



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov. of India

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA.

NARRATIVE BASED SPECULATIVE THINKING **WORKSHOP 2020 - STUDENT OUTCOMES**

WORKSHOP FACILITATOR:
HARIESH K. SANKARAN

TOTAL GROUPS : 40
DATE : 8-9th SEPTEMBER 2020.

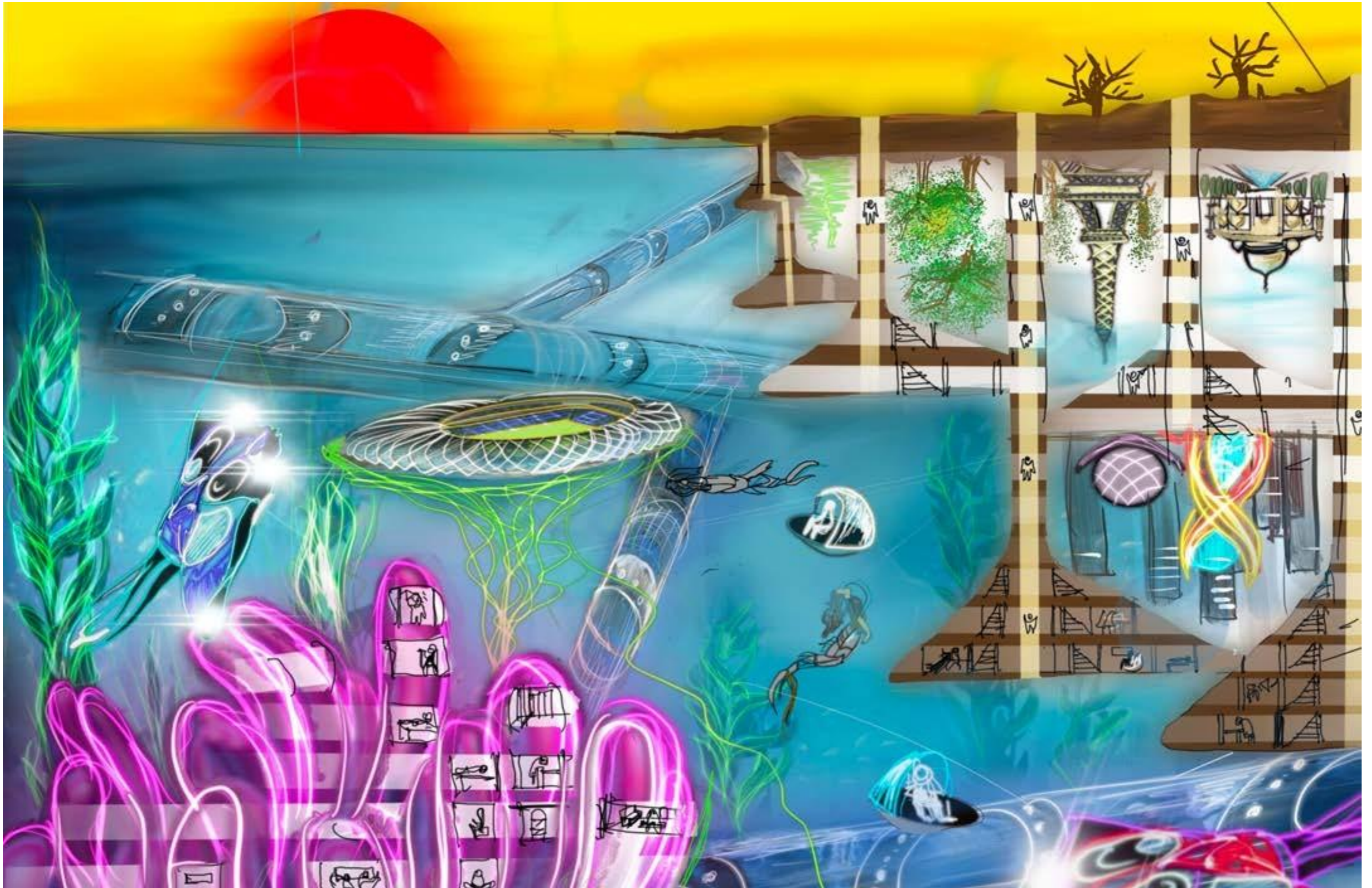


SPACEBEAMS

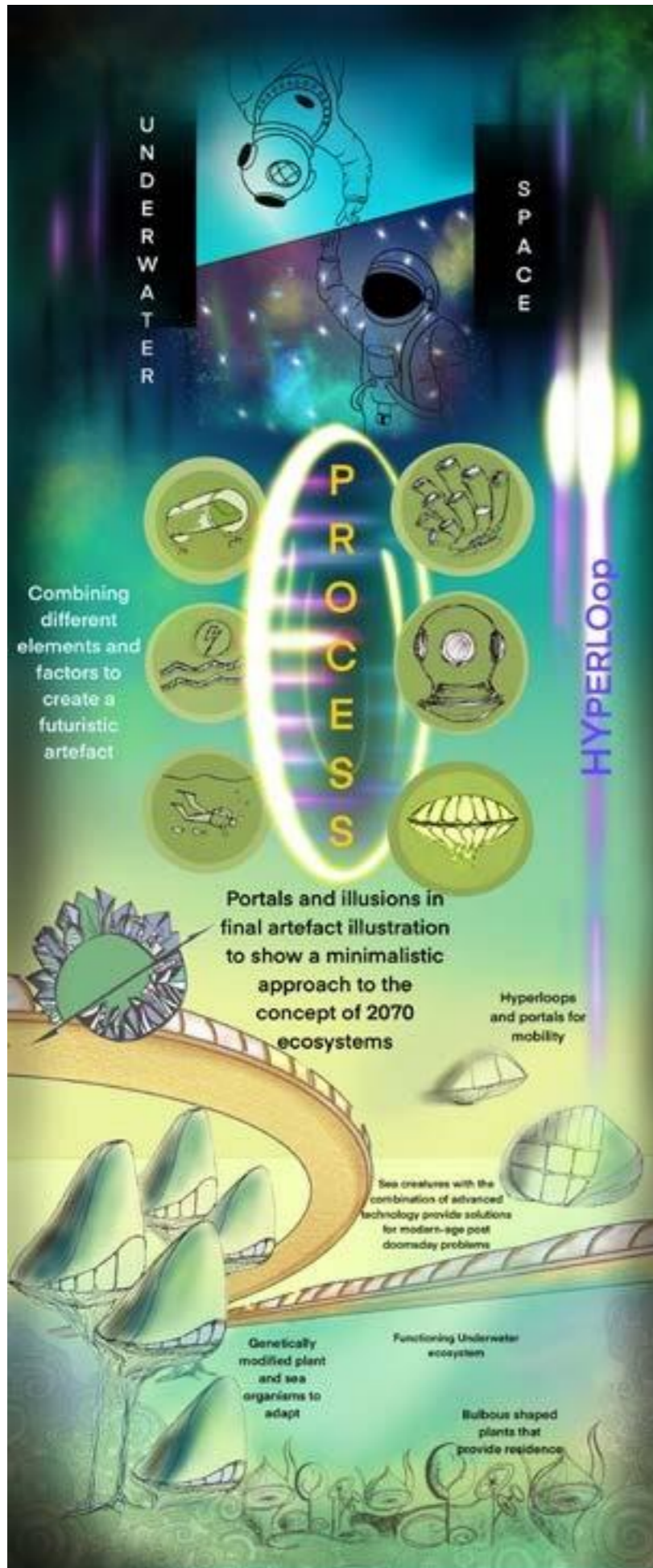
Its been almost 5 decades since humans came out of the pandemic isolation. It's fair to say that they learned their lesson and the time helped them in coming up with some fun ideas, given the longing for human interaction they have gone through during the big Challenge like COVID and back up options if these situations arise again. if you think humans are the only ones who evolved then sorry to disappoint you because u are wrong. earth has gone through major changes too.

Round and flat Earth takes a back seat. When I look out of my window now the Earth is a distorted one. It looks like an amalgamation of different types of 'amoebas'. And the fragments that broke out during the meteor shower in 2030 have started floating around the earth's orbit suspended by gravity. And we started inhabiting the fragments to give a proper picture. Its like earth is a sun and the fragments are the planets. transportation between these fragments, "floating Islands" as we call them. The earth is through teleportation. we have a portal at the end of each street and that's how we travel from one island to another. The process of teleportation is what we call beams. Like we say "I need a good laugh so I beamed to laughing island". oh! whats this laughing island u ask? Well! that's a fragment filled with clouds of laughing gas. I am not a huge fan but when you want to have a good laugh and you can't find any reason then that's your destination. sounds absurd but believe me when I say it gets too crowded on Monday evenings that it's almost difficult to beam there if you are not early enough.

The coolest and my favourite part about the transformation of our lives is the fact that we can teleport our homes with us where ever we would like to go, either it is to the ocean island or to the cliff edges in the mountain island or wherever. We mostly work from home and our children learn from the practical aspects by observing and travelling through space. there are so many aspects that have to be developed in the coming years and we are happily looking forward to it. and there are few that have advanced to the maximum like transportation. I mean, we practically have no pollution by vehicles since we have teleportation and we use bicycles to travel on the island. It's as cool as it can get. skyline filled with beautiful clouds and floating islands around the earth. Green spaces filling the horizon and peacefulness of the night. its been almost 30 yrs since I heard a car honk and we don't miss it... now u have to say goodbye I finally retired and am standing in front of the huge gate (portal) to shift my home to the meadows of Greenland island to settle down.



