

## TECTONIC LANDSCAPES



**Boguslaw  
Witkowski**

### Summary

Children educated in boxes and cubicles will grow and remain with square heads forever but if we offer them a natural environment that leaves space for imagination, they could have an opportunity to become genuine citizens of the 3rd millennium, where respect for nature must be the priority.

**Keywords:** Tectonic, landscapes, songlines, skyscraper, communist

### 1 Introduction

In ancient times humans feared, respected, and lived in harmony with Nature. Today, however, man provokes Nature with overconfidence in his power and ability to control and alter the environment to provide comfort and welfare for his race.

Even recently in the Eastern European countries the most intellectual part of society was eliminated through the establishment of artificial Communist power that eventually led to the crumbling of those societies. As happens with the human body without a brain: a country without a wise and educated man cannot exist!

Currently, even the most educated brains are blinded by the theology of Economic Growth and driven by greed which inflicts great burdens on Mother Nature and the human race.

In effect, we would like to show some examples below from our research of a new way of thinking and design which respects Mother Nature in architectural and town planning.

## 2 Jeongok – from the caves to the state of the art paleontology museum



**A** The creation based on the image of prehistoric cavern museum spaces, hosting the state of the art Paleolithic Museum.

**B** The exhibition on the interaction between the tools, the intellectual development of humanity and the formation of social consciousness:

The Museum's spatial organization gives the possibility of the movement in space-time from the prehistoric area to the prospective future of civilization's achievements.

The basalt precipice's unburied space will be filled with 3D images of the discovered objects on various levels. Those images will be reconstituted through state of the art hologram technology and exposed in their original position in the unburied and voided precipice's space.

Their configuration will correspond to their chronological stratification.

Through the analogy of the DNA structure, they will extend to the visitors the importance of the imprint of the tools' evolution on the development of humanity.

**C** The natural and soft tectonic lines of the created architectural forms are reminders that we are simply part of nature: the important, clever, intelligent and responsible part; the part capable of tending to Peace and Harmony.

The best expression of Harmony should be rendered by the soft contour lines of the Museum's Architecture, uniting the whole Five Elements in a creative and constructive cycle: Earth, Metal, Water, Wood and Fire.

## 3 OASIS – Suspended gardens city – residential neighborhood



We propose the creation of a concept based on an oasis pattern rather than the continuation of a box like existing modernist or high-tech morphology. We want to realize an urban organism based on optimal parameters indispensable for sustainable development through:

**1** Reflection of the local Arab Muslim society's identity through the design of Landmark Structures such as domes, minarets and other distinct urban forms which have been used as orienting devices and territorial markers.

**2** Strengthening of the feeling of belonging to the neighbourhood and reinforcing the sense of community among its residents through the creation of meeting points such as plazas and squares interconnected with public cultural and religious spaces.

3 Ensuring privacy of the family through inward looking housing and gardens through the re-creation of paradise in the form of gardens and its associated imagery or a walled garden encompassing an isolated pavilion or the courtyard garden surrounded by a central building.

#### 4 Brussels hills on the beach

##### Revitalization of the former Tour & Taxi Station Area



We propose the creation of a concept based on a bee hive pattern or an ant hill rather than continuation of a box like existing modernist or high-tech morphology.

The destroyed natural landscape should be restored and built up with architecture based on the interaction between vegetal of the surrounding installations (Royal Park of Laeken, navigation canal) and the newly created volumes.

The soft and natural created tectonic lines will remind us that we are part of Nature: important, clever, responsible; yearning for peace and harmony.

If this vision which is out of the rigid frame of the existing town planning regulations does not correspond to your conception of the future image for human setting please do not continue to examine our project!

The hill-like structure will house various urban functions (cultural, sport, commercial, education, residential) with an important positive impact on the environmental quality.

We propose to realize an urban organism based on optimal parameters indispensable for sustainable development through:

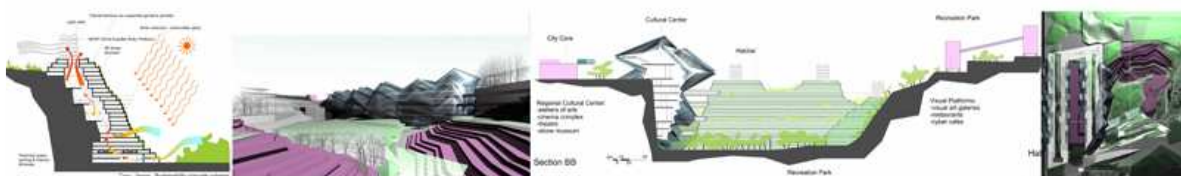
**A** Realization of a high population density without turning to the typical box-like sky scrapers of the last XX century, through application of the terraced superstructure.

**B** Creation of an environment without traffic noise, and air pollution.

**C** The autonomy of the proposed ensemble based on the solar, wind and combustion of trash energy with recuperation of rain water and use of existing navigation canal waters for energetic and consumption needs.

#### 5 Back to Mother Nature – Habitat on the rock

##### Proposition for the Revitalization of the Blue Stone Quarry in Soignies (Belgium)



We propose the creation of a concept based on a bee hive pattern or an ant hill rather than the continuation of a box like modernist or “high-tech” morphology.

The damaged natural landscape should be restored and developed with architecture based on the interaction between the vegetation of the surrounding natural fittings, the stone quarry walls, and the newly created structures.

