

A Review of Energy and Transportation Relations for Efficiency

Prof Mehmet Fatih Altan¹, Mehmet Çağrı Kızıldaş², Dr. Yunus Emre Ayözen³

¹(Istanbul Aydın University, Turkey)

²(Istanbul Commerce University, Turkey)

³(DHMI (SAO), Turkey)

Abstract: Energy and transportation have very closer relations. If this relation is realized well, efficiency enhances. In this paper firstly Istanbul background of the issue is checked and has given expressions about approaches. Then transportation and energy relations are examined. After these, alternative energy concept and its gains are evaluated. Lastly conclusions are given.

Keywords: Concept, efficiency, energy, international policies, sustainability

1. INTRODUCTION

We all know what you are; The Istanbul Metropolitan Municipality is a local governance mechanism of Istanbul, which is a global center of its own with its large population (around 15 million), centralized city areas, multiple climates and variable topography from dozens of countries of the European Union and in this context the production capacity is as high as possible. Together, they represent a very large sum in the field of needs. Therefore; Alternative Energy "Renewable Energy" to ensure that these needs can be realized and met in the best way as long term as 'Sustainable' and 'Human Focused' in terms of social and environmental aspects to provide the best possible solutions and opportunities for the best service parameters[1].

For; As of today, these and other titles 'broad rent area' seem to be 'favorable' for most of the parties. all sides and above all, and after all, from our 'Sustainable' for our people, this can lead to sudden radical changes in favor of threats based on Opportunities-Threats. More explicitly, the financial 'economic crisis' can be socially 'social trauma' and environmentally, 'natural disasters'. Therefore; it is imperative to make the SWOT analysis in this geography faster than any other time, with the most precise criteria, namely to establish and constantly update the Opportunity-Threat balance. The 'Kazan-Kazan Formula', which has come to the agenda quite a while in the near political period, is actually a society and a country in this sense; In the context of the time for all of us in the medium and long term, locally the regions as in Turkey and neighborhoods, we have incorporated into the Political and places, we now begin formatting 'Strategy' explanatory for our agenda in earnest in parallel is a function. He will own it. Move from here; We need to formulate a 'win-win' formula in the context of 'we need to establish perspective'. The stakeholders of this formula are; Central Administration, Local Government Organs, Neighboring Geographies, Private Sector, Academy, Our Society and Our Wide Geography.

2. TRANSPORTATION AND ENERGY

In this sense; it is not possible to think about energy efficiency and alternative energy issues independently from 'Transportation' to 'Transport System' and 'Transportation Facilities'. There is a mutually influential and influential process between these two lines. For; natural gas and oil; They are transported by pipelines and there is a kind of transportation in these lines. And also; many energy types, especially oil, are transported in the widest sense with the help of Seaway and Inland Waterways, and this World and Regional Trade Volume holds a very important position. In this sense, in the near term; important work has started to take place in terms of water transport from our country to North Cyprus (TRNC), which in fact constitutes the 'first step' of international commerce and therefore politics. In this sense, significant new natural gas deposits have been found in many parts of the Eastern Mediterranean in the near term and in the Black Sea, each of which has the capacity to shape regional politics to a significant extent; here, 'politics' is not formatted 'in the region's countries and in the matter of the bourse energy sources', on the contrary, they are 'politically' formatted, we are concerned with our fermentation as a whole society. Buddha; and the 'perspective' we have expressed so many times. Cyprus 'new resources found at many points in s open, only Turkey, Greece, Cyprus and Northern Cyprus Turkish Republic' s not, Israel, Lebanon, Palestine, Syria and the region, such as Egypt has involved-appear. Figure 1. The wide range of natural gas deposits and transport routes on the wide Afro-Eurasian geography are presented in detail[2].