UNDERWORLD 2070



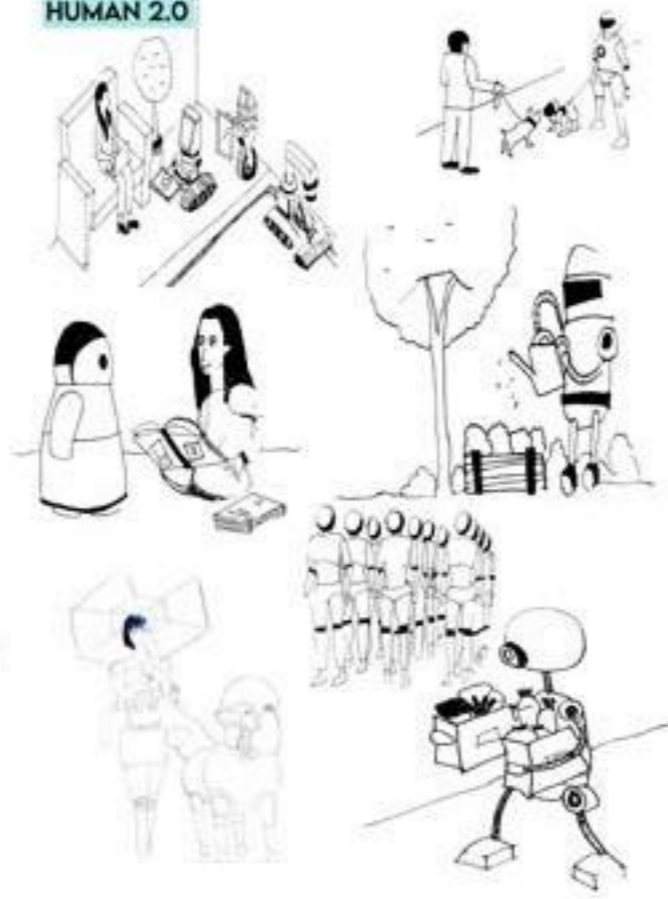
UNDERWATER-SPACE 2070

GROUP A
SUB GROUP -7

ECOSYSTEM:
SPACE
AIR
ENERGY

FACTORS:
HUMAN 2.0
MOBILITY
ENERGY
HOME
FOOD

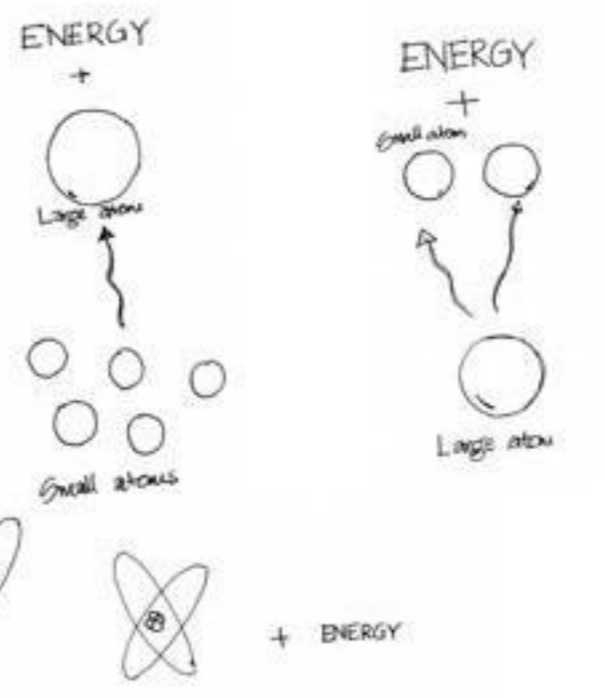
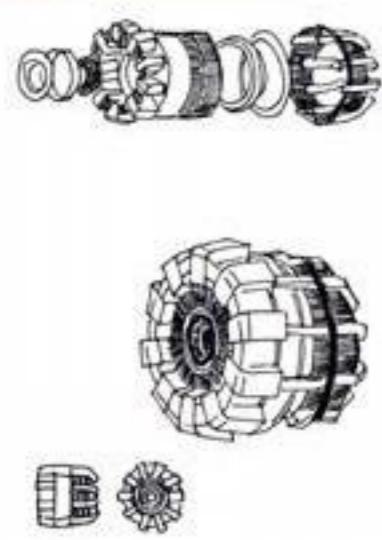
HUMAN 2.0



FLYING CARS- MOBILITY

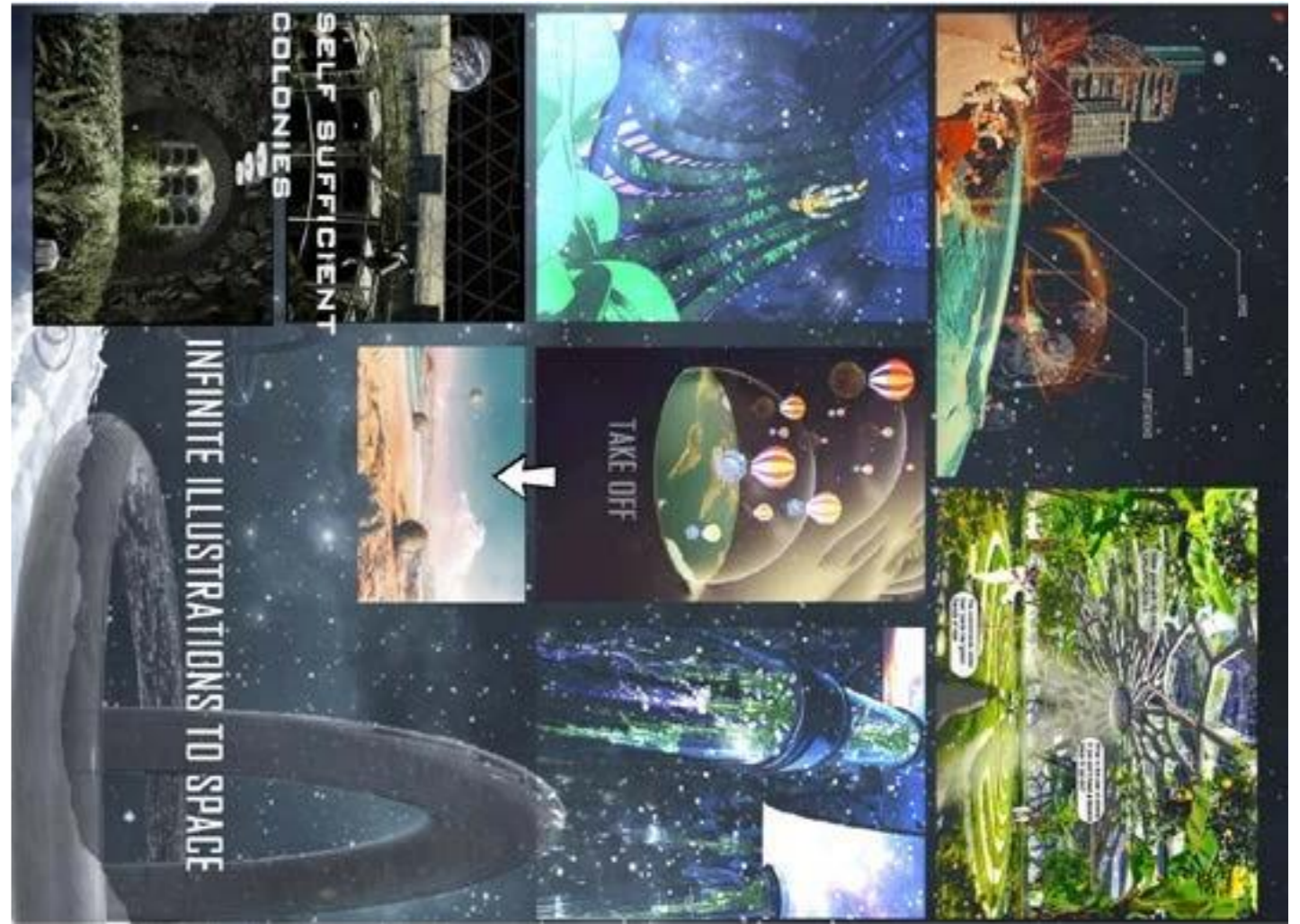


ENERGY

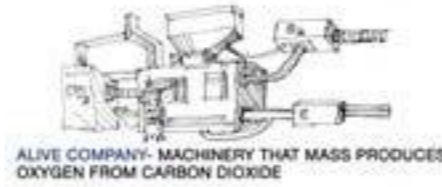


Two deuterium atoms combining to create a hydrogen atom and energy

The Arc Reactor is in the most basic sense, a fusion reactor. As we know, fusion involves the nuclear reaction between 2 lighter nuclei to form a heavier nuclei. The circular part of the Arc Reactor tells us that there are highly energized particles moving in a circular path due to magnetic field acting upon them, and thus generating energy through collisions, much like how the Large Hadron Collider works in real life.



SATELLITE SUBURB



ALIVE COMPANY- MACHINERY THAT MASS PRODUCES OXYGEN FROM CARBON DIOXIDE



TECHNOLOGY IN THE FUTURE WOULD BE HEAVILY DEPENDANT ON SOLAR RADIATION.



FLYING STADIUMS FOR ROBOT RACE, FLYING CARS TO COMBINE MOBILITY AND AIR



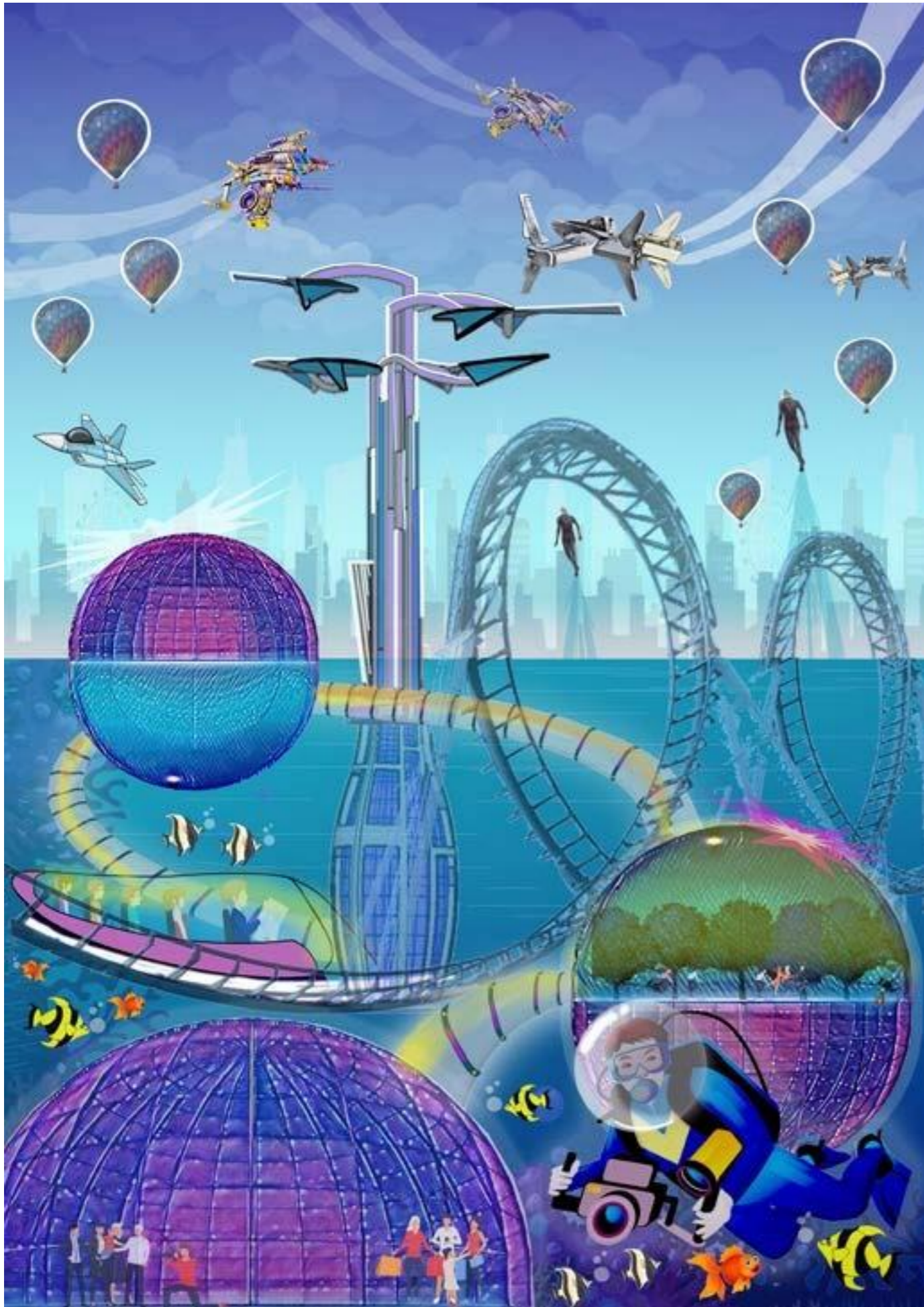
IMAGINING THE WHAT THE FUTURE WOULD LOOK LIKE IN 2070



A FUTURE CITY OF 2070

AIR AND UNDERGROUND

In the mid century, after a lot of pandemics and calamities occurred, the year 2070 shows a drastic recovery w.r.t issues faced in the past and reimagines and creates a habitable environment for all. During this time the habitants started moving vertically, utilizing first the possible surface area and then to air and underground. The Urban Landscapes have been built on the surface, above the surface and underground too. The activities started happening above and below the surface. The issues of Urban Design and Traffic minimized and it all started supporting the Tourism, Mobility, Sports, Culture, and Farming sectors. Thus, the planet is imagined as a possibility and prediction on both negative and positive sides.



A LOG OF THE TIME TRAVELLER



RIPAN

Water and sea are like the two star crossed lovers who never get to meet in reality. The only time we get to see them together is at the horizon. This horizon is a symbol of a harmonious relationship from a distance. Considering the present rate of global warming, the sea level might rise and devour the lands that humans seem to conquer. So, in the future, we could foresee a life under the water and over the clouds.



ALTERNATE REALITIES : MASTER OF OUR EXPERIENCES

The rapid development of AR, VR and artificial intelligence would lead to their eventual integration into every niche of our lives. Our concept revolves around the possibility of a future wherein our reality could be altered to such an extent that our experience of this alternate reality would stretch beyond just visual input but rather we would be able to actively participate and determine the reality in which we want to exist. These options would be an outcome of the user's preferences and the available resources where the user plays the role of a world builder.

