positions Changi Point as an excellent place to test autonomous vehicle (AV) technology, connecting visitors from the future Loyang MRT station to the entire site.

To free up space for cyclists and pedestrians, a number of roads will be converted into one-way roads.