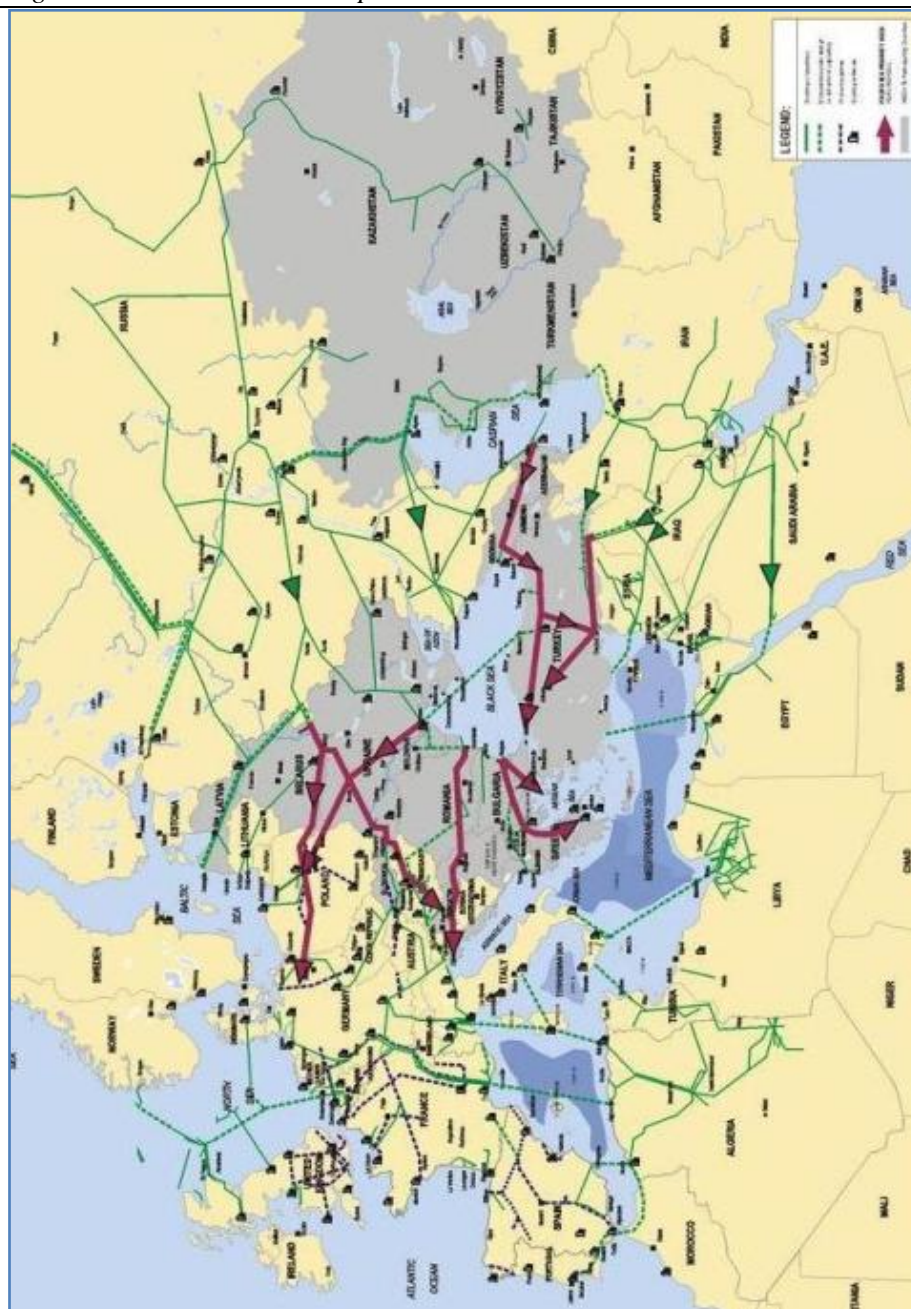


Fig.1. Current Natural Gas Bedding and Transport in Afro-Eurasia[3]