The experience lived through to the user could be selected from the options offered and the world experienced by the user could be placed anywhere, ranging from space, air, underground or surface ground. This difference in our mental presence would be simulated and stimulated by the advancement in our technology which will allow us to become an integral first person point of view in this simulation. The physical environment surrounding human 2.0 will have little to no influence on their experience of this world. The concept aims to deliver alternate realities wherein by 2070, the factors of energy, mobility, tourism etc would be heavily redefined and these are represented through the optional realities that the user faces. Each of the options offered also illustrates the urban landscape and the architecture representative of 2070 with their various forms and their utilities.

The illustration represents the process of a human 2.0 choosing their reality and immersing themselves into it. This vision of 2070 also extrapolates on the phenomenon of the mandela effect wherein people remember experiencing situations that did not happen. And this effect is generally used to explain the existence of parallel universes which is where our concept of people experiencing different spaces within a single unit space is derived from. A shared physical space but differing mental experiences, thus truly making humans the master of their own experiences



THE TALE OF TWO WHEREABOUTS

GROUP - 36

THE TALE OF THE YEAR 2019 OF HOW IT HAD LOST EVERYTHING FOR TAKING ADVANTAGE OF THE GRACEOUS EARTH IN CONTRASAT WITH THE WORLD 2070 WOULD BECOME. LOST CITY OF ATLANTIS WILL RISE UP AGAIN. ONCE MORE TO RESTORE TO ITS FULLEST GLORY AND MIGHT.

HOW IS THE BUILT ENVIRONMENT GOING TO BREATHE UNDER WATER/GROUND?
 HOW COULD PLANTS BE HARVESTED UNDERWATRE/GROUND?
 CAN WE SUSTAIN A LIVELIHOOD THERE? LETS LLOK UP THE FOLLOWING SKETCHES AND CONCEPTS IN DETAIL.



THE TALE OF THE WHEREABOUTS

When the sun sought to show no mercy and the glaciers of the paradigm melted. The whole world was shaken and brought to dust. A few who made their escapes has run into the darkest and deepest places to keep them alive. The year 2019 where everything seems to be alright from a distant but from up close, we could see the urban decay to cradle.

The comic (sketches) talks about how a young man bound himself to prevail upon and time machine, Tardis and enter into the city of 2070 of earth. The man hits a new place and finds himself in a dry land and eventually realizes that there is civilization under the first strata of the earth's surface. (ref. pic no. 0)

That's when technological advancements and human evolution provided another way. A way to rehabilitate the water kingdom and they coexist by expanding the opportunities provided by the Ground scape.

A time traveler from 2020 could not believe his eyes. The humans, 'human 2.0', swam amongst the fishes as if their own bodies biologically evolved gills which helped them to breathe under water.

The ecosystem conserved within the domes had the buildings built upside down. It all looked rather like a dream than the future.

As he progressed he saw the transportation vestibules and the new age transit systems.

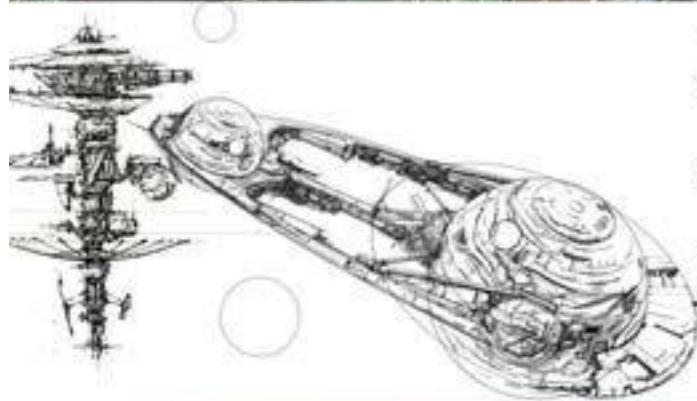
In an environment where oxygen and sunlight were completely absent the food was grown inorganically in these self-sustaining pseudo ecosystems, enclosed within the dome like structure.

And what about The urban landscaping? Well, It got a whole new definition. From underwater domes on the ocean bed to upside down living modules, to the various stepped underground abodes, everything that he knew about the concept changed.

2070 is a year unique, for any time traveler needs to embrace himself to experience the unforeseen.

NOTE: Let us all hope for, where there is a will, there sure seems to be a way made by someone which faith. Let us battle with COVID - 19 with the same likeness such as the of people in the year 2070.

2070 timeline



scope of speculative designing for the food production when the land is been oppucied by various industrialised structures. The mode of transportation would be space elevations and sky scrappers.

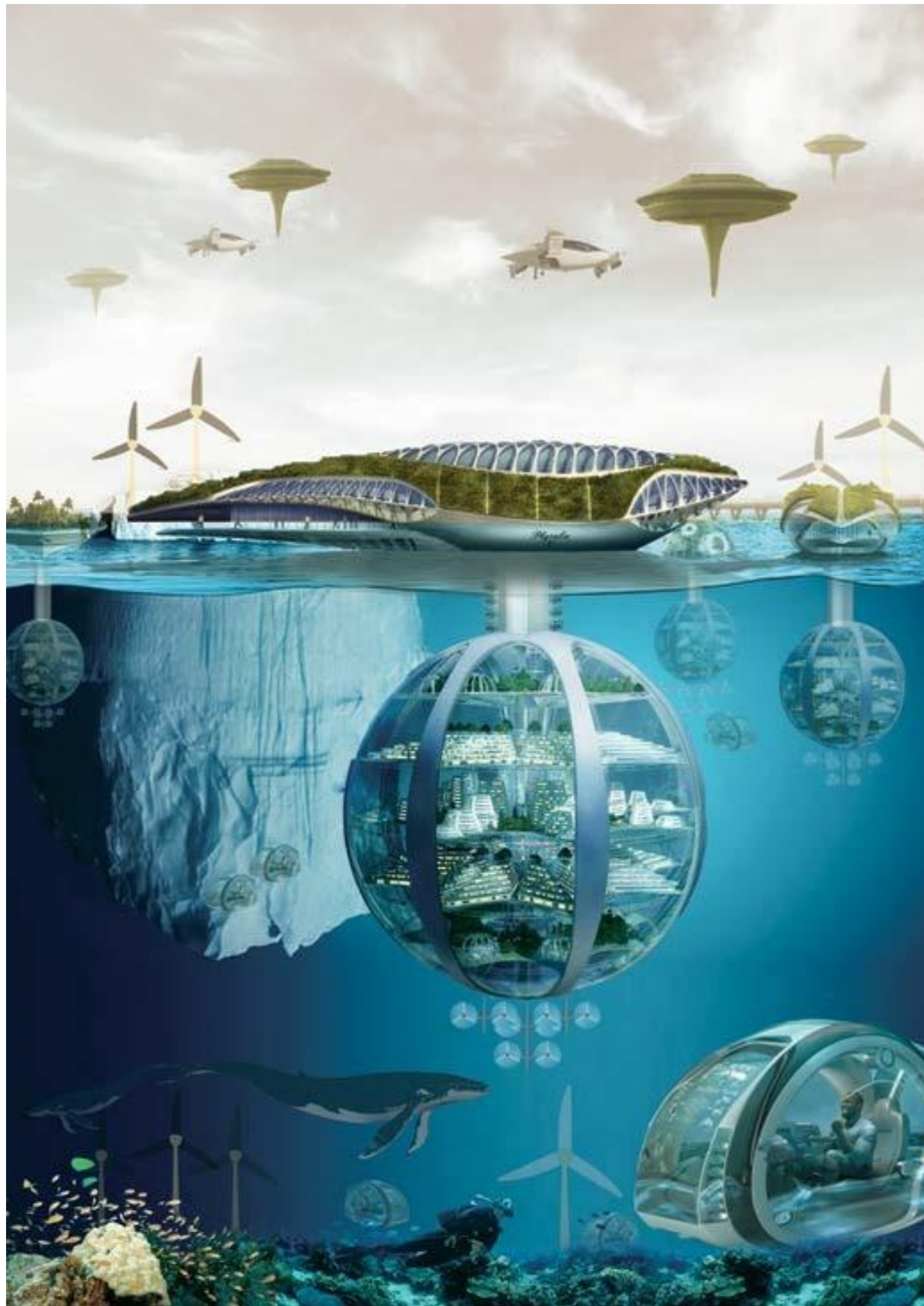


Isolation pods for the air borne diseases in order to avoid the spread.

SPACE HABITAT

As the outcome of the dice rolling game, we got space and surface ground as ecosystems which made us think of the possibilities of human settlement considering the above two scenarios in mind. How about an idea of a sustainable living habitat beyond the boundaries of earth which caters to all our needs and is possible enough to be achieved by 2070?

On these lines, we thought of an idea of a suspended supertall building habitat which will be somewhere between the land and the outer space like International Space Station but will cater to the masses and will fulfill all our needs as a society.



ARCADIA

Today as we combat the pandemic, what kind of world will we have in just 50 years from now? The marked rise in average global temperature up to 5° C, has resulted in elevated sea levels leading to submerging of coastal areas. Also increase in population has forced the human race to think of alternative ecosystems to survive. While the two approaches, glass half-full and glass half-empty are constantly debatable, we foresee underwater and air as the two predominant ecosystems for human habitation.

Humans have successfully carried out extensive studies on marine ecosystems and ocean surfaces leading to development of technologies to build underwater cities. Keeping in mind the disasters already done to earth, humans are now realizing their responsibility to coexist and trying to build resilient, self-sustaining cities. Factors like Energy, food, shelter, tourism and urban landscape have been given utmost priority. Harnessing renewable energy sources like solar energy, wind energy and tidal energy has been considered mandatory.

There is a major breakthrough in materials for first generation tidal devices. Deep water wind turbines are put to use by means of piles driven on the sea floor. Now that the community has become predominantly dependent on underwater ecosystems, extensive experiments have been carried out on sustainable aquaculture. Humans try to produce their own food through techniques like agritecture and hydroponics.

The growth pattern and cityscape is basically categorized into floating and underwater. The business districts are basically the floating units enabling easy commute while the residential units are partially underwater structures. Specially designed shafts enable the vertical movement of the underwater houses to ground surface and above, responding to sun's movement and climatic conditions. Also the urban settlements form the periphery enabling them to grow in a systematic pattern as the city expands with time. Further, the cityscape is designed and developed to enable growth in tourism, which is considered as one of the key factors to improve the economy.

The ultimate takeaway from the utopian city is that, today's biggest threat, climate change can be conceived as an opportunity to bridge the resource accumulation in first world countries and the scarcity in second and third world countries by developing socially interdependent communities by creating self-sustaining cities.



