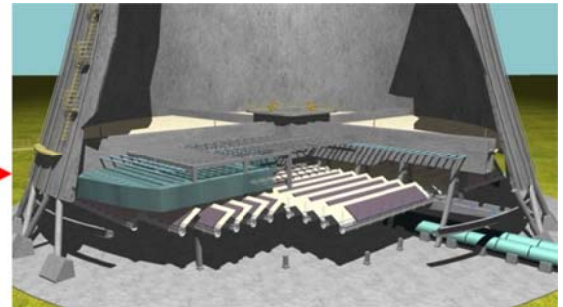
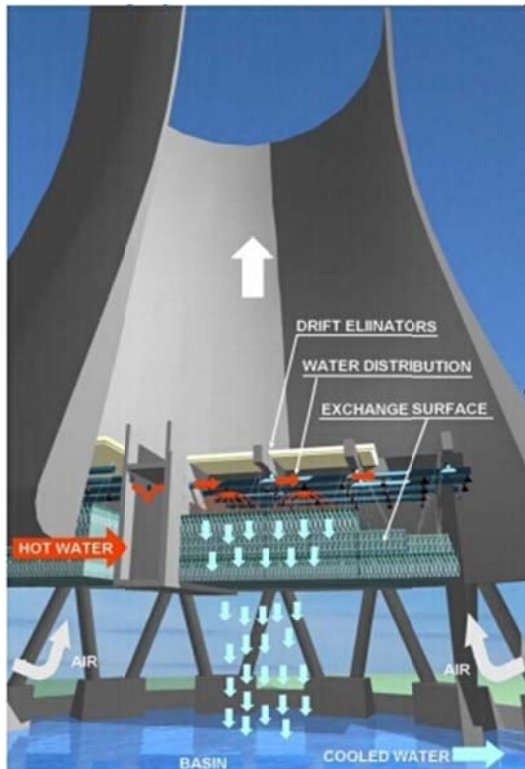
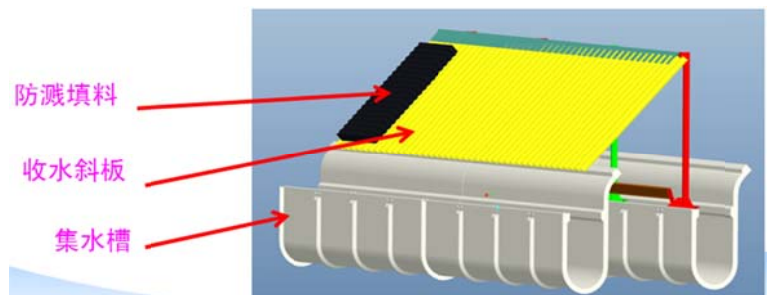


## High Level Water Collection cooling tower

High level water collection type is used for nature draft cooling tower who substitute bottom water basin and rain zone. The water is transferred to water channel by high level water collection device after falling down from fillings and out to pump room. Then, it will be sent back to main power house by pump for recirculation. Other components such as water distribution system, filling and drift eliminator areas usual.



High level water collection device contains drift cant board, collection channel and spray proof filling. It is erected between air inlet and filling.



### Advantage:

- Low noise:** The rain zone height is lower, and the spray proof filling can work as noise reduction padding
- Low energy:** By reducing the rain zone height, the pump head will be lowered as well as the power consumption of pump.
- Better thermal performance:** Lower rain zone height reduced the resistance and increases the uniformity of air flow, which makes better thermal exchange.
- Low investment and economical:** High level water collection is normally used for large size of nature draft cooling towers. The initial investment will include high equipment cost and civil, but there will be repayment in short time due to yearly high electricity conservation.