

Review Article

Discussions to New Industrial Development in Africa II

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Abstract: The new industrial arrangement includes the traditional, high technological and service industries. It can be concluded in that service one is the most competitive, promise and future. And then high technological has been central for the development of new industries. However the automobile is also important industry for transporting. In the meantime the infrastructure has the potential need. Computer industry it has been a high technological project to proceed in future. Particle and quantum computer is a promise project. It can promote the chip applied to other AI products like robot and driverless auto etc. As ocean engineering like sea water desalination & tidal power generator and nuclear power station they are made in order to obtain renewable and clean energy source. The three respects construct the new industrial degree in Africa, therefore we should make a whole plan to it and establish a series of content to consider and make a decision for future. Currently we must emphasize its plan and content in details then after reviews these content should be realized, which is our final destination. Besides, the huge ocean has potential power for us to use so that like tide power generator needs to review and prepare to make a reservoir so as to check whether to realize it. If it is satisfied with test we can fix this engineering to seashore for electricity and heat because it can be rotated same with two sides. Using this device may be available through potential energy of tide water.

Keywords: Discussion; New Industrial, Development; quantum computer; artificial intelligence; Africa; nuclear power station; ocean engineering.

1 INTRODUCTION

African new industry includes traditional, high technological and service industries that may affect the Africa one mostly. The central one is high technology in its new industry whose role may be bigger to the African industry so it is important and essential. The new situation may create the new industry like Africa'. Therefore the referring mechanism and construction may be created correspondingly like new energy automobile whose has big wide and vast in terms of specialist. The infrastructure may transport the goods to a warehouse in surround zone. It can wield the interactive positive between them in terms of the related specialist in news. It will promote the surround cities economy actively therefore it may promote the whole field economic development competitively [1-4].

Computer industry has been a high technological project to proceed in future. Particle and

quantum computer is a promise project which may increase the calculative speed by it. Since the CPU (central processing unit) in computer has been searched currently to increase it speed the quantum technological innovation may be proceeded in future. On the other hand the robot has been the first used country in China. Due to its big quantity in future it occupies bigger potential market in the world [5-9].

In this study we will discuss the new industrial system in Africa which divides three respectively. One is the traditional and the second is high technological & another is service industry. They will wield their advantage each other in new one. The destination may be the high technological and service one. The former is important which can support the later efficiently. The detail distinct is drawn in graph as seen in Figure 1 and they are discussed according to this drawn respectively.