2070MKE

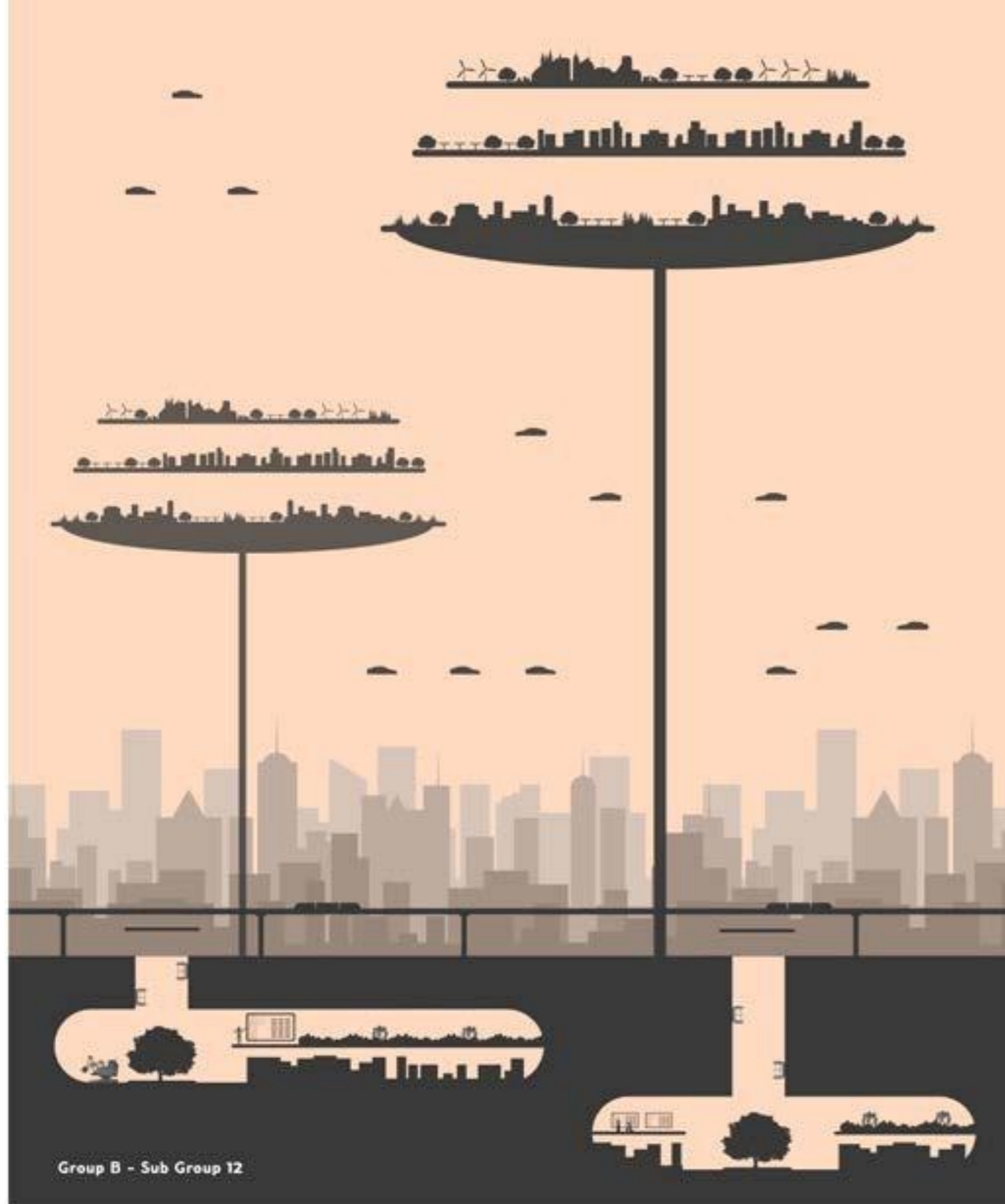
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AS ABOVE SO BELOW

THE 3 DIMENSIONAL LIVING OF 2070s



Group B - Sub Group 12

AS ABOVE SO BELOW

Envisaging a future as a protopian society might be wildly optimistic. But there lies no harm in trying to hypothetically ration the deeds of us humans and think superficially to what the future holds.

As no other civilization has ever produced so much ugliness, man will eventually need to recognize that as they continue to build further on, there will come a time when they'll deplete all surface resources ensuing to have no other alternative but to dwell anywhere besides on land. The idea here is to take a little halt at picturing the future with high-rise concrete jungles for Eckhart Tolle once said that "The mind left to itself creates monstrosities, and not only in art galleries". And so we ought to make a detour from the essential banality in story of human existence on surface alone. And further conceptualizing a future with the world retracing to where early man once started, the caves. And alongside experimenting a new state-of-art habitation in the air, both taking the aid of new technologies.

Speculating a design where fiction would not only be based on abstract ideas but also be working and advancing on something early man developed in the first place. Human 2.0 will be able to levitate in the air increasing chances of social mobility and simultaneously be shifting the civilization underground as well to preserve whatever of the earth will be left. They would be carrying out the rest of their lives in these habitats, while they continue to develop and work. And with this shift there will be more per capita space than there is presently in the crowded urban spaces. The sky being the limit literally will provide ample of recreational space and the multitudes will be free to expand at levels. And unlike before, the landscape will not just mean surface ground but instead the urban scape would encompass three entire spheres that one could never picture before.

The future we speculate and are offering a window into will be an unrefined evolution of present, striving to solve the turmoil we have managed to create over all these years and while in the process, innovating and moving ahead with a conscious and with decisions that will hopefully result in a healthier solutions.



THE ANTIPARALLELS 2070: A FINAL FRONTIER

The concept of upside down worlds connecting the two ecosystems i.e., space and underwater by boundless number of portals and depicting the factors mobility, tourism, human 2.0, sports and energy in the future world.



VAROSEA OF THE FUTURE

It was back in 2020 when the entire world population was alerted regarding climate change. The sun was too bright, there was abundant heat radiation approaching the earth, the pollution, the ignorance from the humans, everything lead to the total exhaustion of the ozone layer within 50 years. It is 2070 now, and humans have started residing and developing cities underwater in order to spare themselves from the extreme heat conditions and to dodge the UV radiation of the sun. Educational systems, Entertainment Spaces, Modes of Traveling, Agricultural Land, Housing, and so on..., have all been shifted underwater. From utilizing pods for remaining mobile underwater to the use of seahorses and dolphins for the end goal of amusement and entertainment, everything that we dreamt of in 2020 is now possible in 2070. (Refer to the poster and the comic video to dive deep inside our thoughts of the world in 2070).



UNDERWATER FUTURE



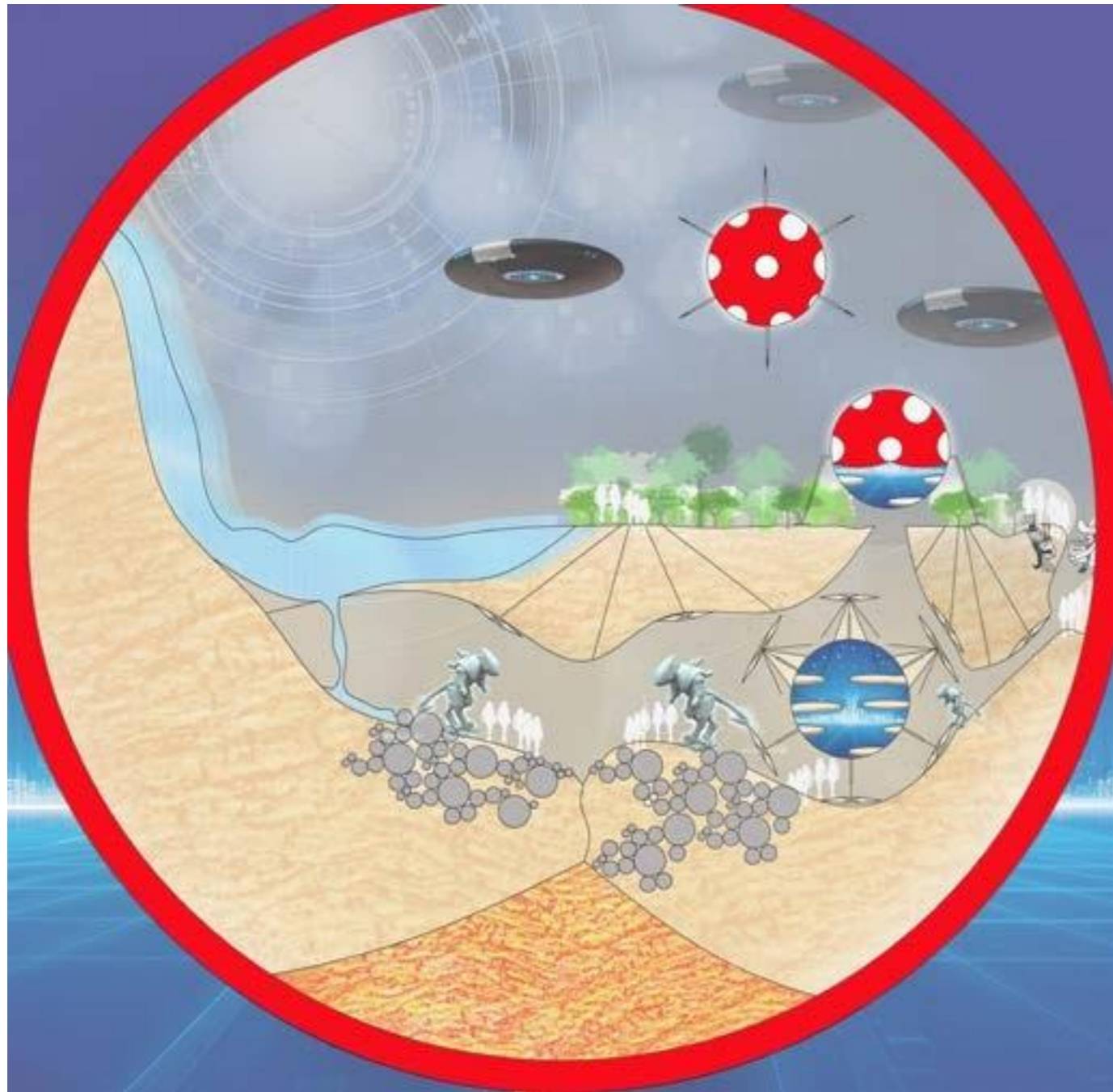
THE WORLD IN 2070

A peep into the future, a glimpse of the changed narrative of existence striking a balance between what we would refer to in today's terminology as real and unreal scenarios. A dive into the world where everything that seems impossible today is mainstream, an experience of this plausible future.



AS ABOVE SO BELOW

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ASPHODEL- BORN FROM ADVERSITY

168 days, since a ray of sunlight has reached the subterranean dwellers. The air underground, what they called their home for almost two decades now, is slowly but surely thinning. The subterraneans blame the surface dwellers for intercepting their share of natural resources, while the surface dwellers have their own reasons for tensions between the two realms. Supply of mineral ore was stopped to the surface, they say.

These grim times jog the memory of destruction, loss of life and habitat on the surface only five decades ago. After repeated unsuccessful attempts by the then surface-dwelling humans to control climate change, ozone depletion and global warming, situations slipped out of hands and nature showed its wrath by melting ice caps, drowning countries, allowing harsh radiation, no control over air, water and land pollution and soaring global temperatures.

These uninhabitable conditions forced the search for a new habitat and like many subterranean and cave dwellings of the bygone world, undaunted humans ventured under the earth's crust and built a sophisticated settlement in a jiffy with advanced technology and machinery at aid.

This venture underground was successful, expanding and coexisting with the live surface settlement. Fair trade of resources like air, light, water, minerals etc., movement of humans for business and dealings between the two realms kept them going peacefully for years now. The surface and subterranean realms were seamless, only like a U-bent ribbon.

After the calamity on Day Zero of the new calendar, the surface dwellers continued their life as before, while protecting themselves from nature's forces. The subterraneans built mobile homes like ant pods under the earth, travelled through tunnels which connected both the worlds to support office goers, trade, virtual tourism and entertainment arenas. The underground settlement brought light, air and water to their realm by excavating deep canyons and light wells. Agriculture to feed the population was practiced on the vertical walls of these canyons, irrigated by the waterfall. Geothermal and hydro power from the waterfalls, power the underground settlement, but it was not self-sufficient in all resources.

