MAINTAINING MIXED NEIGHBOURHOODS
Fatih plateau: The completed nucleus
EARTHQUAKE RISK
City of discontinuity

Largely subsisting area
Partially subsisting area
ANCIENT ARTERIES
A-temporal connections

Persisting from 1840
Persisting from 1922
City fabric today
URBAN TRANSFORMATION INITIATIVE
Areas
A transformation project similar to Tarlabası is proceeding in Fener – Balat and Ayvansaray areas. These areas are three interconnected neighborhoods along the southern shore of the Golden Horn. They have experienced demographic changes similar to Galata and Tarlabası over the years, middle-class inhabitants leaving and poorer families immigrating to Istanbul moving in. However, unlike Galata and Tarlabası the area never lost its neighborhood and community qualities inspite of the declining urban conditions. As it has been the case in Galata over the last two decades, there has been individual renewal and restoration projects by individual investors. Since the area hosts the seat of the
URBAN TRANSFORMATION INITIATIVE
3ada1ada (3blocks1block)

REGENERATION COEFFICIENT

Existing developed area + Merging bonus (2%) + Street widening bonus (3%) + Public space bonus (4%) + Parking bonus (5%) * Building block merging coefficient (1, 2, 3)
URBAN TRANSFORMATION INITIATIVE
Mahalle (neighbourhood)
NETWORK OF REPAIR

Topography
Persisting connection
Monument
Very deteriorated area
Extremely deteriorated area
INCORPORATION
or enclosure

Accretion around intensified nucleus

MIRROR
or juxtaposition (dialogue)

Pluralistic society/mixed life

NEGATIVE
or cancellation, counter form, complement, dichotomy

Completing the nuclei
INCORPORATION
or enclosure

MIRROR
or juxtaposition (dialogue)

NEGATIVE
or cancellation, counter form, complement, dichotomy

Accretion around intensified nucleus

Pluralistic society/mixed life

New kind of collective open space in Istanbul
THE NUCLEI OF İSTANBUL
Panoramic city
PROPOSAL

AWH

- Manifestations
  - Interface
  - Hypostyle
LOCATION WITHIN THE CITY
SITE NEAR FATİH MOSQUE
DESCENT
A BUILDING ANALOGOUS TO THE CITY
Freedom despite specificity
PLAN
Streets and patios
INDEPENDENT PLAN
INDEPENDENT PLAN
SUB STRUCTURE
DOM-INO+
Compound column
District heating
1. Energy sources
2. Boiler
3. Holding tank (90°)
4. Small heat exchanger

5 to 10 times more efficient

District cooling
1. Cold water source (Golden Horn/Bosphorus)
2. Pump
3. Large heat exchanger
4. Small heat exchanger

DISTRICT HEATING AND COOLING
Concept
Heat exchanger – Holding tank
FLEXIBLE SPAN WIDTH
Dom-ino+

Equal spans

Differentiated spans
Entire bay shifts

Smaller shifts

IRREGULAR PLAN
Dom-ino+
STRUCTURALLY ADAPTABLE
Dom-ino+
ADJUSTABLE HEIGHT
Dom-ino+
INTEGRATED STAIRS
Dom-ino+
DIFFERENTIATED INTERIOR SPATIAL QUALITY
Dom-ino+
FIRE ESCAPES
Dom-ino+
...AND BACK UP
PROGRAMMATIC FACADE KIT
Ratio

45%
31%
PROGRAMMATIC FACADE KIT

Example
ENTRANCE
Graphic interruption
ENTRANCE
Graphic interruption
3D POCKET
The street doesn’t end where the building begins
3D POCKET
Materialization