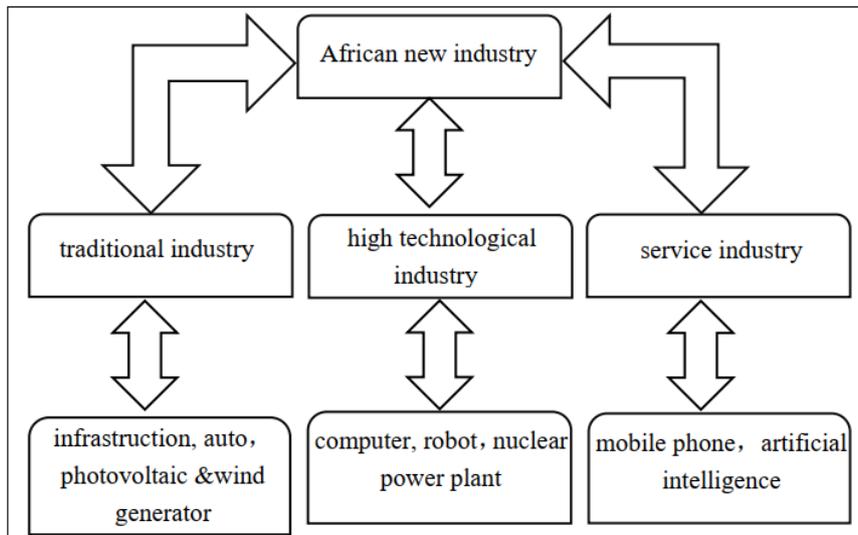


Figure 1: The arrangement of new industry in Africa

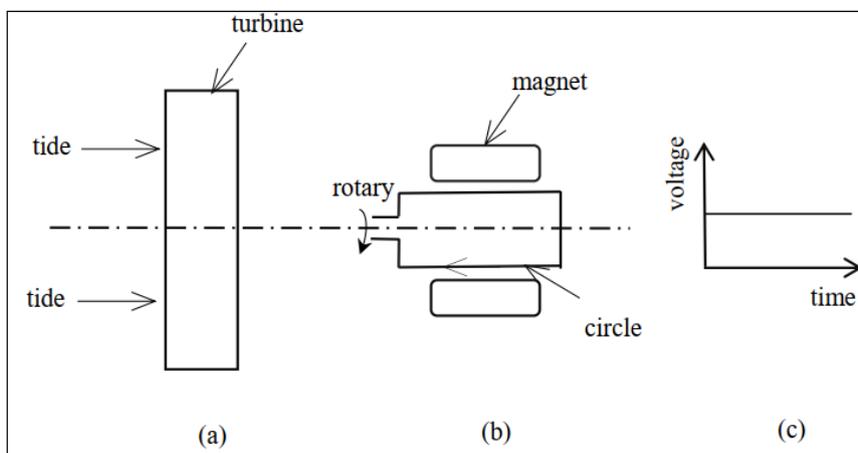


Figure 2: The sketch of tidal generator

2 DISCUSSIONS

Because we are living a certain communication in near cities the interactive behavior may be proceeded too. If there is sea we may utilize it to apply which is an advantage. The coastal city may wield its bigger business field to surround one to earn more money. So the automobile may play a role in this region to transfer its goods rapidly, short and conveniently. Short distance is an advantage referring this city because they can save time and consume less gasoline & mileage to do other thing. As seen in Figure 1 where shows the African new industrial distribution the detail arrangement has been concluded. Wherein the quantum computer has been a new one for future application. Its speed attains 70 thousand million(70G) in one second. It may be arrival 30 times of current speed. Its CPU attain several ten times of current computer which increases the function in calculating capability. It has increased the calculative speed to a new position so it may be a big promise project. It will contribute to the scientific and entrepreneurial data dealing capability. As seen in Figure 1 where the service industry has the artificial intelligence(AI) it shall become the prevail now and in

future. It may be seen in factory, store and community etc currently. It wields artificial intelligence to complete all kind of function specially in driverless car and plane. It can search for the destination and drive to aim with AI and it even attack the aim with missile. Its function becomes more and more distinguishing. New function with innovation may be exhibited in future. Therefore the auto and AI may be continued to innovate new product for us rapidly. In order to change our live the research team shall be established to all kinds of items. The new project may be created and exhibited in us. All the doing is to make us to be sophisticate and convenient. As you knew the nuclear power may change our live even life, so it is.

In terms of the latest data of news in the third season of 2021 the new installed sea wind electricity arrives 1.67 billion watt which increases 227% to compare with last period in China. Up to the bottom of September the accumulative total installed capacity has been 13.2 billion watt which increases 76% to compare with last period. The wind driven generator has potential application to humankind electricity even heat. Because of its natural and no contamination property it

may be used to wider field. Nature means that it comes from nature so that its cost is low. We can assemble it through device and technological promotion along mountain even sea coast which is our cost. Only assembling needs to be done except making wind positively to compare with coal-fired power generator. The later needs to be made with coal and firing besides exploiting coal and conveying it. So its cost has been high and it may be decreased gradually due to high cost and much carbon dioxide. Because it owns the carbon which may be formed through coal fired in power plant. Another is conveyance whose cost is high. The third is the exploiting coal factory who may be heavy works and high cost even if the low price of coal was existed in. Therefore the coal may be extincted more and more in future. Only we can do has been the transformation from coal time to new renewable source. According to the above three conditions the coal may be lasted for a certain time to complete the peak carbon in 2030. In 2050 the carbon neutrality may be attained with renewable source replacing coal.

