ABSTRACT

Traditionally with flooding came a series of opportunities that Thai people knew how to take advantage of; the seasonal monsoons triggered events and activities that cropped up progressively as the water rose. Shops and ground floor reappeared in similar ways in the upper floors as waterways replacing the ground roads. Once the monsoon season was over, everything went back to the way it was. No destruction, no displacement, no waste. People and nature were prepared to adjust and adapt with this transformative aspect of the city. The project intention is to use this great potential as the inspiration that drives our proposal.

KEY WORDS

water ways – potential.
RESUMEN

Por tradición las inundaciones traen nuevas oportunidades a la población de Tailandia, quienes conocen el modo de tomar ventaja de la situación; la temporada de fuertes lluvias introduce eventos y actividades paralelas al crecimiento de los cuerpos acuíferos. Comercio y suelo reaparecen de forma similar en la superficie como caminos de agua remplazando los tradicionales senderos. Una vez terminada la temporada de fuertes lluvias todo vuelve a la normalidad. Sin destrucción, desplazamiento o deterioro. Población y naturaleza están preparadas para ajustarse y adaptarse a estas transformaciones comunes en la ciudad, para lo cual el proyecto propone usar este potencial como punto de inspiración que direcciona la propuesta.

PALABRAS CLAVE

Caminos de agua – potencial
INTRODUCTION

The project intention is to recover Thai ways of coexisting with dynamics water flows. Traditionally with flows came a series of opportunities that Thai people knew how to take advantage of; the seasonal monsoon triggered events and activities that cropped up progressively as the water rose. Shops and ground floor re-appeared in a similar in the upper floors as water ways replaced the ground roads. Once the monsoon season was over, everything went back to the way it was. No destruction, no displacement, no waste. People and nature were prepared to adjust and adapt with this transformative aspects. The project intention is to use this great potential as the inspiration that drives the proposal.

Image 1. Modulation Envelope. The shifting and undulating envelope derives from the dynamic transformative qualities of surrounding spaces throughout the hour cycle.
MODULATION OF EVENTS ALONG THE CANAL

Through an analysis of the street was noted a very distinct expanding condition of events, where some of the events were found on the public domain into the actual building blend into the streets space with a better understanding of the character and programming begin to outline the possibility of an expanding flexible infrastructure, as a design concept.

Image 2. Mapping patches of local enclaves, flows and events. The initial design strategy was to physically widen the canal to accommodate and enhance the flow of movement and expansion through maximizing the water-borne transportation, movement and activities.
Image 3. Mapping patches of local enclaves, flows and events. The initial design strategy was to physically widen the canal to accommodate and enhance the flow of movement and expansion through maximizing the water-borne transportation, movement and activities.
EXPANSION OF CANAL

ENCLAVES:

- Identifying neighboring enclaves with inherent connection to the canal

FLOWS:

- expansion/contraction of existing programs based on events, movements and relationships.
NODES OF INTERVENTION

GRADATION:

Resurface landscape in gradation representing the reach of the flow in relation to the event

Image 3. The second layer of the design establishes mobile and amphibious modules that could service the new water infrastructure intervention
Image 5. The second layer of the design establishes mobile and amphibious modules that could service the new water infrastructure intervention.
FLOW SCAPE:
carving and shaping the
canal edge in relation to the
event flow.

RE-MASING:
PERFORMATIVE SECTION
By populating the new canal embankment with modules that contain different degrees of
porosity and absorption, a field condition arises and with it new programmatic opportuni-
ties that take advantage of this amphibious condition.

1. RIP-RAP:
Crushed rock reduces water erosion
dissipating the energy of flowing water

2. PICP:
Stones in the joints provide full permeability
and the base filters stormwater and reduces pollutants.
3. **PREVIOUS CONCRETE:**

   after heavy rains acts as mini holding ponds, and
   allow water to gradually absorb into the soil below.

4. **GRID PAVIMENT:**

   capable to grow grass with stability
   paving Stone preventing soil run off
SEASONAL CYCLES:

RE-FILTERING:
The canal bed and embankment surfaces filter water, while green surfaces on the grounds and the roofs filter and cool the air in immediate vicinity.

RE-CIRCULATING:
Varying degree of porous surfaces absorb and store rain water run off and rechannel it to ground and run off reservoir to minimize canal floating.

RE-SURFACING GRADIENTS
FLOATING EDGE:
Blending both program and water to trigger new activities on the water edge

REPARIAN EDGE:
Gradual sloping through a gradation of different that help negotiate the wet and dry condition in relation to the changing tides.
EXTENDED EDGE:
merging of existing building blocks and
resurface components into continuos
medium that acts as a directional field for the
different flows happening around the canal.

MULTI AXIAL SURFACING:
As ground and reparian edge gets
resurfaced, the coverage of the new
surface continues to the facade and
roof of the surrounding buildings
Temporal landscape:

A changing threshold triggered by the variation of water, will allow the flexibility and adaptability to cyclical, yet informal occurrences of events.