www.ijlrem.org || Volume 04 Issue 12 || December 2020 || PP 01-04

A Review of Smart City and Alternative Energy for Turkey

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Abstract: The topic of 'Smart Cities' includes a process that requires 'Smart Steps' where we can place our conceptualization of 'City' in place and then 'City and Civilization Perspective', which we can build robustly on and utilize the useful aspects of technology to the maximum extent. The integration and mutual relationship we have established in the context of city-transportation also has a regulatory effect on the relation of 'Smart City-Smart Transportation'. In this paper firstly importance of smart cities is given, then concept and extent of smart technologies are discussed. After these alternative energy issue is reviewed. Lastly conclusions are given.

Keywords: Alternative energy, energy efficiency, smart city, technology, transport

1. INTRODUCTION

If we are already fully seated in perspective, we will also see how we can maximize the use of technical possibilities in terms of 'integration, balanced distribution and service'. After the rapid construction of the divided roads in our country over the past decade, the government said, 'Now it is time to be smart about roads.' These explanations followed the EDS practices in Istanbul in a certain way and the rapid construction process in divided roads. Along with that; Although the 'Intelligence Process' presented by the government reminds us of the Roads, Highways and even 'Divided Roads' in the first place, this is a wholesale rationalization process and it reflects the latest technical equipment as 'human beings and our transportation' as a whole. And the solution of all transportation problems that we have put forth here in this direction many times, either our technical explanations, our intellectual conclusions, or all of our intellectual implications, are caught. Thereof; There are many titles, such as 'Smart Cities, Smart Grids, Smart Buildings, Smart Roads, Smart Public Transportation, Smart Urban Lighting'. As such; we must not abandon the concepts of 'reason and service' in the minds of 'visual, demonstration, luxury and prosperity' and we should be able to conceive them as 'human-focused' in their lean state. Promise; 'Intelligent Building' does not mean wearing a 'technology shirt', a structure that overturns the silhouette of the city, pierces the breast, is aesthetic and has a luxurious facade.

Intelligent Building' social-focused, environmentally friendly, sustainable and worrying 'service' concept with 'emergency, security, comfort, cost' etc. is a perception product that aims to provide the parameters. In addition, the 'Urban Transformation Process' is touching and intersecting in many places in many of the 'intellect' lanterns. Therefore, when we conceptualize 'city' based on 'service parameters, engineering services and a lifestyle' phenomena, it can be perceived as getting more intelligent on 'Smart Buildings'. Intelligent Buildings'; comfort is at its highest level, everything is equipped with the latest technology, people are not aiming to create an environment that completely isolates itself from nature, the environment and society. This approach; it is not 'Social Sustainable' in itself and therefore will not be Sustainable as 'Cultural, Economic'. 'Sustainability' will not be mentioned in the sense of 'planning-transportation', which is a foot of 'technical' phase. At the very least, our 'Sustainability' will perceive and conceptualize our perceptions[1].

2. CONCEPT AND EXTENT

'Smart Buildings' will mean the use of 'Technical Facilities on the Way of Service Anxiety' whether it is a building, a traditional neighborhood, a detached house or a garden house. This is the level of what we put forward that can only constitute a lobe of our conceptualization of general reasoning. For; all these 'Smart Cities' are directly involved in many aspects and areas such as 'alternative energy, renewable energy' in terms of title, content and nature. Such that: 'Smart Building'; Alternative energy should be able to put in place as a secondary resource, in the first place and in the 'energy shortage' somewhere. And even if the minimum production for alternative energy is itself capable of being produced by the building itself or by the island it is in, the 'Intelligent Building'; 'Environment, Saving, Cost, Service' which is programmed by himself. must be capable of knowing that 'electricity', 'natural gas energy' and when solar energy, 'wind energy' should be introduced (in the context of the constraints) defined by the parameters on the basis of the parameters, in the sense that the intelligent buildings' 'Smart City' governments such as a 'center of common wisdom' and a common 'district center' where this center is linked with other islands should be established and this governance will be used to

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ISSN: 2456-0766

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provide housing rights, families, housing management, island, This serious "Legal-Administrative Legislation" will and will bring with it the anticipation and design. Such a spreading, highly variable and broadly oscillating process; Of course, it also means to establish the control-management-service-security balance in a very serious and sedentary way. All of this is actually a long time, and we have carefully followed and contributed to 'Local Administration, Local Administration' etc. reforms and similar processes from the beginning to the foot[2].

