

the island and the Island

a measure of time

context: thesis studio (2012)
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keywords: island, time, anxiety,
apparatus, system,
out-of-step

an island within an Island.

An island that seems comparatively

inefficient yet is

efficient on its own scale of time and space.

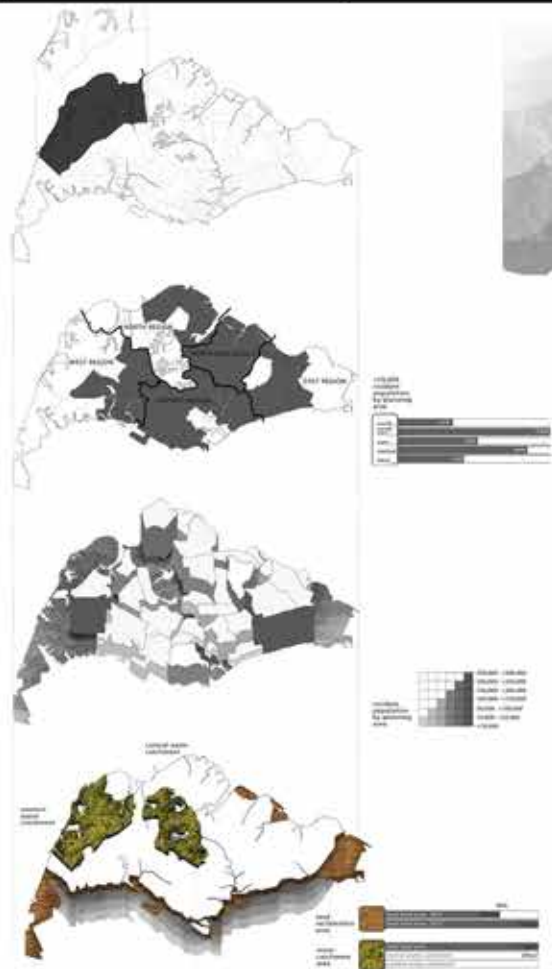
An island that is slow, where waiting is apparent, where the passing of time is measured
in its own terms



singapore,
from 'island at the end of the
peninsula

to 'island state'
island anxiety

anxiety for survival, progress,
what the island will become =
accelerated sense of time,



a moment of anguish
and singapore became an island-state
a little red dot



song villa utama (unknown)
sir stanford raffles (1819)
japanese imperial army (1942)
separation (1965)

sungei balah wetland reserve

... Preserved remnant of the Singapore River, the Sungei Balah Wetland Reserve is a 100-hectare area of mangrove forest...

agriculture

... The island's agricultural history is a testament to the resilience of its people and the rich soil of the island...

lim chu kang jetty

... The jetty is a vital link between the island and the mainland, providing a vital lifeline for the island's residents...

Military grounds

... Military grounds are a significant part of the island's landscape, reflecting its history as a strategic location...

choo chu kang cemetery

... The cemetery is a peaceful resting place for many of the island's residents, reflecting the island's rich cultural heritage...

searibun recycling park
(formerly lim chu kang dumping ground)

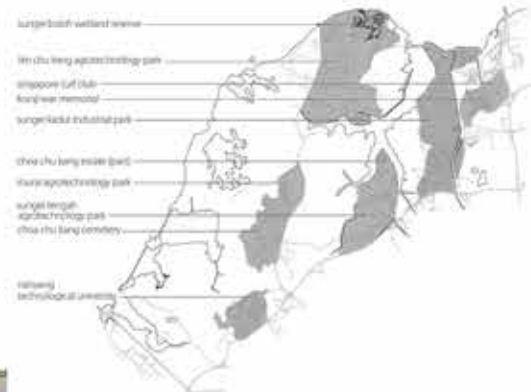
... The recycling park is a testament to the island's commitment to sustainable development and environmental protection...

site at Lim Chu Kang

isolated by circumstance

surrounded by large tracts of military land, exists mainly as agriculture
land, bounded by largest mangrove reserve

the 'Singapore, east, left behind'
at a matter of convenience, left to follow, deliberately.