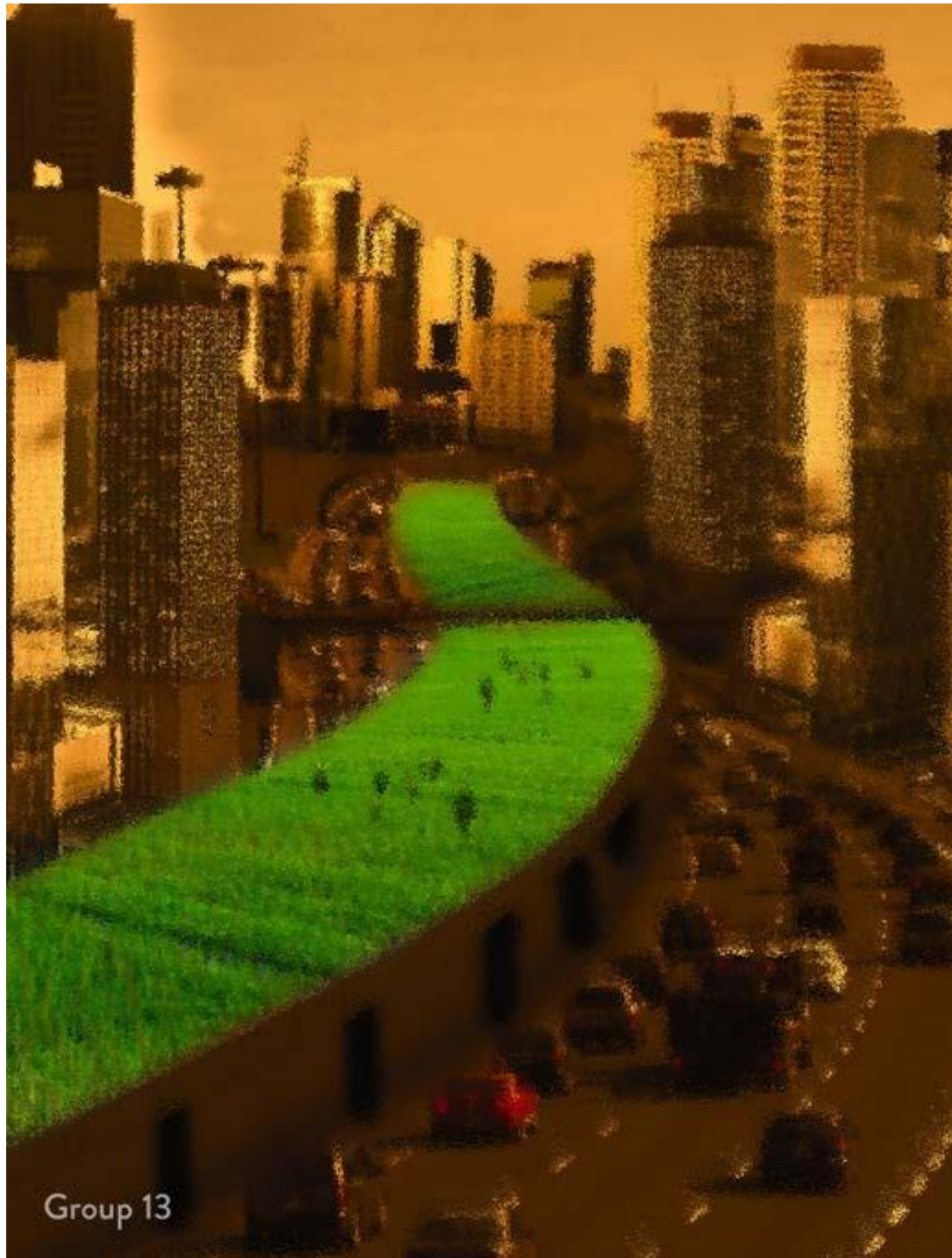
After facing a mortal calamity and years of coexistence, the two worlds turned against each other over natural resources. Lessons to be learnt and Earth to be respected.



SPACE WORLD 2070

2070 is expected to be a POSSIBLE WORLD, where everything could be possible. One such possible thing is LIFE in various ecosystem. The increasingly serious urban space constraints compel us to rethink profoundly the traditional urban planning theory. For generations, human beings have fantasized about the day when people could live on the Moon or Mars. But with all the developments that have happened in the past decade or so, we are coming to the point where some of these ideas are starting to look more feasible. Today, we are exposed to many imaginary worlds and architecture is highly visual. It incorporates elements of fantasy, where robots walk among us and interact with humans. Combination of Space ecosystem with Surface is one of the upcoming technologies which we believe in today's world. But this could be a possible situation in 2070, keeping factors like Food, Energy, Entertainment, education, sports, etc....into consideration. SPACE in today's world means, it's a world of planets n million other galaxies. But this space could be our next home by the time of 2070. We can make all the requirements for a human survival in space which could help to continue the life process. We'll have a better idea in the next decade about the likelihood of these space dreams turning into reality. It seems more realistic to assume that space habitats could facilitate the spread of human beings through space, which includes allowing for settlements on other planets. Space tourism is human space travel for recreational purposes. There are several different types of space tourism, including orbital, suborbital and lunar space tourism. To date, orbital space tourism has been performed only by the Russian Space Agency.

Work also continues towards developing suborbital space tourism vehicles. This is being done by aerospace companies like Blue Origin and Virgin Galactic. In addition, SpaceX announced in 2018 that they are planning on sending space tourists, including Yusaku Maekawa, on a free-return trajectory around the Moon on the Starship.



Group 13

URBANIZATION 2070

Many decades later urbanization reaches its peak, every piece of land will be occupied, there will be a tremendous growth in population, water will become scarce and topsoil will be eroded. Facts state be that around 5 million people are projected to live in cities by 2050 with half of the humanity, the situations in further years full version. The growth in population will lead to food scarcity, food wastage will add on to this problem. Land scarcity will become a major problem which, rises a question about food cultivation. Where will the food be cultivated if one cannot find an open land? Where can we find space to cultivate? Will it be possible to cultivate with the lack of topsoil? Should people survive on preserve and frozen food? How long my those last? Addressing to the above questions the solution is to find a place for cultivation where it has never been done, one such place is above roads. Why not create a whole space above public roads in urban areas for cultivation. Multiple flyovers can be used. This gives an abundant space for growing crops. Tackling the issues of water scarcity and to soul erosion, techniques like hydroponics can be used. Hydroponics is a method of growing plants or cross without soul and less water by just using mineral nutrient solutions. Such techniques also require comparatively less labor reducing effort. Newer and advanced such methods will arise in years to come. Since the spaces are situated above public roads transportation becomes more efficient and easier compared to the present. It also becomes easier tocompost thewaste food due to the presence of dustbins at every 200-300 meters on public roads.It also adds to the landscaping and increases the greenery of the place. Ad global warming is also an increasing problem, more greenery in a particular place helps reduce carbon foot print. The improvements in technology and inventions of new ones complements the above.

As a whole, since food is one of the most essential needs and keeping in mind the present situation, food will become scarce. Hence, creating distinct spaces for its cultivation, along with less necessities and labor will aid the future generations in a very significant way.



SPACE HUMAN

“We used to look up at the sky and wonder at our place in the stars ...”

On Kardashev scale, a type II civilization is called the ‘stellar civilization’ that can use and controlling energy and the scale of its planetary system.

Humanity lies in balance between the optimistic promising future and the probable pessimistic one.

It’s theyear 2070

The human condition is atemporal...

And our lifetimes limited

Humans have progressed far more than they ever expected to. But here-in between lies a disconnect among the humans and surface that provided for them.

The humans float above ground and yet still somehow seem constricted by means of living.

While they might have abandoned their parent planet they still hold their culture sacred. They farm on an urban agriculture landscape.

While trying to move forward they bring their values for the future generation education.

Their urban jungle is mixed with the simplistic agricultural elements, cultivating and producing.

They are so immersed in their lives and activities,while actively perusing their dreams.

Their minds stimulated by a multiple manners of media. They can harness wisdom through each other and distributing it for the mass betterment. They neither touch the ground nor fly through space. They consume more and more as they leave behind their origin. We have walked this far out into the future on a thin red line.

Always pushing for harder challenges, better production and faster results. We have reaped upon our lives and taken it all for us, we have learned our way around as we venture through space and time. Confused and tired we still trudge through these activities to sustain our civilization , always waiting for the next breakthrough.

They struggle to make sense of the world within their reach while reaching for the stars.

We’re both guilty and innocent for always reaching for the infinite.

While our future lies await in sight

farther away and close all the same. Until then....

We will not go gentle into that goodnight. WE WILL RAGE, RAGE AGAINST THE DYING OF THE LIGHT.”



AIR AND UNDERGROUND

With the rapid growth in the population and advanced levels of technology, led to the limitations in horizontal growth of the city on land. This made the population to search for some suitable places to live in and finally came up with the development of liveable spaces in air and underground.

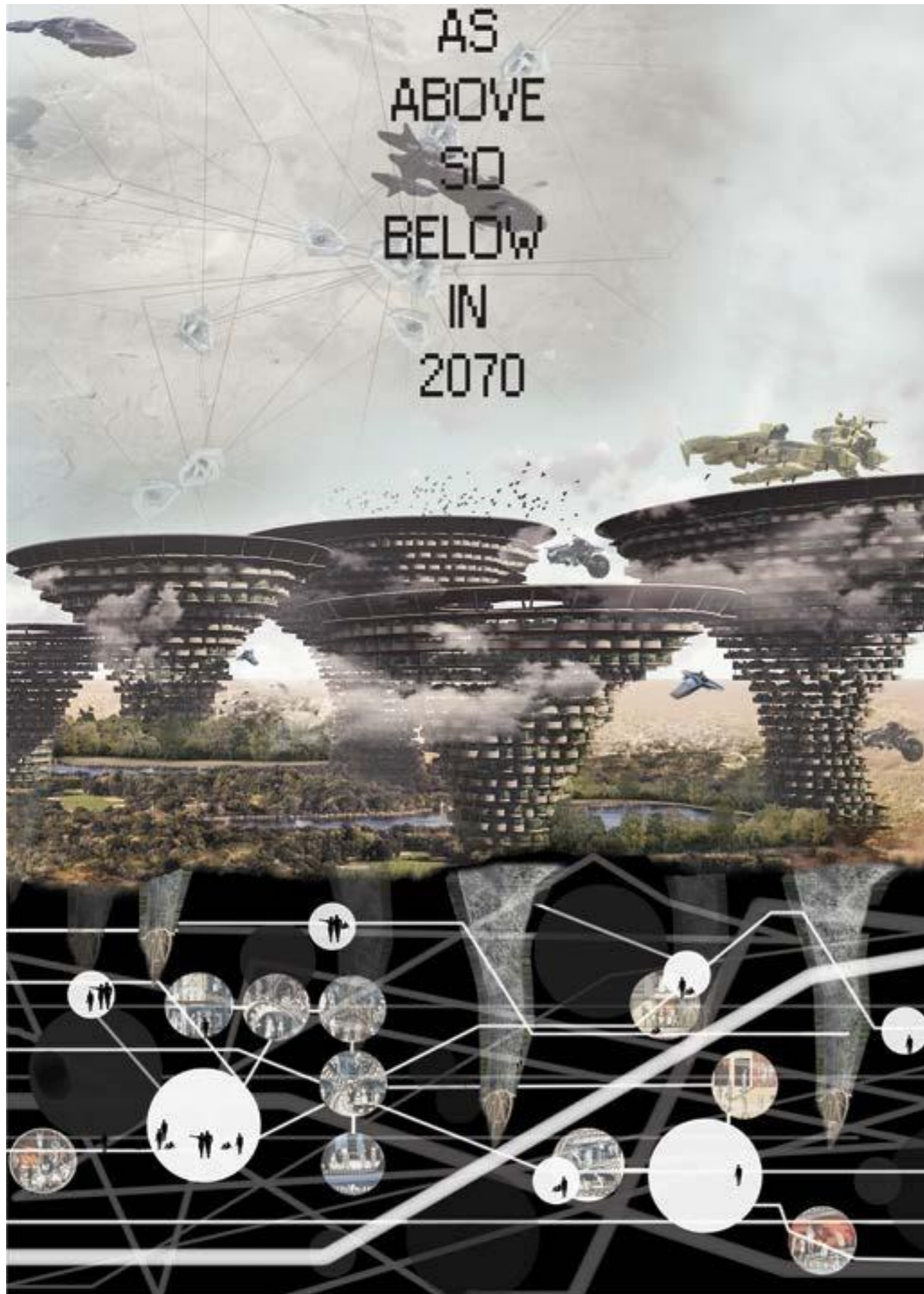
So, we are looking at the cities of the future that have blurred boundaries between sky, surface and underground. With the drastic change in the city fabric and the introduction of better and efficient means of transport. A lot of underground spaces like the older metro stations got decommissioned and turned into public spaces like underground gardens, spaces for food production by using technology like remote skylights that can bring in the sunlight from the surface to the underground using optical fibres and parabolic reflectors.

