

Life-wide Learning Sharing (6D)

CHEUNG PO MAN



The water in the wok was heated by an induction stove and it boiled in a few seconds only. The heat supplied to the stove was the heat released by the air-conditioning. It increased the energy efficiency and was green.

FOK CHING



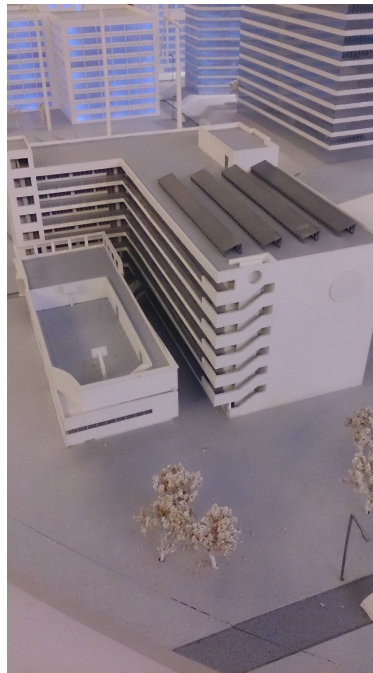
In this ideal green city model, renewable energy such as wind power and solar power is used to increase energy efficiency. Also, the energy is generated and allocated in a large scale in the city to minimize operation and location cost.

LAU WING YAN



In this city, centralized systems reduce the energy required. Also, the use of renewable energy reduces the amount of pollutants. The above fulfill the some of the principles of green chemistry.

LAW CHING HANG



The photo shows a model of green city in the exhibition. We can see a solar cell on the rooftop of the building. This is a kind of renewable energy source. I hope Hong Kong can also develop more renewable energy and reduce fossil fuel consumption so as to be a green city too.

LEUNG HOI YAN



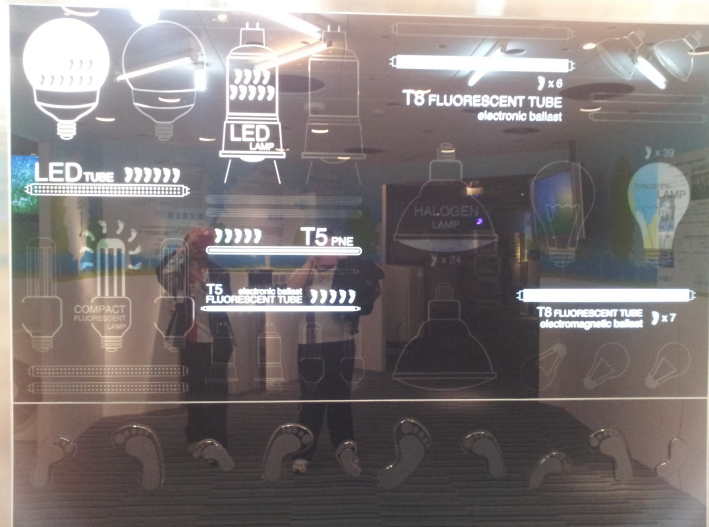
It includes both air-conditioner and geyser. The heat energy produced by the air-conditioner will then heat up the water in the water supply and produce hot water out. This fit in with the principles of “Green Chemistry that it is very energy efficient because it will recycle the use of energy before remove them away as a kind of waste.

LEUNG KA WING



In my view, the most memorable item in CLP is the magnetic cooking system. Without firepower, not only could we lower the room temperature and save energy, but improve the safety in the kitchen. It is interesting that the magnetic cooking system is cool after cooking. I think this is quite eco friendly, because heat energy is concentrated in cooking instead of heating the surroundings. In this way, energy efficiency can be greatly improved.

LO CHO MAN



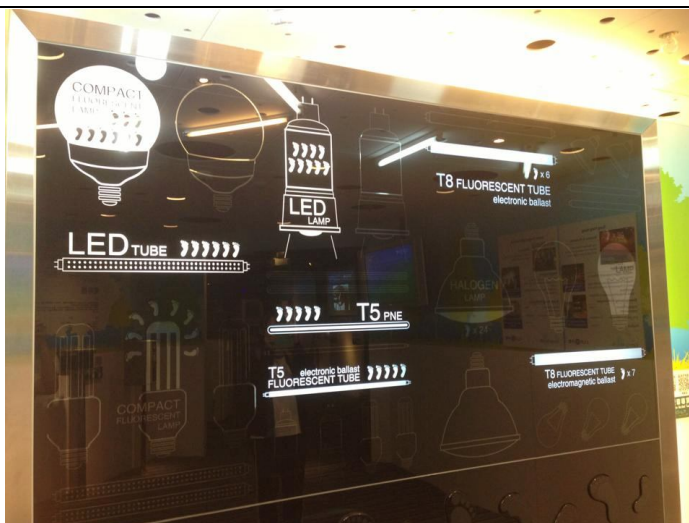
LED tube emitted less greenhouse gas CO₂ than the previous tube generations. Since it radiates unidirectional light instead of all directions from the tube, less non-renewable fossil fuel is used for the supply of electricity so as to make the tube bright.

NG WAI SHAN



At the top of the machine, it is an air-conditioner which will generate heat to the bottom of the machines, where it will boil the water. This can reduce the waste of energy, as the heat energy can be reused for other purpose, also the heat will not release to the air so the environment will not heat up easily.

WONG LAP YING



As lights are replaced by LED lamps which is of higher energy efficiency, less energy would be used to generate electricity which helps preserving fuel. Also, LED lamps produce less carbon-footprint when in use, which is cleaner to use. It shows the application of the principles of green chemistry.

XIAO XUEWEI



The photo shows a High Efficiency Heat Pump. It aim at recovering waste heat from air conditioning system to produce hot water up to 55°C .

It with energy efficiency up to 300% which is high and it recycles the energy. These two benefits fulfill the principles of Green Chemistry. Therefore, it is green.

YIU TSZ WUN



The image shows a Chinese steam cabinet with waste steam recovery system. Extra and unused steam will be passed along the pipes inside the system and for further usage like boiling water. In this way, energy used to form steam is not wasted and the cooking industry can cut cost on energy bills.