



I am home 1.618 global alliance
for sustainable affordable **housing supply**

"I AM HOME 1.618" IN A URBAN PLANNING COHERENT CONCEPT WITH THE ISSUES OF SUSTAINABLE DEVELOPMENT - SUSTAINABLE TECHNOLOGIES AND DOBOTICS - SUSTAINABLE "SOCIAL HOUSING" -

The concept of Sustainable Development has been elaborated in relatively recent times but it has a crucial importance, which goes to invest different areas of our existence. Often when we talk about sustainable development we refer exclusively to the environmental sphere but in reality the concept is much broader and also takes into consideration the social and economic condition from which the need to keep economic development at bay and make it "sustainable" in towards the environment and society. In essence, with the evolution of industries and capitalism, the need to take stock of the situation and to pursue the ideal of sustainable development for all has started to be felt more and more because the risks of social poverty are increasingly evident and of environmental destruction.



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SUMMARY

In the concept of Sustainable Development, 3 sectors of life coexist inextricably linked together: the economy, social equity and the environment: in order to exist, therefore, sustainable development requires that these 3 components are in a constant mutual balance: 1 The economy must develop, but it must always do so with a view to respecting environmental resources and trying to limit poverty and social inequalities to a minimum.

It is therefore clear that urban sustainability can only become one of the priority challenges of our time since it is easy to say cities, but estimates consider that in 2050, out of a global population of 9.77 billion people, 66% (approximately 6.44 billion individuals) will live in a city. Under what conditions?

There is a whole lifestyle to be corrected: the extraction of materials from fossil fuels, precious minerals and biomass, the dispersion of drinking water, the consumption of poorly regulated soil responsible for the hydrogeological instability that threatens rich and precious biodiversity but now increasingly fragile and at risk.

All this can only lead to a collapse of urban systems, if not reviewed with a view to the responsible use of resources.

SUSTAINABILITY STATEMENT COMPONENTS:

A. Building material : cement with low emission such earth and vegetal(typha) based concrete mixture for insulation. Magnetized concrete through recycling of iron magnet waste to create new smart energy transfer application for cooking, charging of electronic devices such as phones and electric car of household. Lead light bolts and photovoltaic sun energy uses.

B. Solar panels, blue saphir windows and blue saphir paint for sun energy collection through partnerships with traditional solar solutions and new sun light collector building material.

C. Solar concrete batterie sun energy stockage to reduce energy consumption cost of household with award winning energiestro patent

D. Solar based water pumps desalination solutions for clean water but also smart drop by drop nutrient water for garden farm with award winning German Boreal lights

E. Sanitation sewer solution and recycle waste water for road title through omni processor of Gate Foundation in Senegal with our partner Senengineering

F. Home garden farm option increase oxygen emission of the home while providing quality bio vegetals and fruits for wellbeing of households in partnership with agricultural ecosystem in host country.

G. AI based monitoring of water and energy consumption of the home and garden with google home, Tolbi and other smart IOT devices (smart lights, daylight sensors, window sensors, smart energy efficient boilers, smart plugs, Smart thermostat,....

H. Easy dissembling properties of I AM HOME 1.618 houses and factories do not generate any waste with our German partners BT innovation turn buckle patent product.



SUMMARY

To stem these increasingly pressing risks, positive approaches are needed such as:

- urban regeneration, that is, rethinking the redevelopment of the existing (think of buildings) focusing on closing the cycle of construction or demolition materials (waste that can therefore find new use);
- the green and blue infrastructures, together with sustainable mobility, respect the conservation of biodiversity, the stabilization of the climate and the recycling of waste by not consuming excessive portions of soil;
- social innovation without which there is no circulation and development of new ideas, new opportunities for the purpose of improving the well-being of citizens;
- technological innovation, smart cities as tools for a better life: connectivity, sensors and geo-spatial information available from any device, access to data will facilitate everyday life;
- renewable energy and energy efficiency to reduce consumption and the need to use fossil fuels with consequent economic savings for all.
- The sustainability of building materials whose current processes related to them such as the extraction, processing, transport and installation of materials consume large quantities of energy and water.
For example The use of local clays and renewable materials, have a lower environmental impact than the use of traditional bricks. Replacing synthetic insulating materials, such as rigid polyurethane foam and expanded polystyrene, with natural insulating materials, such as cork, wood fiber, would significantly reduce the environmental impact.
- The recycling of materials such as steel, aluminum, copper, glass, PVC and the same construction site waste must be recycled and reused wherever possible to reduce the extraction of raw materials.