3. ALTERNATIVE ENERGY CONCEPT AND GAINS

As it is known, 'Alternative Energy and Renewable Energy' issues that we have revealed in connection with 'Intelligent Cities and Intelligent Transportation' It is closely related to the present situation of 'Geopolitics-Strategic' as well as to conceptualization of 'Civilization Perspective'. And this; social security, social security and national security. For; the current 'oil and natural gas' deposits, the agenda and strategy are divided and played in an impressive and influential position in many centers of the world, in the heart of many issues, from 'social changes in war, changes in social events, social engagements in economic sanctions'. Such that; countries are being demolished, occupied, the life of the states is shortened, the social chaos is pumped, the value judgments can be inflicted with aphasia, and the relative periodic and alternating 'some societies are ignored, some of which are moved to the center, with the concern of having these resources (economic, status centered and hegemonic perceptions) Geographies are struggling with early birth and late birth, and in some regions 'nation state is outdated and Federative Organizations are predicated' on the basis of strategic priority, while in

some geographies, 'nation state process' can be foreground. At the center of all these hegemonic actions are the 'oil-natural gas' sources and deeply 'expansionist philosophy'.

Therefore, the change of a source of a source will not translate into an absurdity of a systematized diffuse worldview. But; how, as it is expressed in a so-called word, 'there is no defense of the line, there is defense of the surface'; to be able to diversify the resources as much as possible, could be one of the first legs of 'spreading to the surface in power'. This is closely followed by technical developments; countries will be able to open new possibilities. The 'renewability' of existing resources (which are being bought as natural resources) has a temporary effect on the 'monopolization of energy' along the Earth's surface. 'Reproduction of Alternative Energy Sources' has indirect implications for being 'direct' with 'Alternative Speech Opportunity'. While this is the case; The partial transformation of 'hegemonic perception', the improvement (treatment), and the fact that they are in the process of formatting themselves. Alternative and renewable fields to the symptoms of the Global System, inflammations, side effects and 'highly variable' offer new possibilities to a wide geography. One of these philosophical backgrounds is 'Alternative Energy and Renewable Energy' technical title[4]. Buddha, the World System 's wholesale' intellect 'of parallelism is equipped with the' Global Peace 's genuine sense of sustainability 'is the front steps. All these things; oil and gas, which is rich in other natural resources, population density, which is the historical and geographical center for Latin America from Inner Asia 'or, Tataristan from the coast of Africa' s (Kenya, Somalia, Congo, Eritrea, Djibouti, etc.) and Indian Subcontinent to 'is closely related to the destiny of a very large area and thus to' World Peace '. When we look at the distribution of these sources geographically; We see that the Russian Federation and its affiliated Autonomous Regions, China's West and North West, North Africa, Sudan, the Middle East, the Near East, Inner Asia, Ukraine, Latin America and the United States are somewhere rich and altogether rich[5]. We are faced with the fact that Europe is poor in terms of underground resources and in this context it is in need of Central Asia, Caucasus, Middle East and Russia, that it does not want to be motivated by a strong Russia and also embargoes Iran. Therefore; The European Union may see fit my transport out of places Turkey in this context, some time to think about moving onto Ukraine this line being involved at the highest levels of the Ukrainian-Russian relations in which the Middle East is held under infests can see in this sense favorable, Central Asia' s Russia and China can draw ground from their design to their own design. In this sense; we will see clearer results when we look again at maps of oil pipelines (existing, under construction, planned) and transport lines (existing, under construction, planned). Therefore; we realize that all these investments have a door-to-door sense of 'hundreds of years' flow of destiny 'of our possibilities, alternative energy and renewable energy capabilities, regional relations, fair social structure, our governance of our people and our social tissue integration' we need to. A 'smart' approach in this context will only be possible with a 'strong perspective' to be placed [6].