'Smart Cities'; which stores in the database the main resources of the city such as water, natural gas, sun, wind, food, money, electricity, petroleum and minerals and saves them with annual, are the cities that will be able to accommodate it. Here; If technical possibilities can be considered as a 'master database, process steps, process infrastructure', we are going to load all input, output, quality and quantities (quality and quantitiy) and logic steps. And therefore; our Commericals, our Endustrians, our Software, our Energy Specialists, and even our Sociologists, our Philosophers, our Psychologists, as a result, 'our politics' and 'our people'. Here, literally; our perspectives-our logic-our engineering-our 'human-focused' approach is the basis, and the 'technical means' are all tools. And this will be a realistic synthesis, a realistic reading and a subset of a realistic 'word' and, on the other hand, a 'result'. We started to see the first applications of 'Intelligent Transportation' in our country with the studies of Istanbul Metropolitan Municipality's Electronic Control Systems recently. Later on, these applications started to be applied successfully in almost every part of Istanbul. Although these and similar applications can be perceived as 'financial' concerns and reflexes of the administrations holding 'Criminal' and hence 'authority-responsibility' in the first place, since the 'prohibited' in our country can not be perceived as the 'background' of 'moral' and 'benefit') It is also a fact that these measures that facilitate 'common life' can only be achieved through 'criminal measures' and 'strong control mechanisms'. For; which in turn has consequences parallel to the distorted outcomes of the 'money-status' social perception of the prevalence of the use of the same 'private vehicle'. In other words, 'consumption culture and habits' of the orientation, or rather 'governance' is related. However, the thin line there; 'Management' and 'governance'. How; Today, when the media has reached an exaggerated strength; the system can be seen as 'Democracy', but if it is possible to impose a 'right' on people's subconscious with the Media Channel, the 'consumption culture, social consciousness, urbanity perception'. Because here; Administrative staff, CSOs, Vakifs, Universities, and the public should set out the examples that are going to be resolved by 'instrumentalizing the media in the right direction'[3].

3. ALTERNATIVE ENERGY IMPROVEMENT

'Functionality of the media' can only make sense in this direction. In this context, the United States and other similar 'Advanced Technology-Economy' societies have lost the excitement of 'Democracy' and can begin to evolve into arguments for 'media and the like' forces. It; Although it does not mean that 'Democracy' is not here, it is under the domination of Media and Visual. But these societies - generically - are societies that can internalize the 'forbidden' perception through their 'moral' criteria. North and West politically 'Winning', Economically-Technologically, in the face of this 'advanced' society, in the rest of the world; general 'consumer culture' habits are focused on 'follow-up, imitation, visual and status'. Many of these societies are also the societies in which the 'Gross National Product' is not low and that 'Production' is not. These societies are generalized; in a centuries-old process, they have followed a course on 'closed societies-closed societies-group domination' followed by 'Opening to the World', and as of today there is a 'strong direction-weak direction' variable which is open to 'black and harm' It has. The third step is: it must be a 'Perspective Construction' that can gather all these processes and complexity and gain an opinion.

Because for our people and like peoples 'Prohibitions' can be perceived as elements of 'pressure, control and reminder'. In this, both the management and the ruled have many misconceptions and actual roles. What is essential is to look for an answer to the question of 'erroneous detection' and 'where and when did it first start with the wrong?' As an example of what should be 'using the possibilities of Media-Technical-Economy in the right direction' within a governance mentality. it is put. Here we can also present the concept of 'Media Governance' and the concept of 'Smart Media' which will be discussed on its own[4].