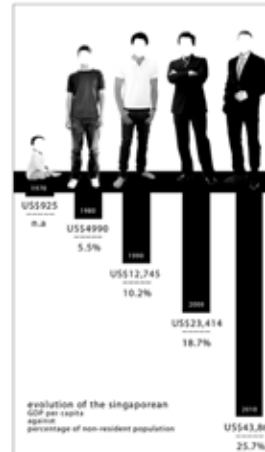
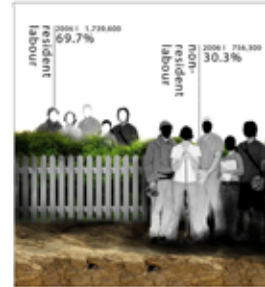
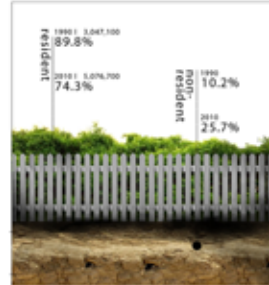
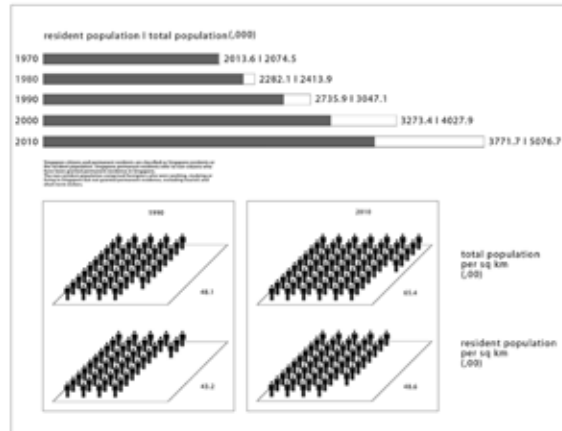
with its own sense
of time and
space what the main
island does not
cannot
afford
to have



situation:

island mentality

... notion of isolated communities perceiving themselves as superior or exceptional to the rest of the world.
... does not directly refer to a geographically confined society, but to the cultural, moral, or ideological superiority of a community holding social opinions.
Island mentality can be characterized by narrow-mindedness, ignorance, or outright hostility towards any entities originating from outside of the geographic area inhabited by the society



time here is measured not based on the typical
24 hours a day,
7 days a week,
4 weeks a month schedule.

time here is measured by
a sense of waiting,
a sense of anticipation,
 where everything is dependent on the
 agricultural produce's own cyclic processes.

It has its own schedule
 and everyone's activities revolve around it.

when viewed against
 the rest of the Island
 what does the metaphorical island
 of lim chu kang represent

area of Singapore's
Agrotechnology Parks
1465,000sqm

area of Lim Chu Kang
Agrotechnology Park
700,000sqm

area of site
67,000sqm

area of serviceable sites
487,000sqm



the thesis proposed is an apparatus
with which to dissect and
make visible the island's
version of time.

the thesis proposes an
infrastructural network
set up around a hypothetical
planting schedule of a vegetable farm,
working with the
process of composting
to set up
a system of time
independent of atypical calendar days

time measured is dependent on the
propagation,
growth
and harvest of several crop cycles
intermittently spread out across the site.

this is made apparent by the collection of
residual harvested organic material on site and the
surroundings for the composting
process.

this is a process whereby energy is culled from biogas produced by aerobic
decomposition of organic plant matter and this allows for the introduction of
several dependent ancillary programmes that would allow for an alien
population to be introduced to this landscape running on

its own version of time.