The new energy includes in sea water desalination and tidal power generator is looked forward to defining our destination whose use may be longer and more properly. As seen in Figure 2 the tidal generator is sketched. The expression process has been tidal come, turbine and circle rotated, & the energy transformed and electricity formed to complete conveying in terms of Figure 2(a) to (c). the whole process is simple so that the corresponding cost becomes low. Therefore it is a better system for tidal power generator. Because in future the green and clean energy has been more prevail and dominant the any this source technological exploration may be planned and established. On the other side the feasible research is also needed to proceed together. So the task to us may become more and more because it includes sea energy research & development. Another one can be the nuclear power station which can become a important energy for our humankind. Its quantity may be increased currently upon combination with objectivity and intention. In general the sea and nuclear may push our new mechanism to develop and apply to all kinds of new industries in Africa. Currently the ocean has big field for us to utilize. Now we can use only less than 5% of it so the more renewable source is searched and utilize. More and more research is needed to investigate and complete use for mankind in the meantime the related technological device is planed and made by us in order to promote the sea utility efficiently.

The important electrical device has been nuclear power whose role to modern society is bigger since its finding and development. Nuclear power station can complete clean and atomic energy utility with regulating its reactive speed. When raising of control rod the big power may be formed. As the same principle when penetration of control rod the small power may be formed too. The reactive speed may

control the emission of heat and electricity in terms of the demand. Therefore it has been a prevail project to provide renewable energy. Even if its effect is to contaminate environment with the tsunami at Fukusima in Japan the other benefit is larger than its damage in a whole. So this project has been in appropriation to the emphasizing field trend in world. Therefore it dominates the world renewable energy market as a promise industry whose position is prior to other energy. We should develop this field to more developed and wider than the wind and voltaic enterprise because it uses the nuclear energy which is clean and renewable energy at all. It shall be established more place to meet our common demand to much clean electric energy. As a new technology it still wields its use for our electricity and heat. In the meantime it can be controlled by us through its speed of reaction so if it can be available to acquire upon our intention it is still a plan to be considered for longer time. The new energy includes nuclear power, wind and photovoltaic whose use and research is proceeding now. The ultimate one is nuclear whose utility has been prevail and dominant once because it occurred the contamination leak by several times, however its achievement has been approved and verified by us. The tsunami in Japan is completely nature disaster not by intention of us, therein we should clear its feature.

It is continued to develop currently and in future as a main source of energy for humankind in the coast. As we knew the nuclear energy has benefit from its stable power if it is controlled properly so it may become a excellent source using in future. Though it may happen in accident it goes on wielding its big efficiency by now. It is considered that more and more nuclear power station and ocean power source will be established to wield its strong power because of its green and clean product. It may last more time to apply to our diary life more and more with many quantity. In this study the quantum computer, AI and ocean engineering is discussed which may benefit for African industry. In special the African new industry and ocean engineering has been discussed by detail. It may be the useful suggestion to push African plan and development in the end. Although much difficulty has been in front of us we will look forwards to anticipate good solution in order to go on development of Africa. Is is must be solved through new mechanism and high technological level with our endeavour to anticipate better tomorrow and future in Africa. In short only if these three respects shall be wielded by us the rapidness development has been feasible in African industrial one. Promoting the service industrial establishment and level has been an important one since it has high technological level. If it is concentrated on to develop the made level the developed continent in Africa may be attained from now on.

3 CONCLUSIONS

As to high technological and service industries the former is important which can support the later efficiently. The detail distinct is concluded according to this study respectively. For example Computer industry it has been a high technological project to proceed in future. Particle and quantum computer is a promise project. It can promote the chip applied to other AI products like robot and driverless auto etc. As ocean engineering like sea water desalination & tidal power generator and nuclear power station they are made in order to obtain renewable and clean energy source. The new African industry includes three respects whose role is dominant year by year, therefore to completely use them is the main destination. We should pay more attention to them for the sake of most profit. We shall know how to plan and proceed it at all whose method and speed is significant. We must rapidly make detail plan and propose it to related mechanism to utilize it.

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