CO2 lifecycle assessment I AM HOME 1.618-AETERES PHI RARE SPACE

Objective: be compliant with UN sustainable building guidelines for tropical home and edge compliant requirements.

I AM HOME 1.618 architectural design and Aeteres PHI energy harmonization Philosophy combine forces to build an unique concept of a RARE SPACE AFFORDABLE HOME. With ENERGY & QUALITY POTENTIALITIES. THIS IDEA S VISION IS MAKING SPACES PRODUCTIVE EFFICIENT AND HEALTHY FOR BETTER CO LIVING AND CO WORKING.



SUMMARY

✓ The green concrete that seems a paradox, but it is not, the specific industry is moving to reduce its impact. The need to reduce emissions is most felt by a sector that knows how heavy its contribution is in environmental terms.

In Europe, the largest continental cement producer, LafargeHolcim, is stepping up its investments to reduce its carbon emissions as pressure on industry grows stronger to contain the pollution and emissions that contribute significantly to global warming. .

Promote modern and sustainable architecture in developing countries and in particular in Africa.

The theme of the residence has always inspired science, technique and the expressive intentions of architecture, revealing a vast scenario of complex solutions for living on various scales. The issues of "SOCIAL HOUSING", tracing today a specific cultural element, recall the theories of Le Corbusier's housing unity, his belief that the solution to the city crisis imposed a pact between architecture and nature and the principles of "social housing" ", Which arose with different intents and various levels of quality, some of which are truly questionable. His ideal city, a new urban environment, was named by him as the "Ville Verte": a city in nature, but full of inhabitants and full of activities and social relationships where sun, space and trees are considered by him as materials fundamental for urban planning.

The harmonious balance between the needs of users and the protection of natural and cultural contexts is now complemented by the complex management of settlement areas where architects and programmers deal with buildings, while planners of zoning, without a clear focus of the intermediate belt, the public good, which remains largely un-designed, while on the contrary, the house should include all

AETERE'S™ Φ PHILOSOPHY The theories and laws of the "subtle" energies are collected in numerous scientific studies by famous scientists and Nobel laureates. Quantum physics tells us today that what we see in the "real" world has nothing to do with the sub-atomic world. Every



SUMMARY

living conditions, that is the physical surroundings or the central concept that the house is only a detail that is part of the surrounding landscape that contains it.

And it is precisely in response to the weaker classes of the housing market that "SOCIAL HOUSING" policies have undergone a change of course. Offering housing options requires, as is well known, the concurrence of public financial resources, private investments, recourse to credit, urban planning choices and decisions.

In the "SOCIAL HOUSING" housing policies, the "SUSTAINABILITY" objective does not refer only to environmental problems but also to economic and social problems, thus representing an opportunity to relaunch the public and private construction sector thanks to the opportunities offered by the technologies that they exploit renewable resources and at the same time creating a strategic tool for the improvement of the environmental and architectural quality of the building heritage at every stage, concretizing an even bigger strategy from a financial point of view, which allows to minimize expenses and maximize the achievement of set goals.

Another of the priorities was outlined in the theme of "SUSTAINABLE TECHNOLOGIES" applicable to "SOCIAL HOUSING" which constitute the real environmental and also economic engine of the whole process which has as its objective to demonstrate how the construction costs of social housing sustainable designed with materials of the local building tradition, with a different conception of quantitative standards, through bioclimatic strategies and technologies based on renewable resources, do not differ much from those of a classic social housing.

