

Radical problems need radical measures, otherwise they won't be fixed. We have deteriorated our planet and we have the responsibility to repair it, not only because we are responsible, but because this is our home and we don't have another one. We cannot keep doing the things we have done so far that have taken us to this situation:

First; The total population must decrease considerably and from there, we must find the way to keep it that way.

Second; Our approach of how we interact with the environment must be the opposite. We must live as part of the environment and not imposing our way of living in the environment. We need to adapt our way of life to the existing environment, be less protagonists and be less invasive. Our nature, as rational beings, is to take what we need and modified it to our convenience and create objects that could satisfy our physical or spiritual needs and we even imagine it surrounded by the environment but we don't really think about the long term impact in the environment. We have done this during our entire existence, in small steps at a time and now we face the consequences.

As Architects, we need to create the ultimate object: The Tallest, The Shiniest, The Thinnest . . . but we have not understood that in nature, things are part of the environment, live together, and never stand against it.

Architecture has to be less protagonist in terms of shape in designs and more proactive in living proposal trying to be more unnoticed as an object and be more as part of the environment. These doesn't means that building shouldn't be designed, should and must be designed but as part of the environment.

Cities, regardless their size, must be divided in self-sufficient blocks. The presented scheme of block is a square with orthogonal Street scheme. This is only to show the Block approximate dimension, power and water generation grid and net distribution scheme, but the Blocks must and should be in any shape. Each Block will generate its own energy to satisfy their needs and share whatever is not use, keep it running it the net so that it can be used by anyone and avoid any storage. The energy produced should use any source available (wind, sun, gravity and any other available) in 4 different scales by the GREEN BOX:

1-MAIN GREEN BOX in the main square - These buildings produce as much power and drinkable water as they can to feed the sector lines.

ELECTRICITY PRODUCTION: Ultraviolet rays of Solar panels, Water turbines and Windspire Wind Turbine.

WATER PRODUCTION - Atmosphere water generators.

2-SECTOR GREEN BOX on each sector – These buildings produce and distribute more power and drinkable water as they can to feed the sector lines.

ELECTRICITY PRODUCTION: Ultraviolet rays of Solar panels, Water turbines.

WATER PRODUCTION - Atmosphere water generators.

3-LOCAL GREEN BOX on each building. These buildings produce power and drinkable water for their own use.

ELECTRICITY PRODUCTION: Ultraviolet rays of Solar panels, Water turbines.

WATER PRODUCTION - Atmosphere water generators.

4- PERSONAL GREEN BOX - On each personal space. These will produce power and drinkable water for their own use.

ELECTRICITY PRODUCTION: Ultraviolet rays of Solar panels, Water turbines and Windspire Wind Turbine

WATER PRODUCTION - Atmosphere water generators.

Each BLOCK will have Commercial, Office and industry spaces, reason why, power will be needed throughout the day and the power production of the GREEN BOX in this buildings no needed for their use will go directly to the net.

Transportation inside the BLOCK will be only be pedestrian, Bicycle or Buses and the communication between BLOCKS will be done either by BUSES or by car, along with Cycle and Pedestrian options. A continuous net throughout the city of Pedestrian and Cycling and Bus streets will allow to have a continuous circulation with no restrictions. Cars will only be allowed to be used between BLOCKS and to exit the City. Sounds radical but just because we are used to use the Car.

With this proposal we meet:

- End hunger, achieve food security and improved nutrition and promote sustainable agriculture. - SEE PLAN OF POST CABRON CITY.
- Ensure healthy lives and promote well-being for all at all ages. - ENCOURAGING PEDESTRIAN AND CYCLING TRANSIT-
- Ensure availability and sustainable management of water and sanitation for all- - USE OF ATMOSPHERIC WATER GENERATORS-
- Ensure access to affordable, reliable, sustainable and modern energy for all. - GREEN BOX EVERYWHERE, EVERY SIZE AND FOR EVERYBODY.
- Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation. - GREEN BOX EVERYWHERE, EVERY SIZE AND FOR EVERYBODY.
- Make cities and human settlements inclusive, safe, resilient and sustainable - HUMAN SCALE BLOCK IN CITIES CONNECTED WITH WALKING AND CYCLING TRANSIT CONTINUOUS NET.
- Take urgent action to combat climate change and its impacts. - A CHANGE OF HOW WE LIVE.



We need to go back to the BASICS: Walk, Breath, Enjoy, Share, Respect and this is what really means to evolve as human race. Not having the tallest Skyscraper, not having the most extravagant and distinguish building, not having the most expensive building, but being part of our OWN ENVIRONMENT. We need to remember that our house, is not the place we sleep, is the world we breathe. We still can do it, how long will it last.

Not enough if don't CHANGE.

The buildings shown here are not caves or cabins in the woods. We are human beings and we need to live accordingly to that but understanding that the world we live in, is not ours, we are part of it as everything else is.

## ENVIRONMENTAL IMPACT SUMMARY - MANHHEIM PROJECT

ENERGY AND WATER PRODUCTION PER BLOCK OF OF 4230 SINGLE FAMILY UNITS / 3 HABS - 12690 + COMMERCIAL AND INDUSTRIAL BUILDINGS

EQUIPMENT	QUANTITY	UNITS	UNITS PRODUCED	PRODUCTION PER UNIT	TOTAL PRODUCTION	
MAIN GREEN BOX BUILDING						
Windspire Wind Turbine	0	PIECES	kWh	2000	0	Anual
Ultraviolet rays of Solar panels	3150	SQUARE METERS	Kw	2	6300	Power
Gravity Water turbines	0	PIECES	WATTS	500	0	Power
Atmosphere water generators	243	PIECES	Liters	5000	1215000	Per Day
SECONDARY GREEN BOX BUILDING						
Windspire Wind Turbine	120	PIECES	kWh	2000	240000	Anual
Ultraviolet rays of Solar panels	2760	SQUARE METERS	Kw	2	5520	Power
Gravity Water turbines	150	PIECES	WATTS	500	75000	Power
Atmosphere water generators	160	PIECES	Liters	5000	800000	Per Day
URBAN SERVICE BUILDING						
Windspire Wind Turbine		PIECES	kWh	2000	2000	Anual
Ultraviolet rays of Solar panels	120	SQUARE METERS	Kw	2	240	Power
Gravity Water turbines	9	PIECES	WATTS	500	4500	Power
Atmosphere water generators	10	PIECES	Liters	800	8000	Per Day
LOCAL GREEN BOX BUILDING						
Windspire Wind Turbine	0	PIECES	kWh	2000	0	Anual
Ultraviolet rays of Solar panels	60	SQUARE METERS	Kw	2	120	Power
Gravity Water turbines	9	PIECES	WATTS	500	4500	Power
Atmosphere water generators	1	PIECES	Liters	800	800	Per Day
TOTAL PRODUCTION PER BLOCK						
Windspire Wind Turbine			kWh		242000	Anual
Ultraviolet rays of Solar panels			Kw		12180	Power
Gravity Water turbines			WATTS		84000	Power
Atmosphere water generators			Liters		2023800	Per Day