The soft and naturally created tectonic lines will remind us that we are part of Nature: important, clever, responsible; yearning for peace and harmony.

If this vision, which challenges the rigid framework of existing town planning regulations, does not correspond to your conception of the future image for human setting please do not continue to read it!

The hill-like structure will house various urban functions (cultural, sport, commercial, education, residential) with an important positive impact on the environmental quality.

We propose to realize an urban organism based on optimal parameters indispensable for sustainable development through:

**A** The realization of a high population density without turning to the typical box-like sky scrapers of the last XX century, through the application of a terraced suspended-gardens-like superstructure. This superstructure will soften the injuries done to Nature during the last 118 years of extensive exploitation and partially restore the original natural morphology of the site.

**B** Creation of an environment without traffic, noise, and air pollution.

**C** The autonomy of the proposed ensemble based on solar, wind and combustion of trash energy with recuperation of rain water and re-use of grey waters for energetic and consumption needs.

## 6 Hobart songlines



The image of SONGLINES and DNA spirals Patterns chosen as a symbol of life and the spine structure for the revitalization of this area evokes the basic concept of a living organism.

The aim of this particular design is to bring a new vital energy vortex to this part of town interconnecting the Hobart City’s Urban Nucleus to the Competition Area.

The SONGLINES and the DNA pattern serves as a design model for the pedestrian paths positioned above the partially underground car level. They are integrated into the vegetal filter which connects both sides of the pedestrian boulevards.

The Song Lines symbolic importance much beyond the Australian continent proved by presence of similar stone engravings on Asian continent in Vietnam in the region of Sapa, shows that ancient inhabitants of Australia have traveled through the Ocean Sea’s waters, fact which enhances the importance of Hobart Harbor.

It also constitutes a canopy for various harbor outdoor and indoor facilities.

**A** Based on those patterns double spiral structure, the exclusively pedestrian curvature on the street level will provide a pleasant walking space free off all noisy car traffic and CO<sup>2</sup> pollution.

**B** The car traffic will be limited in this portion of town to 30 km/h and parking on the competition area will be located on the half underground level -2.10m along the street. This space is separated from the pedestrian street level by a vegetal translucent 'membrane' which functions as a biological filter for the CO<sup>2</sup> car emissions.

**C** The new design of foreshore and infrastructure of piers and wharves aims the better expression of Hobart City's aboriginal past traditions and history:

On image of Jinmium-Red Rocks the stones like islands interconnected by means of mooring bridges are designed to host various events such as Rolex Sydney Hobart Yacht Race and others.

**D** In purpose to valorize the Hobart Rivulet we plan to open the covered section of its course. The previous condition is to ensure its water quality and through this way energize this portion of town.

**C** Sustainability of the proposed solution:

Creation of a permeable to the rain waters area through replacing the asphalt surfaces by paved covering for the street level.

Conversion of the car park situated on the front of the City Hall in to an Urban Park

Diminish the car's noise and CO<sub>2</sub> pollution through application of the "green filters" integrated to the pedestrian paths situated above street level.

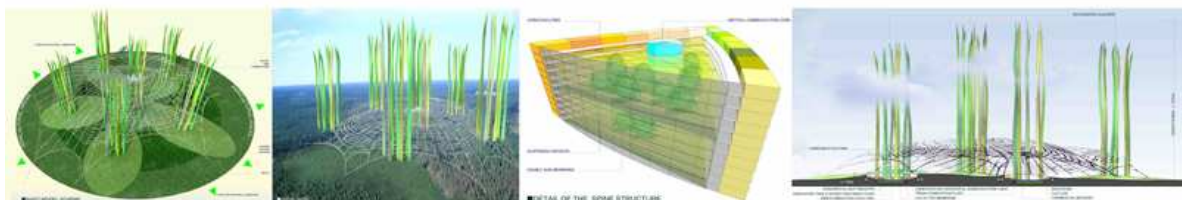
Increase the pedestrian's accessibility and interconnection between Hobart Waterfront and the City through the flowing and ramped paths above the Macquarie Street and Davey Street 'Couplet'

Cure the injuries given to the natural landscape during the numerous years of brutal urbanization process by application of the new concept of architectural and urban design.

Use of the alternatives energies for the functioning of major city equipments.

The proposed concept will bring to Hobart City a new breath in the physical, cultural and economical life and we express our hope in the sustainable future of this beautiful part of Australia.

## 7 "Vertical chlorophyll city"



### Objectives:

Free the devastated Earth area from traditional human colonization style of constructions, for natural recovery and agricultural & recreational activities.

Increase accessibility through reduction of the long distance ways by concentration of full range urban activities and creation of communication shortcuts in form of a “spider webs”.

“Chlorophyll City” – full use of solar energy through the use of the skin of herb like skyscraper trunks. Their skin will transform solar energy in to electrical one (PV-TV Panels with efficiency of 3.8 watts/square foot) and filter CO<sub>2</sub> through the photosynthesis process.

Use of the wind for energy production through the piezoelectric action in the articulations of the tower skin under wind pressure.

Tower and tower Basis skin will play an active role in filtering the solar, wind and rain action through recuperation of the necessary elements.

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### **Boguslaw Witkowski**

✉ Ingénieur civil architecte  
Av. Jacques Brel 13  
1420 Braine-l'Alleud, Belgium

☎ +32 023871268

📄 +32 477388485

😊 bfwitkowski@gmail.com

URL <http://tpda.free.fr>