The fantasy of being with the clouds, travelling with them and becoming a part of them can be seen in the near future. Where the new air holsters are ready to host everything that we need.

These could be a cluster of bubbles that take the form of a cloud which are flexible as well like the normal clouds and change depending on the situations. Some of the clouds can be the power houses which generate the energy required for its self sustenance, some of them can be the maintainers of the cloud which takes care about the thermal comforts of the cloud, some could be the entertainers, and some could be the habitable, and some could serve the purpose of mobility



MODERN ATLANTIS



AS ABOVE SO BELOW

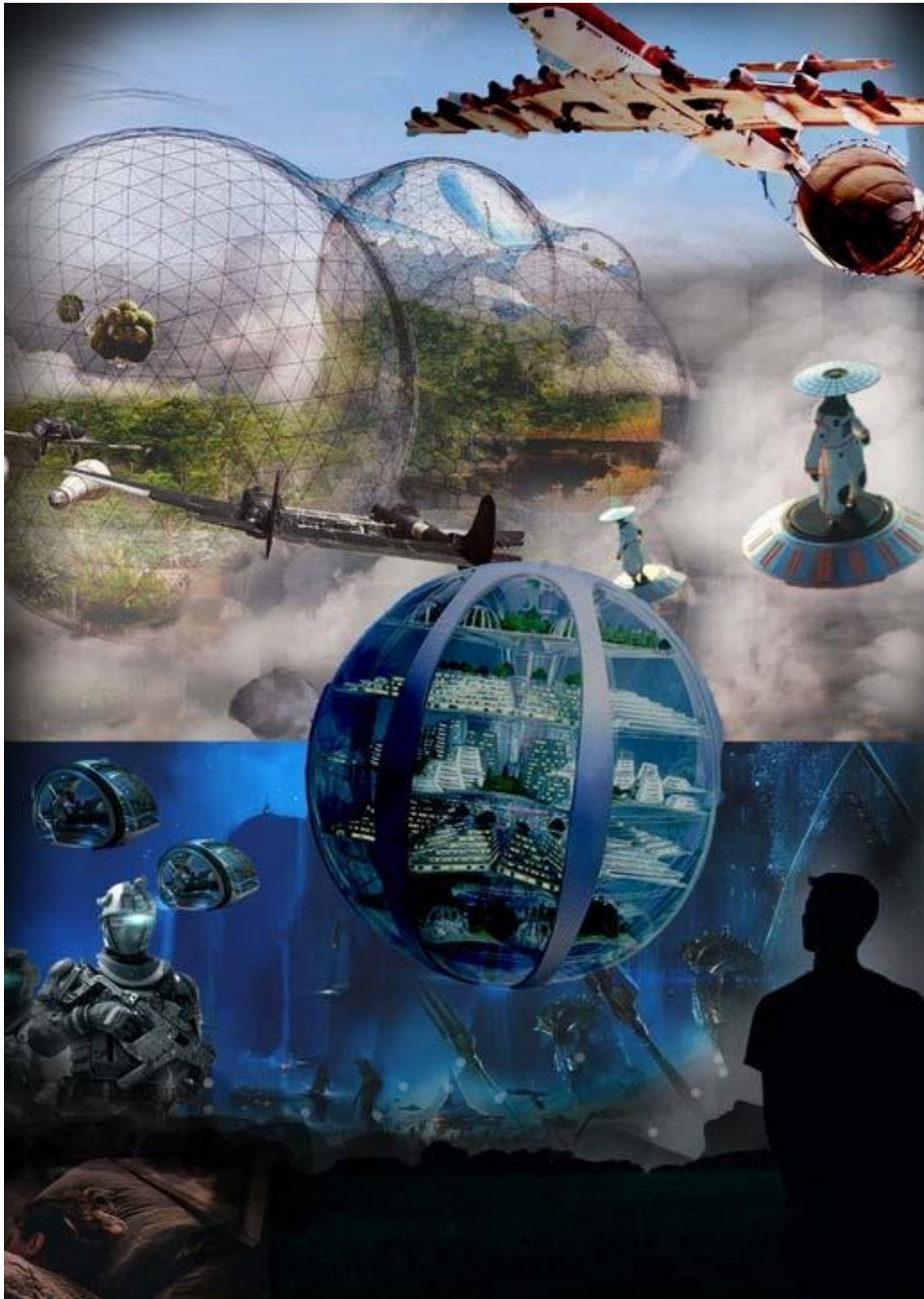
What's faster than Light? Imagination. Fast enough to zoom into 2070 and take a peek at how Underground and Surface ground have fused into a fantasy sci-fi utopia. When Work, Home and Landscape are fabricated seamlessly with subterranean lifestyle, what results is a speculative dimension of existence. Cities shall be merged into single units of architecture, which connect with each other mimicking the arrangement of termite mounds. An otherworldly creative process modifies city units as a duo of super and substructures. The world intends to hibernate in the substructure.

Passiveness and dormancy shall happen in here similar to the lives of subterranean creatures. Likewise, the superstructure will be bustling with life during the activity times with entertainment, agriculture, transport and other ancillary facilities. The futuristic tech shall move these superstructures, making them a dynamic mobile marvel. These structures are connected through puzzling tunnels and shafts to enhance their enigma and increase underground circulation. The shift of a major functional space underground, leaves ample prospects on the surface for agriculture and solar power harvesting, thus succumbing to the mounting resource demand. The Urban farms, and green pockets effortlessly interlace through the structural networks achieving biological and mechanical balance. A true utopian experience is felt when work, home and urban landscape amalgamate into each other to create a sustainable world. The barriers between sub terrain and surface are lost when the superstructures and substructures merge into each other. Future of work, home and landscape is dynamic. Architecture and Robotics shall greet each other to manifest the speculative 2070 world.



THE REFUGE

As we all know in a hypothetical situation in 2070 our group imagines the scenario as the space would be our next refuge after earth as the future brings more innovational reforms to the society everyone would have access to free energy and by 2070 most humans would have evolved into humans 2.0 which would directly gain energy from the sun and food won't be a priority .our group went through a thorough discussion with many ideas one being a group of satellites forming a shield around the earth as after apocalypse when ozone layer is depleted and polar ice caps have melted the refuge will be space and the network of satellites with large space station controlling them would be the last suffice for human beings in this case. we also discussed the energy forms as sun being the epitome of energy for our solar system we would have gained the technology of gaining energy from the sun and evolved and uninvolved humans would be living in space as well as earth and the barriers of caste, creed and religion will be over and all would represent the earth as humans as after 2070 advancements would be available to reach outer planets and meet extra terrestrials and would learn new concepts from them. To conclude i would say that space is our last refuge after earth.



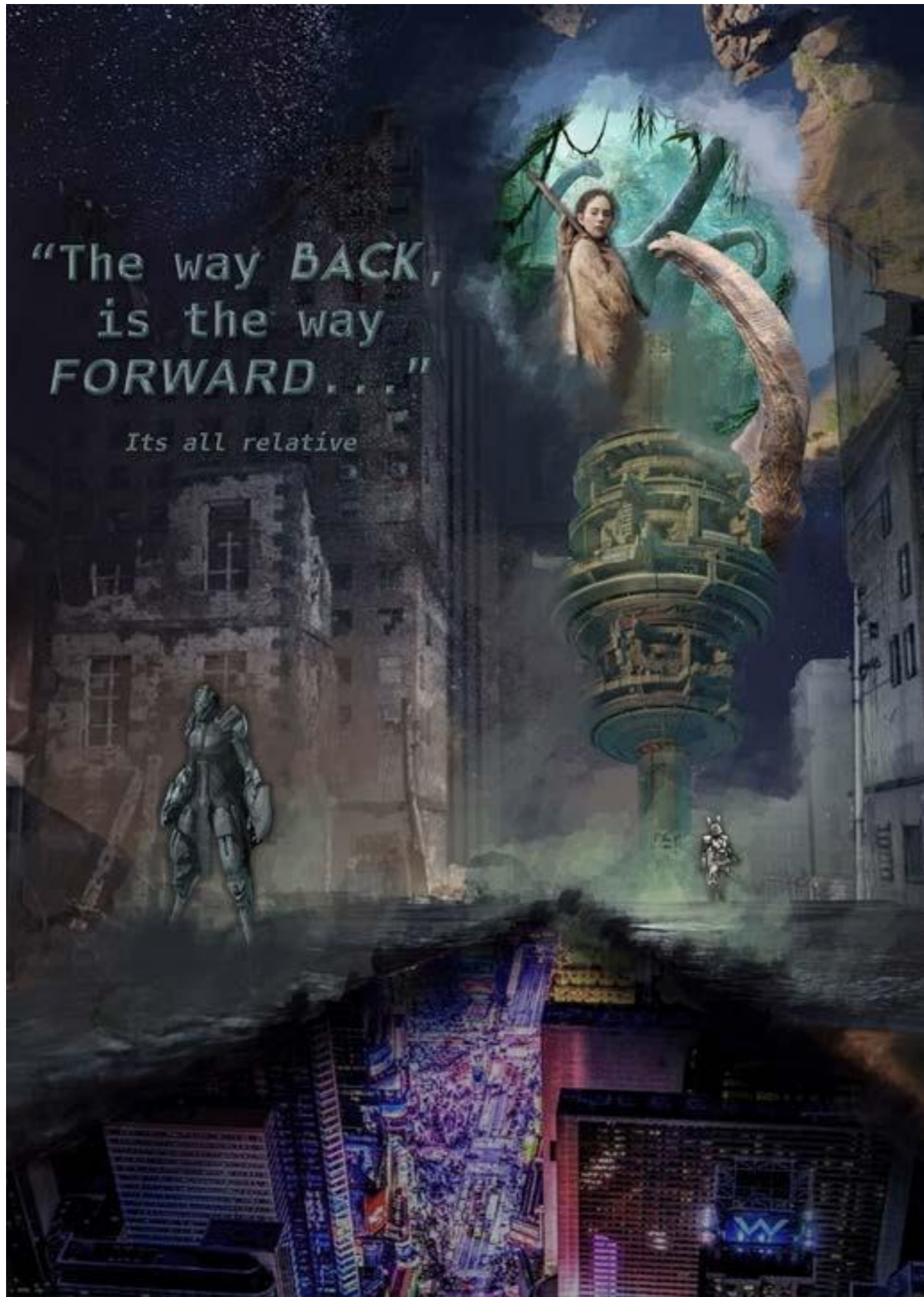
ANOMALI

On one bright day, Tim heads to a park. He lays down under a tree while pondering over the futuristic living of the planet Earth. He wakes up to a rumbling sound and looks around. He finds himself wearing a suit inside a capsule with a remote in his hand which is AI based. The remote aids people to create a module around them depending on one's requirement of the space. He accidentally pushes a button that converts the module into a car and moves swiftly.

There are many tunnels all over the underwater leading to various destinations. He drives through the tunnel perceives that the humans are on charging suits which keep them active all the time and enables them to work round the clock without food or sleep. Tim finds this as a back-breaking feature. The workspaces are large-sized hardcore bubbles which can be accessed through the tunnels linked. He then sees people wearing diving suits with masks over their faces, working on the advanced underwater turbines which produce hydroelectric energy. The energy produced from deep ocean tides is renewable and a clean source. The power produced is being transported to the power stations, where the vehicles get charged.

As he drives out of the tunnel the car transforms into a flying vehicle. There's a world of clouds in the air. Tim was rather taken aback to watch people flying in the air with flat pads over their heads and under their feet. The mobility in the air is exhilarating. He sees offices and houses built on clouds as hardcore large bubbles. People are harvesting freshwater from clouds. He astonishes for the world he sees and hits a building in the air. He gets knocked out and wakes up to an apple by his side.

