Title: Managing Energy Sources

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Introduction

For this assignment, I have selected organisation named Yundai Forging. Hyundai is a Korean based manufacturer, specializing in the supply of heavy equipment and auto parts. The product portfolio of the organization consists of groups of tracks for excavators and tractors, groups of trees as rollers, gaskets, collars and caps, crankshafts and connecting rods, gears, teeth and segments, as well as parts of the forge. The property has two manufacturing plants in South Korea, a manufacturing plant in Malaysia, and a manufacturing plant in India. The organization employs 2,250 people (Song, 2007).

The system

Green economy strategy should seek to improve access to energy services for low-income residents, 29 and conscience, and try to take advantage of the "energy, the fact that the benefits to some extent, already been delivered the Republic of Korea, the human being, as measured by the human Development Index, with a small increase in this model to increase energy use.30 advantage of green economy strategy South Korean residents should focus on low income to increase the availability of energy services, and strive to improve ' overall efficiency of energy consumption at the same time, so the internal energy consumption has remained stable in general also decrease. Thus, the benefits of a green economy can be shared by all (Jang, 2006).

Background information and rationale for selection

Green Growth Strategy of Korea, currently in development, including the Millennium awesome projects, but in his heart, focuses on economic growth and industrial competitiveness rather than the "green" economy and the Korean national company with an actual program. Therefore, the current policy of green is existing Korean industries are including industries such as nuclear energy and construction. Therefore, the Korean economy green energy security and warranty is limited to the economic growth of the city in the current political regime in South Korea, or resign or be reborn as a means actual social security system environment. To do this, more autonomy, and perhaps more resources should be provided to civil society, the best way to start everyday Korean greening the city level (Son, 2010).

Direct subsidies and higher initial investment costs financed by the government have been widely used to pay for renewable energy technologies. For example, the program of the local energy significantly using the equipment installed contribution of renewable energy sources. Under this scheme, the central government (Ministry) to provide grants to local governments for effective implementation of the use of renewable sources such as photovoltaic solar power, wind and other energy devices of this program consists of two sub - projects: the construction of infrastructure, such as the establishment of local energy planning, feasibility studies of renewable energy in the area of enormous potential to improve public awareness of energy efficiency, completely covering 100% of the cost of the project and pilot projects to invest in energy efficient equipment, use of great potential in the renewable energy field, but 80 % of the cost of the investment (Moreno, 2006).

- Forgery: This process is called the hand, Smith forged and hammered to be applied to all ferrous and non-ferrous metals. Part of this process is:
- Closed Forge: This process is completely molten matrix into the cavity, and is applicable to all forms of shaping of ferrous and nonferrous metals.
- Agenda: This process of remodelling and expansion of a rod, pipe, or a cross section of other products, and applies to all forgings of ferrous and nonferrous metals (Son, 2010).

Energy monitoring programme

Song (2007) discussed the monitoring data of energy consumption, in order to establish the basis for the management of energy and explain the differences in a set pattern. Its main objective is to keep the model provides, as well as all the necessary data on energy consumption, some of the drivers, a preliminary investigation (production, weather and other processes identified).

M & T is the basis for normal relationships to determine the factors related to the behaviour of energy consumption (throughputs production, weather, the availability of natural light, etc.), a leader in the company aims to help:

- Identify and explain the excessive use of energy
- Determine who consume fewer accidents are often those that have been so
- Draw consumption trends (weekly, seasonal, operating...)
- Determine future changes in planning the use of energy, the company
- Areas of specific waste energy diagnosis
- How to deal with changes to comply with the company in the past

- Development of performance of project management with low power consumption
- Manage their energy consumption, rather than accept a fixed cost of what you cannot control (Jeong, 2005).

Potential for benchmarking

The first step is to collect data from several counters. Low-cost energy feedback displays have become available. Changes in the scope of data to be processed by the relationship between the desired frequency, and it can be every 30 seconds, every 15 minutes. It can be taken directly from the counter, others must be calculated. These measures are often called streams or channels (Jang, 2006).

Key factors such as production or live stream and match the space must also be taken. In many M & T projects implemented since 1980 a number of services have proven to be recurring:

- Energy savings: origins of energy consumption are typically 5 %, according to the carbon trust. Carbon fund has conducted a study of more than 1,000 small businesses found that, on average; an organization can save 5%.
- Reduce emissions of greenhouse gases: low power to reduce emissions
- Financing: the measured energy helps reduce energy efficiency projects funded
- Increased cost of goods and services: the insufficient to allow sharing between the various processes of the energy bill in a sector dose and can be considered as a cost of production
- Increased budget: the next technology m & t can help predict the energy consumption of changing business circumstances, such as
- Avoid waste: to help diagnose any loss of energy in the process (Son, 2010).

Conclusion

In the context of the expansion of sustainable development in the local energy consumption, offers several advantages. The Power of Democracy for the opportunity (and responsibility) of local residents and civil society organizations involved in the production and consumption decisions. A face of a centralized power system, distributed systems, management should increase the use of renewable energy, improve energy efficiency and the transition to smooth the path of energy conservation of energy (Moreno, 2006).

To improve the efficiency and development of renewable energy to improve energy security, peak oil and energy to address the problem of resource depletion. Companies are more

responsible for the costs and benefits of energy production by local communities, and to enhance the power of justice. Revitalization of the local economy, capital flows in the production and consumption of energy are needed in a community, rather than going out to the community (and often the organization).

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