Today, we are experiencing a process in which 'transportation' or 'transportation' is assessed in such subjects as 'communication-information technologies'. Therefore, it is possible to gather all these expressions from an 'integratist' viewpoint. By combining concepts like 'Alternative Energy' and 'Renewable Energy' with 'Sustainability', it will be possible for us to make a 'smart' reading here. Because, in the most general sense, our country is a country rich in solar energy and wind energy compared to North and West countries. In this sense, these energies are in Istanbul; It may be poorer than our South Provinces and Aegean Provinces, but it does not have a simple method of geographical acceptance. Such that; winds have many variables during the year, such as wind direction, climate-vegetation cover, land structure, settlement, latitude-longitude and so on. Therefore, it will be possible to obtain a 'Wind Energy' at the highest level within the scope of the maximum wind energy studies to be obtained at different times of the year in different regions of a region with the installation process

ISSN: 2456-0766

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to be established in a logistics infrastructure strengthened in an 'Intelligent Design'. A similar approach may apply to 'Solar Energy' and other alternative energy sources. And even those sources; In geography where they acquire, it may also be possible to direct the transportation of the nearest localities from the source to the saving area. All of this is a direct concern of 'Transportation'. In this context; Refers to an 'integration' at the precise center of 'Intelligent Networking' of 'Transportation-Planning-Energy' axis. The Audit Mechanism is a powerful, highly functional, Sustainability centered and 'people-focused' approach that takes advantage of Logistics's facilities, providing a place for on-site intervention, far from administrative confusion, and it fully embraces the organs of an 'Intelligent Design' process[5].

Figure 1. Smart Cities and Alternative Energy[5]



The topic 'Smart Cities' has a background which is directly related to the service parameters and brings together Electronic-Software-Transportation-Industry-Mechanical Engineers. In this sense, academia-market integration refers to a wide range of contents which can be filled in terms of many sociological-philosophical-technical integrations such as theory-application integration and so on. In this sense; the districts have opportunities for a wide range of reading and restructuring opportunities in their neighborhoods and districts. Actually; Reveals the possibility of a real restructuring by combining the readiness of the West and the possibilities of the technical developments that the recent Far Asia pioneered, with our 'perspective' of our possibilities[6].

4. CONCLUSION

As we have already mentioned, the goal of entering the 'Top 10 Economies of the World' in 2023; It goes from resolving Planning and Transportation Issues to minimizing and using these arguments in the most active way. The maximum use of these arguments is; Integration, Energy Efficiency, and Alternative Energy are closely related[7]. There is a concept of 'Intelligent Transportation and Smart Cities' in the center of the whole context. Our country; It is a rich and virgin country in terms of Alternative Energy. As of today, we are not at the point where we can benefit from our resources to the maximum extent, but within the framework of the 2023 Vision, we must not enter into an acceleration process in terms of maximizing the use of these resources[8]. If we emphasize a multi-modal and intermodal integrated structure of transportation, we cannot think of the Energy' head independently. Such that; We must work on the foundations of the most appropriate region, the most appropriate region, and the most appropriate category of 'the most appropriate energy type' by presenting the logistic support to this area, with as much diversification of energy resources as possible, Thereof; there is no simple basic explanation for what we understand, because the reference is an alternative source of energy; different climatic conditions can be 'productive' according to economic optimization conditions, allowing different regions to maximize their yields over different months[9]. Alternative Energy and Renewable Energy's Passenger Transport from Freight Transport, Railways to Seaway, Highways to Inland and Inland Waterways, Urban Transportation from Intercity Transportation, Individual Transportation from Public Transportation, Traffic Control and Governance, Basic Service Parameters from 'Strategic Planning' to 'Sustainable Development', there is a wide range of activities and productivity[10]. The 'Energy' heading is primarily European and U.S.A. especially in the last quarter of a century, and it has a wide working area. The most fundamental reason for this is "Sustainable Development" concerns. Whatever the actor of the Earth today is,

ISSN: 2456-0766

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and whatever the point of view of the world, all those who have entered into the field of activity of 'Higher-grade Capitalism' He has become aware of the life of the head of 'Sustainable Development' and he has experienced socially-economical-technical backgrounds of his own[11].

Intelligent Cities and Intelligent Transportation'; It cannot be considered apart from 'Sustainable Development'. In this era, where the 'visual and demonstration society' is fully taken up in the world, if this issue is dealt with only by the perception of 'visual technological-economic magnitude' after not realizing 'realization', fair sharing of resources, maximization of service parameters as 'human focused', balanced power and control distribution, it implies building on a subversive philosophical infrastructure it will be; all these aspects will point to a field of weakness that is far greater than the inadequacies of 'technical infrastructure, economic infrastructure'.

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