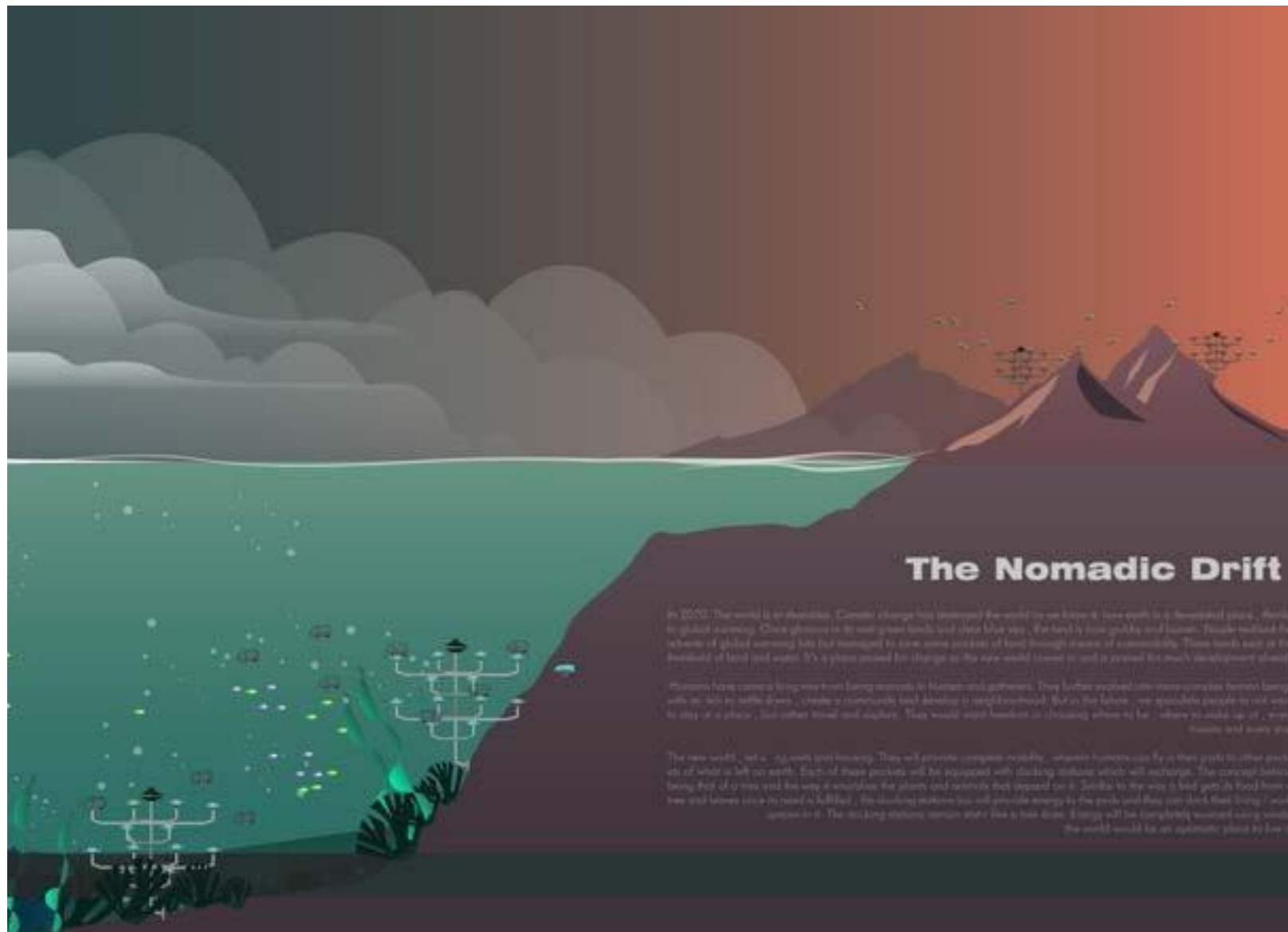
He reckons that the future is unfathomable, perplexing, and mystifying



SPACE UNDERGROUND

As the world struggles with a pandemic, there is a global shift in political power and autonomy over continents. Mankind struggling to reestablish its control over nature, is instead rapidly losing control over everything that it has built across centuries. Social structures, organizations and regimes collapse like a house of cards. While already in the throes of a war against a virus, the world is slowly unravelling into its worst imaginable version. As humanity takes a perpetual backseat and fascist leaders choose barbaric warfare above all else, the world that we once called ours ceases to exist. Nuclear warfare has now painted the sky a stark black, invisible radiation poisons the land and air from which the civilization had once risen. The poisoned black souls complement this new world they painstakingly created out of greed, brutality and inhumanity. As civilizations upon civilizations are wiped out, an advanced group of human explorers, contemplate alternate realities that could make life on Earth possible. The once savagely exploited land now provides an appealing sanctuary. Cavernous cities are meticulously planned and dug into the land. The underground is now home to an advanced human civilization. It is the year 2070. The new world has evolved to counter the many challenges it faces. It is harsh and sterile much like the humans that inhabit it. Nameless and faceless, they exist with a motive to survive and establish a link between the past, present and future.

A portal connects them to the past. It provides an insight into a world they can no longer remember. This idyllic world is an untouchable fantasy. The idea that this had at one point in the great timeline of mankind, been the absolute reality is unfathomable. Our future looks up at our past with a sense of painful yearning and an inherent sense of regret for all that was lost. Our past looks down upon our future, via the same portal, amused and indifferent. There is not a semblance of affinity between the two civilizations. The only thread that binds them is the portal of time. It's high time we realize, the portal is us, the present; we hold the greatest power. We can remember the past, learn from it and transform the future.



THE NOMADIC DRIFT

It's 2070. The world is in shambles. Climatic change has destroyed the world as we know it. Now the earth is a devastated place, thanks to global warming. Once glorious in its vast green lands and clear blue sea, the land is now grubby and barren. People realized the advents of global warming late but managed to save some pockets of land through means of sustainability. These lands exist at the threshold of land and water. It's a place poised for change as the new world comes in and is primed for much development already.

Humans have come a long way from being nomads to hunters and gatherers. They further evolved into more complex human beings with an itch to settle down, create a community, and develop a neighborhood. But in the future, we speculate people to not want to stay at a place, but rather travel and explore. They would want freedom in choosing where to be, were to wake up, every minute and every day.

The new world is set underwater and, on the surface, the ground is functioning on pods. Pods have become a new way of living and livelihood. Providing flexibility in space, they act as both remote working units and housing. They will provide complete mobility, wherein humans can fly in their pods to other pockets of what is left on earth. Each of these pockets will be equipped with docking stations which will recharge. The concept behind being that of a tree and the way it nourishes the plants and animals that depend on it. Similar to the way a bird gets its food from a tree and leaves once its need is fulfilled, the docking stations too will provide energy to the pods and they can dock their living/workspaces in it. The docking stations remain static as a tree does. Energy will be completely sourced using winds. The world would be an optimistic place to live in.

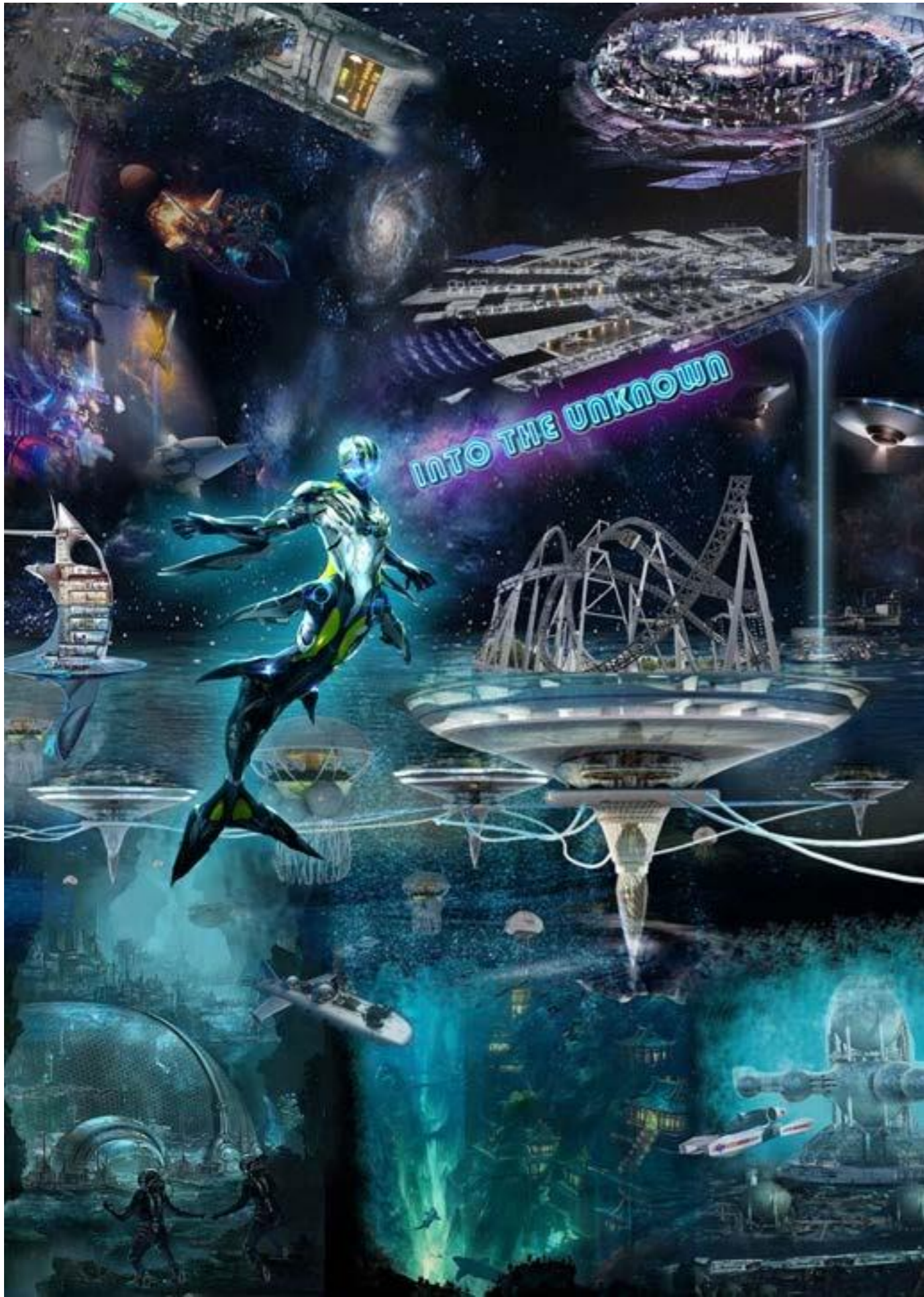


FUTURE IS OUR SPECULATIVE FICTION

Exploring what's beneath and above the ground in 2070. Postulating fifty years into the future is an intriguing experience. It requires one to forget all notions of what is possible and impossible, what's true and what's false. We take this bold step to imagine the changes our homes, food, landscape, transit and tourism will have. It's said that one does not know that strawberries taste sweet unless you hand them a sour lemon, similarly there is no good without evil and utopia without dystopia. Reporting from moon base was the American dream but in the year 2070, one could be living on another planet. Existence is the bare minimum of life. "All moments, past, present and future always have existed and always will."

If the string of life is not held tight, the pearls of the future are going to stumble on the present. Action has consequences. Considering our current scenario there is a fifty percent chance that the consequences are dark, dull and should be feared for. But when there is a will there's a way. One always tends to romanticise the future in terms of development and technology. Depicting multiple possibilities of future outcomes shows an inability to coin on one and the lack of expectancy. Now we stand here with only our souls to hold onto until some vaguely intense and suspenseful winds of the future approaches. All we can do is be hopeful, that the future gives us absolute control over every living soul.

People change with the tides but all the virtues of life exist under the iridescent skies. Future and us are similar, we both are untuned songs and unfinished scripts. What started with the Big Bang thirteen million years ago was unimaginable by humans and what is in it for us in the future also is. Uncountable theories have been formed and practiced for numerous number of years. "The brain is wider than the sky" yet no one can decipher the future. Are we right or are we wrong, we will never know until the future becomes our present.



