Design III Territorial Imperatives:
A Study of Modernist New Towns/Field Research in CHANDIGARH, INDIA
by Jacob Goren (Architecture/Sustainable Development)

9 surface INTERVENTIONS

Mobile Rubbish
Influence:
Intervention:
Garbage littered the entire city. A self-automated, moving dumpster can circulate the city to simplify
and encourage citizens to discard their garbage properly.

Self-Created Paths
Influence:
Intervention:
Paths are created for meandering; these moveable blocks allow users to re-adapt movement
patterns.

Trash for Exit
Influence:
Intervention:
As a system of trash clean up, users must input
garbage into turnstiles to allow for exit from
specific areas.

Portable Chimney
Influence:
Intervention:
Garbage fires burn throughout Chandigarh,
releasing harmful smoke. A chimney will release
the air at a safe height.

Flexible Mini Shops
Influence:
Intervention:
Small commerce exists throughout the city. Flexible stalls throughout the city allow for
flexible commerce on a realistic scale.

Trade-able Parking
Influence:
Intervention:
Parking is becoming crowded; a solution is to create
a parking-spot trading system between sectors.

Adjustable Benches
Influence:
Intervention:
Benches exist on a pivot to allow greater flexibility
for social interaction.

Crosswalk Bumps
Influence:
Intervention:
Crosswalks are currently neither safe nor useful. Elevated crosswalks will slow traffic while increasing
visibility.

Mobile Rubbish
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moving dumpster can circulate the city to simplify
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Self-Crafted Paths
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Paths are created for meandering; these moveable blocks allow users to re-adapt movement
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Comparison to Pendrecht, Netherlands from New Town Field Guide

Lotte Stam-Beese was the principle designer of Pendrecht, creating a revolutionary design in that every family could have
three to four bedrooms with a separate living room for larger families, often with a private garden.

Her driving principles were: open roads with greenery where different groups could live together, with local shops, neighborhood
stores, and schools precisely planned. The town was divided into five scale divisions: a central core, a central area, a
small housing area, a suburban area, and a large residential area.

In the 1960's the neighborhood was connected to the Rotterdam's city center through the addition of the Slinge Metro stop.

In Pendrecht, there are five scales of planning, of increasing order: Dwelling, Cluster, Neighborhood, District, Town.

IN T E R V E N T I O N S

PUBLIC GREEN SPACE

Private Green

P

3.5

4.5

5

6

7

10

HEAT INTERCEPTORS

Precipitable

Pranav

Saurabh

Pashupati

Punjab

Mohali

Haryana

Source: Yale Chandigarh Studio, Spring, 2011

"Damage from the bombardment of 14 May 1940 and the destruction of the port in September 1944 necessitated a huge task of rebuilding . . . Complete replanning was needed, both for the use of available space and for the life of the city."

In Chandigarh, drive on the sides of planning, of harmonizing with the flowing Ocean, Vimeo, Library, Vimeo, Texas.