the composting process in the context of the
entire set-up on the site is the one 'event' that
highlights the time schedule of the crop cycles.
And it is also what allows for the project to act

as a condenser,

to bring together larger site processes
and a visitor
population,

acting as a focal point for the
larger island of Lim Chu Kang



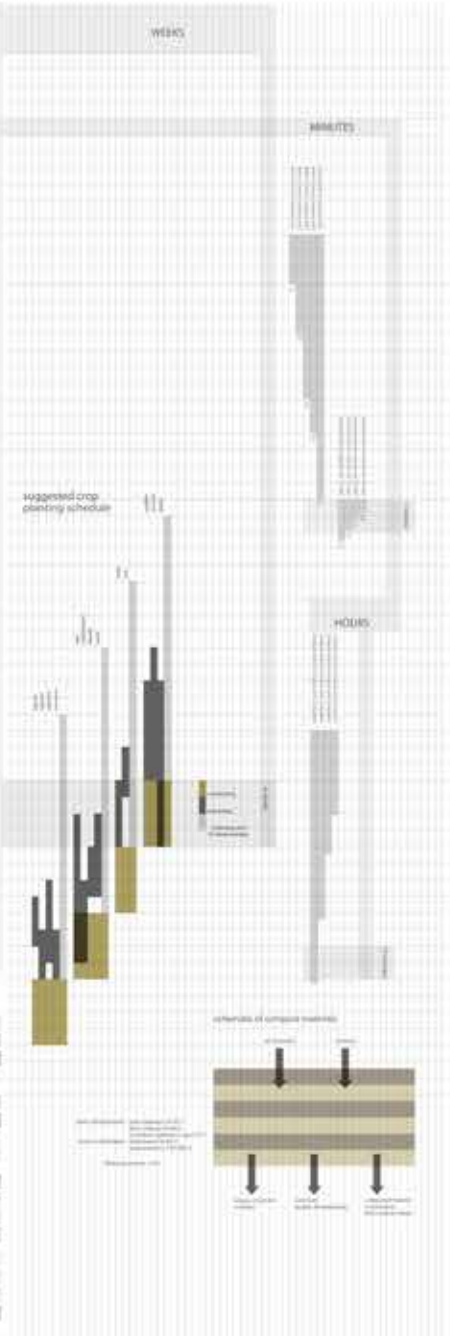
average planting power index: 0.065kWh
 average planting power index: 2.7mWh
 average planting power index: 84.5 mWh
 average planting power index: 2.7 mWh

18 signs each planting area
 1120 planting pots
 20160 signs total planting area

each compost unit
 54,000
 27,000
 10,800
 each corresponding strip
 advanced by compost unit
 8640
 4320
 4320
 20

90265
 0.60

4 planting cycles
 16 weeks average cycle
 4 compost tower units
 1 bare planting strip
 1 working compost tower
 1 row of propagators activated
 at any **ONE** point in time.
 island **TIME** made visible



4 crop cycles.
4 planting strips.
Each having its own composting units providing electricity.
3 dependent programmatic facilities that would allow the visitor to experience the site.

In the form of
an organic health spa that also makes use of heat generated from composting process for thermal therapy,
a cooking school dependent on the particular harvested crop for its lesson plans,
farmstay units attached to each composting units.

In addition to these, at the two ends are larger facilities which serve as entry points to two disparate populations.

The Compost Collection Centre - where organic plant matter from the surrounding farms are collected and sorted and prepared for deposition into the composting units and where the finished compost product is collected and sold, removed from site.

The Visitor's Centre - the point of entry for the Visitor, with parking facilities, a farmer's market for sale and exchange of produce amongst the community, events space, site office, sorting/storage facilities for harvested material

The activation of each compost unit sees the activation of a series of ancillary facilities, dependent upon the electricity generated by biogas from the composting process.

ground floor plan
scale_1 : 300



SECTION A-A

ELEVATION A-A

SECTION B-B

ELEVATION B-B

SECTION C-C

ELEVATION C-C

a system of time is set up, which the programmes are able to feed into and react to



SECTION A-A



SECTION A-A



SECTION C-C



SECTION C-C

the architecture here is one where time is allowed to be made visible by a dependence wrought from the infrastructural framework

It is an **apparatus** that condenses the site and dissects the **measure of time** on the island for the Visitor. It is both a focal point and a point of entry for the Visitor to experience Lim Chu Kang's **out-of-step** quality.

Yet within this relative slowness, it is made apparent by the set-up of the entire **apparatus** that this island functions efficiently, just that this **efficiency** is measured on a **different scale**



Time is bookmarked,
waiting is celebrated.
The island exists