INTO THE UNKNOWN



SPACE AND SURFACE GROUND



SPACE UNDERWATER

HUMAN 2.0

- underwater human evolution

Evolution has got us this far, helping us thrive. We considered the likelihood of evolving into a reptile or an amphibian like body that entails body parts like webbed limbs and gills.

HOME

- no land left to build On the course of increasing population and decreasing space, we are going to be faced with a shortage of buildable area. Thus the possibility of underwater constructions.
- connecting alternate pathways to connect land and water Connecting 2 ecosystems would require special transit that sustains life in each and co exist if needed. E.g. Connecting one building to another underwater which acts like buffer pathway to avoid collapse of any ecosystem.
- inhabiting other planets and the availability of commercial transportation. The most probable solution to the dying planet would be inhabiting other planets in the solar system. With the advent of commercial transportation, this idea is not far fetched.

FOOD

- hydroponic farms

Extrapolation of the idea of growing crops without soil, by using mineral nutrient solutions in an aqueous solvent.

- Controlled inputs to vary the outputs A lot of factors influence the growth of plants and vegetables like sunlight, air etc. These factors can be changed to produce a new species of edibles that is not even existing. For example, the growth of plants gets affected by gravity, what can happen to the same plant if it is kept in a simulated gravity.

TOURISM

- vehicles for tourism in underwater

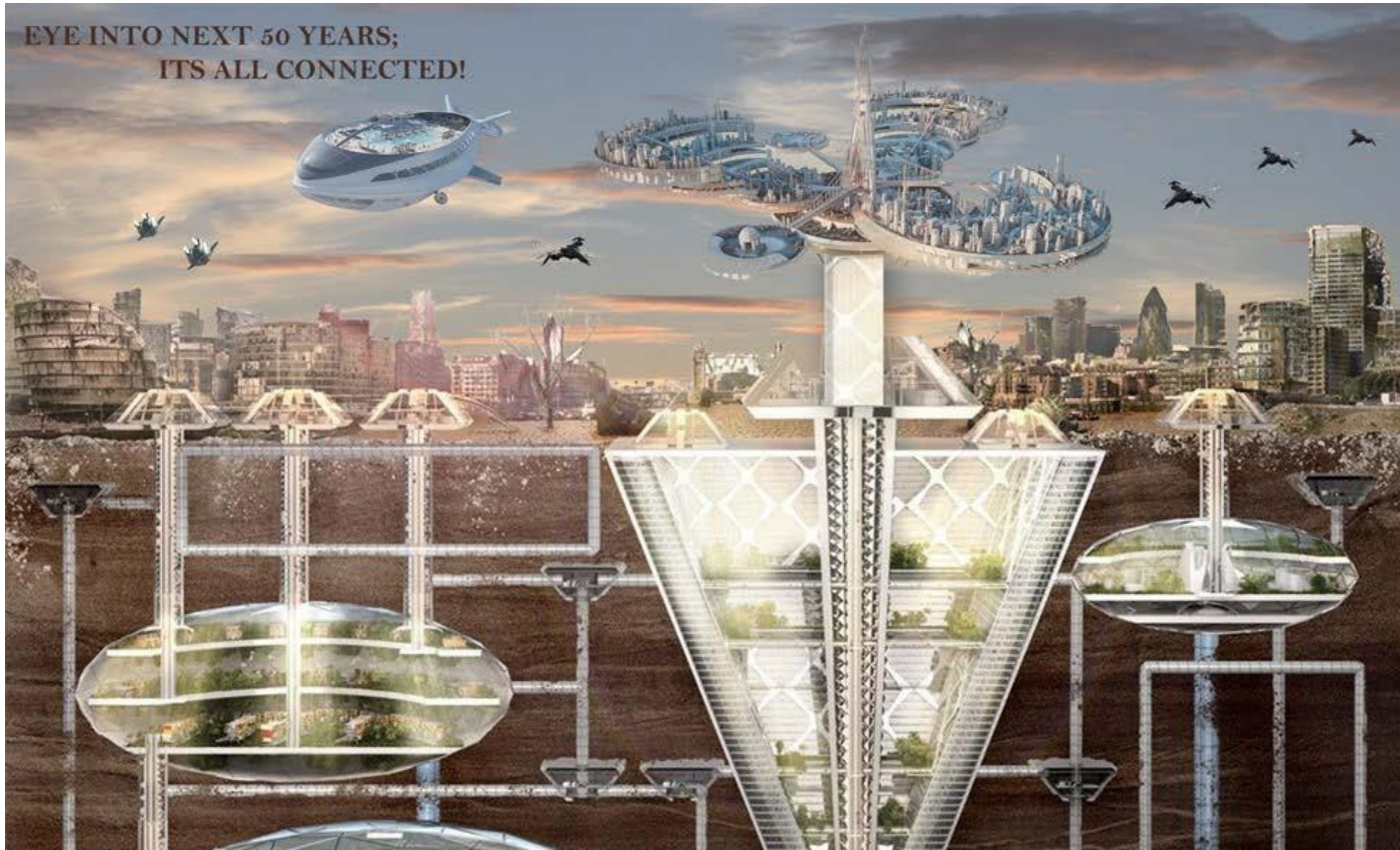
Now a days not all people can see the drowned and submerged buildings, ships like titanic or even debris that plankton feed on will be the historical tourist places.

EDUCATION

- Since the transition from land to water would be slow and up and coming the changes and the past, about the human living on land, and then the travel to underwater, the life itself would comprise the education. All the moments will become the education.

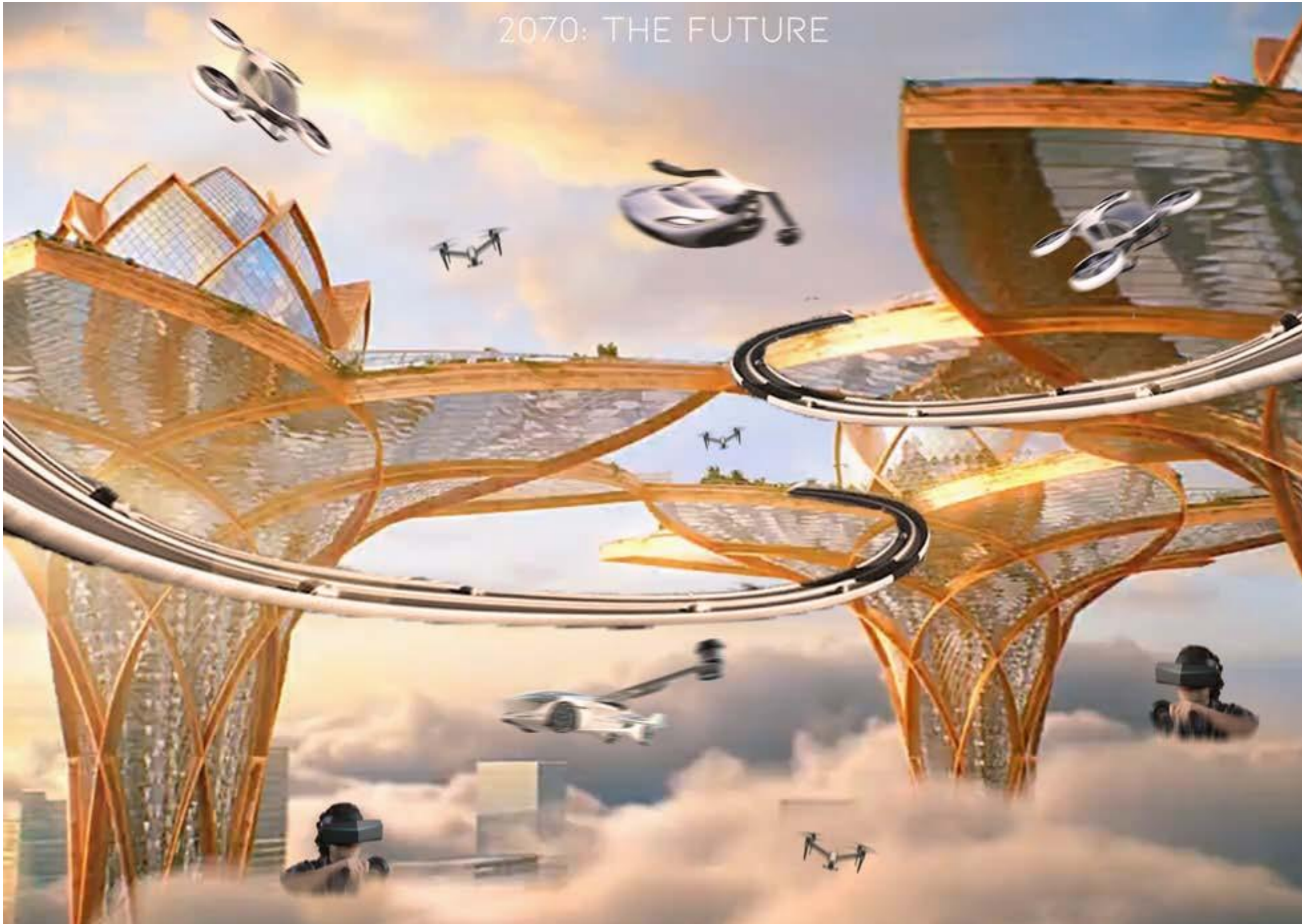
Spaces like schools, universities could happen in a pod like structures, absorbing any tidal waves or frequencies. Light based projections can be used for remote communications.

EYE INTO NEXT 50 YEARS;
ITS ALL CONNECTED!



CONNECTED FUTURE

2070: THE FUTURE



2070 THE FUTURE



UTOPIAN VISION OF DYSTOPIAN HOMELESS

The year is 2070 and as history has always proven, change has been the only constant. What hasn't changed however is humanity's quest for knowledge, growth and development. There was once a time when the concept of the air being a popular human habitat, second only to the surface ground, was alien to mankind. Well, speaking of aliens, they turned out to be true after all speculation. What's more? They are now great contributors to the tourism industry. Most of our tourism is on air, since our ancient monuments have mostly disintegrated and have reduced to debris. We haven't tried restoring them, since we're busy constructing skyscrapers. We've also managed to create a multilevel transit system and also introduced hyperloops. Other innovations are flying saucers, cloned animals, virtual reality, vertical farming, air pods as vehicles, and mobile bubble homes that float in air. These might not actually be novelties, since they were all in some form conceptualised by our ancestors. The ancestors happened to conceptualise humanoids too and they although did turn into reality, it isn't a pleasant one. They have invaded part of our surface ground, turning the ancestors' sci-fi movies into reality! Modern humans have plenty of innovations that the ancestors didn't. What we have completely lost though is privacy, breathable air, fertile lands and habitable ground. This explains why most rich humans have moved to real estate on air. Some of those who remain on ground, have built bubbles around their houses to avoid inhaling fatal, unbreathable air, which is all that there is on ground. All is not apocalyptic on ground though. A bit, albeit small has been made habitable by the wealthy. Since they made it habitable, they keep it to themselves. We, the remaining population on the other hand have been doomed to experience the ill effects of their 'ground-breaking' innovations. We were successful in discarding inequalities such as racism, evident by the fact that the affluent choose their own colour from the colour wheel. What humans were never successful in eliminating however, is the disparity between the rich and the poor. Though I am a small part of this huge world, I fear this disparity will only increase, leaving the likes of me to our plight of homelessness, lack of breathable air and any known concept of traditional food. Did I tell you we are surviving on capsules?



UNDERWATER AND FLOATING COLONIES

The year is 2070. The struggle due to the aftermath of global warming has almost come to an end. Humans seem to have perfectly adapted to their new ecosystem which primarily consists of just water and air. Yes, the Earth, which was once 70% covered by water, is now 100% covered by it.



UNDERWATER SURFACE GROUND



NOT FAR FROM FUTURE



DUAL LIFE

THANK YOU.

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