

Life-wide Learning Afternoon
Castle Peak Power Plant Visit
14th October

Group member:

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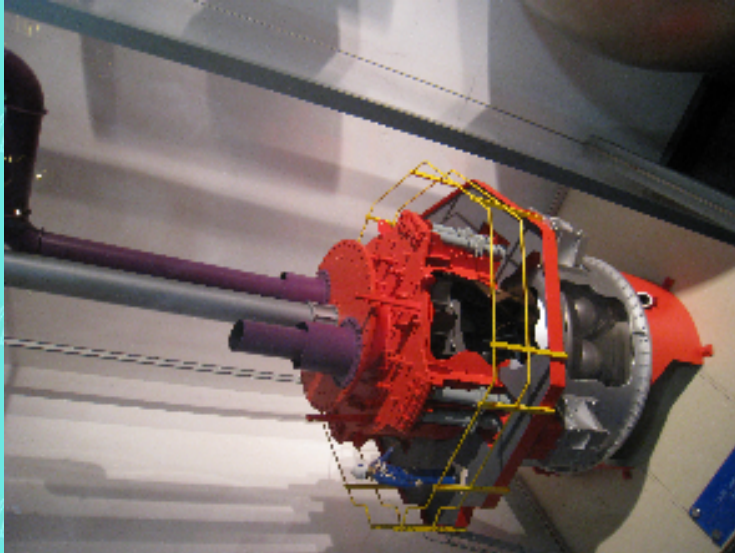


The energy source

- The Castle Peak Power Plant use coal as the fuel.
 - The coal was transport to the site by ships and will be stored outdoor.
 - The coal will be grinded before putting into the furnace.



The coal “mountain”



The grinding machine

The bulldozer stinted with coal

The power generator

- The coal will be used to boil the water in the pipe.
- The steam will then pass through the generator, which have many blade inside.
- The blade will turn when the steam pass through it, which will induce a current.
- Besides, the air provided to combust will be filtered first to increase the efficiency.



The generators



The smoke come out from the furance



The dirt filtered out from the incoming air

Environmental Protection

- The fume will not be released to the atmosphere directly, which they will pass through some filter first.
- The CLP is building up some more other kinds of filter, for example, the de-sulphur filter. Which use lime to absorb the sulphur dioxide.



Both photos show the building site of these filters, which needs lots of space.