The discussion is thus stimulated and the discussion is promoted around central themes of the new building, such as energy saving, biocompatibility and eco-sustainability.

subject, every living being and even the vacuum is imbued with huge amounts of subtle energy. In polluted cities, in the office full of computers, in geopathic homes, the balance and harmonization of the many energy forms is very poor. That's the reason why we can feel stress, discomfort, anxiety and energy waste. A real Habitat Science will be a real preventive medicine, able to create ideal energy balance conditions. AETERE'S™ is a leading Italian company deeply involved into Toroidal Energy Technologies and major Biocompatibility and Environmental Re-harmonization projects. We deal both with domestic business and industrial facilities from small to large volumes, including common environments like hotels, theatre and concert halls. The company operates in the value of high quality and absolute mechanical and electrical reliability of its products, adopting materials and components of extreme quality.



SUMMARY

When we talk about "SOCIAL HOUSING", that is, affordable houses for the less well-off, we immediately think of big cities. Instead, it is a problem that affects people regardless of the location, therefore the realization of this housing category is also a necessity for rural areas.

In the sustainable housing "I AM HOME 1.618", an approach was adopted in which we focused on rethinking how people use domestic space in families, reorganizing the typical approach to standard housing types, favoring a certain fluidity in the organization interiors with a large space for shared areas, where the kitchen and living are in communication and where each unit has access to a private space on the side and rear and a green area that can be used as a small kitchen garden, with a theoretical approach to the "Garden City" by Ebenezer Howard who in 1902 in his book "Garden Cities of Tomorrow" imagined scenarios very close to what is proposed today, in fact he wrote: "we can therefore consider the city and the countryside as two magnets, each reaching out to attract men towards themselves, a contest in which a new form of life participates in the nature of both". This idea, revised and updated in our times, is the basis of the concept of "green" architecture.

Another assumption of "I AM HOME 1.618" is defined in the breakdown of the rigid distribution schemes that provided for a mandatory amount of square meters per accommodation depending on the number of inhabitants. The reasons for this break are basically two: on the one hand, the rethinking of the concept of living, no longer identified in "residing in a place" but in the much wider "living space"; on the other the need to create flexible accommodation, capable of evolving harmoniously with the natural growth of the family and why not, of using robotics to create social housing like "I AM HOME 1.618",

Who "Rare Place" is one of our scientific research department that thrives on innovation and excellence in environmental technology products and solutions.

Why Research shows that the average person spends 90% of his or her time in doors either in the office or at home. Have you ever heard of SBS (sick building syndrome)? To avoid suffering from BRI (building-related illness) it is important to be able to recognize the symptoms and treat them quickly.

Where Our Quality & Environmental Management Systems at "rare place" applies to all our shops and may be applied to your dwellings as well!

What We aim to enhance customer satisfaction and improve every body Environmental and energy performance.

We work to create ideal environmental conditions at work.

Sick Building Syndrome



SUMMARY

It can be equipped with a series of devices connected to each other, which exchange data and information, receive inputs from the outside and provide the results to the user, who has the ability to control everything, wherever he is, simply using a smartphone or a tablet therefore a total management of remote equipment, which allows a reduction of waste, control of the systems and greater safety for the user.

Particular attention should be paid to urban spaces, both built and open, in which activities adhering to the surrounding economic and social fabric are to be set up on the role of the "intermediate segments", namely the public good, so as to concretely favor both neighborhood that the enjoyment of common spaces by creating quality urban scenarios.

We work to create ideal environmental conditions at work.

Sick Building Syndrome

In 1984, the World Health Organization reported that up to 30% of newly-built buildings may cause acute illness in individuals residing in them for long periods of time. Today it is even worse. Our energetic level ,state ,and performance, dictate the results that we get from our everyday actions. The environment that we live in plays a big factor in determining at what level our body performs. It can either support our state of mind and being, or it can harmit and make things worse.