4. CONCLUSION

The classical perception of the last 150 years us; The world is pushing the perception of the West and the East Axis and the West-Centered (whether opposites or sides) to the reflex. Whereas; such a clear categorical distinction has never been in the era of the Earth, nor is it 'sustainable'. Also here; We have to consider the North-South axis. In the world, however, in the course of the last century, in the light of 'technological developments', we have been moving rapidly in a rapidly flowing history (especially in our geography) in every period of history throughout the history, while we have been motivated as 'maximization of mobility'. Today too; these human movements are continuing rapidly at 'large parameter scale'[7]. However, it is not seen; The continuity of the 'social agenda' of structures that seem to pioneer technical and economic developments in the world is weakening. In this sense; when we look at the population movements in the world, we can see that the movements of migration from the South and East to the North and the West in global terms are accelerating and the people have lost their 'motherland, security and freedom' in addition to their economic and social worries, we are finally approaching the 21st century's most important burning facts [8]. In addition, in the 30-50 year population projections; the largest population growth rates were recorded in the African Sewer Region (Sudan Somalia Eritrea Congo Kenya Djibouti Uganda Zaire), Hind Subcontinent (India Pakistan Bangladesh Sri Lanka), Asia Pacific and India-China (Philippines Viet Nam Thailand, Myanmar), North Africa (Egyptian Algeria Libya), Central Asia (South Afghanistan Tajikistan), Latin America (Colombia Mexico Venezuela Peru) and the Near East (Syria Iraq Palestine Lebanon). This; When we combine with the North-South Axis and with the economic progress of the US, against our European Russia-Poland-Ukraine-Turkey-Egypt-Sudan line stands out. Therefore, all this is the context we give; "Intelligent Cities Intelligent Transportation" approach with human focus in the context of multiple reading also reveals the 'necessity and opportunities' in the geography we are talking about. 'Service-Audit-Security-Life Standards' perception; requires a holistic approach [9].

REFERENCES

- [1] Kızıldaş M. 2018. Küresel Örnekleriyle Toplu Ulaştırma, Transist 2018, İstanbul Ulaşım Kongresive Fuarı, İstanbul, 8-10 Kasım.
- [2] Kızıldaş M. 2015. Traffic Safety and Railway Applications, Transportation World Newspaper.
- [3] Ilıcalı M., Catbas N., Kızıldaş M.s, Ongel A. 2014. Multimodal Transportation Issues in İstanbul: A Case Study for Traffic Redistribution Due to Long Span Bridge Rehabilitation, Periodical of Advanced Materials Research, Vol. 831. P.413-417.
- [4] Camagni, R., 2009. Territorial Impact Assessment for European Regions: A Methodological Proposal and An Application to EU Transport Policy. Evaluation and Program Planning, 32(4), 342–350. doi:10.1016/j.evalprogplan.2009.06.014
- [5] Miyako A., Yamamoto Y., 1997. "Investigation of Running Resistance of High Speed Trains". World Congress of Railway Research WCRR, 97, 577-579.
- [6] Wong, W.G., Han, B.M., Ferreira, L., Zhu, X.N., Sun, Q.X., 2002. "Evaluation of Management Strategies for the Operation of High-speed Railways in China". Transportation Research Part A: Policy and Practice, 36(3), 277-289.
- [7] Kalkınma Planı Ulaştırma Özelİhtisas Komisyonu (ÖİK). "Karayolu Alt KomisyonuRaporu". [http://ekutup.dpt.gov.tr/program/2006\(08.07.2012\)](http://ekutup.dpt.gov.tr/program/2006(08.07.2012)).
- [8] Vasanen, A., 2012. Functionalpolycentricity: Examining Metropolitan Spatial Structure Through the Connectivity of Urban Sub-centres. Urban Studies, 49(16), 3627–3644. doi:10.1177/0042098012447000
- [9] Altan M., Kızıldaş M., Ayözen Y. 2020. Comparative Evaluation of the Development, Current Situation and Investment Plans of High Speed Railways on National, Regional and International Basis, İstanbul Aydın Üniversitesi, IJEMME Dergisi (yayınlaşmasında)