**TOPIC(131) ▶If you could invent something new, what product would you develop? Use specific details to explain why this invention is needed.**

There’ve been countless events which posed threats to the existence of the humanity throughout the history, and our ancestors have dealt with those problems by creating revolutionary inventions. Thanks to their efforts, the overall quality of lives of modern humanity has highly enhanced, but the greedy humans still need more inventions for the technological stride. If I could invent one thing helpful for the entire humanity, I would create the Dyson Sphere, due to its effort on the technological advance in several aspects.

First of all, Dyson Sphere will be one of the most Essential sources for the supplement of the energy in the future. A Dyson Sphere, mirrors surrounding a star for the supplement of massive amount of energy, usually exists in the civilization type 2 in the Kardashev’s Scale of the Civilization which consumes the amount of energy equivalent to 4 x 10^14 times of the energy consumption in the modern civilization. This productive sphere can create over 100 quintrillion times the energy generated from the most efficient nuclear reactor in the Earth. The energy from this gigantic sphere is so massive that even 1% of the energy from the complete Dyson Sphere can bring on innovative revolutions in technological improvement to the humanity, especially in the astronomical fields. Human’s Initial phases of the space entrance will become much easier with this invention.

Second of all, humans don’t need to destroy natural environments for the purpose of replenishment of the sufficient amount of energy anymore. Currently, electricity generated from the coal power plants account for more than 60% of the World’s energy consumption. In fact, coal power plants bring devastating events to the nature in variety of ways. For instance, emissions from them adversely affect the overall air quality, while constant usage of the coals led to the depletion of the coals in the Earth which plays roles in the destruction of the natural equilibrium. However, the presence of the Dyson Sphere will highly reduce the necessity of coal power plants.

Last but not least, there are a lot of new things for the humans to learn and study from the construction of the Dyson Sphere. It’s not an exaggeration to say that it will almost take forever to form the Dyson Sphere with just shooting the mirrors with rockets. Thus, finding a less expensive and more efficient methods of transferring materials will be a one of the most important tasks for humans. In addition, scientists must be aware of the peripheral conditions of the sun, such as the temperature, amount of debris, red flame interval, etc.

In conclusion, I would like to invent the Dyson Sphere due to its influence to the advancement of the human technology. In spite of the fact that it will actually take several centuries for the humanity to construct the Dyson Sphere, there is still a little possibility for the journey to the invention of the Dyson Sphere to be shortened by internal or external factors such as unexpected discoveries or emergence of the aliens from developed civilizations.