A sick building may result from various factors such as:

The air quality

The electro-magnetic quality

The water quality

The light quality

The materials quality

The indoor climate

It's up to you to recognize the symptoms.

Symptoms Related to Sick Building Syndrome:

Nausea Headache Dizziness Fatigue Concentration Difficulties Irritation of Eye, Nose & Throat



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To achieve this, it is not a question of equipping old suburbs or making new ones, rather of creating eco-neighborhoods, also wanting to implement the reasoned transformation of urban parts already built through an architecture that is friendly to man and nature. The goal is to design housing contexts that encourage the development of rich and meaningful human relationships and that produce the "happiness" of the inhabitants in the spaces and places that contain them and this is the ambition of "I AM HOME 1.618".

RARE PLACE Environmental Improvement Systems

Arteries can offer a solution for : "Making spaces productive, efficient and healthy -for better living and working".

Continuous improvement of our environmental quality and services.

"Rare Place" is committed to prevent pollution through effective and efficient use of resources and Free energy Technologies.

BETTER PLACES FOR POSITIVE ENERGY.

Environmental Improvement Systems for:

Indoor Air Quality

Water Quality

Electro Quality

Light Quality

Geo Quality

Sound Quality

ENERGETIC BUILDING BIOLOGY BIOCOMPATIBILITA' E RIARMONIZZAZIONE AMBIENTALE

Environmental Bio-energy-technology or Energetic Building biology Energetic Bionomics is the multidisciplinary integration of sciences and energy sciences in order to utilize the huge biological potential of clean energy for the restoration and preservation of the environment



SUMMARY

This is the "I AM HOME 1.618" design objective, an objective that involves a certain responsibility, an ethical-social value in which architecture is a way to improve the living conditions of many peoples, while contributing at the same time to sustainable development. In developing countries, the growing demand for housing is closely linked to the rapid and convulsive expansion of cities, with the consequent formation of slums but also of villages far from urban centers. In both cases, the homes present are not healthy and imply precarious housing conditions. The intent of the "I AM HOME 1.618" project, therefore, is to meet the huge demand for housing with the introduction of appropriate, low-cost construction technologies with which to build healthy, sustainable and economically accessible homes for disadvantaged families.

AIR IONIZATION EASY BREATHING

ENERGY CIRCULATION, COOL BREEZE PERCEPTION

Some others occur after the installation achieves the top of the efficiency:

SENSE OF WELL BEING, RELAXING BRAIN FREQUENCY BALANCE

HEALTHY SLEEP, SENSE OF LESS TIREDNESS, MINOR PSYCO-PHISICAL STRESS

SCIENTIFIC EVIDENCES OF THE BRA INSTALLATION

Through the valuable research and experimentation work of skilled specialists, Aetere's has identified four evaluation tests to collect scientific evidence data before and after instruments installation.

BAROPODOMETRIC test: this stabilometric test define the interference between geopathies and human postural system. The various experimental tests showed and demonstrated the efficiency of the BRA instrumental installation. Aetere's devices were able to completely eliminate enviromental energetic congestions responsables for important postural perturbations againsts the examined subjects.

BIOFEEDBACK HEART RATE VARIABILITY – HRV is a scientific technique used to measure and analyze the heart rate variability and it's able to value the activity of Autonomic Nervous System and the balance between the Parasympathetic and Sympathetic nervous system activation.

tNETWORK ANALYZER it's a device that is able to clearly show noise, spikes and harmonics present in the electric network before and after instruments installation.

BIOELECTRICAL IMPEDANCE ANALYSIS this test is able to diagnose the states of water retention, dehydration, malabsorption and difficulty in muscle recovery connected with geopathies and electromagnetic interferences. In the same time, the BIA test demonstrates the BRA instrumental installation efficiency in restoring a healthier vitality curve, previously compromised by enviromental energetic congestions.

I AM HOME
1.618